

1  
P6981 Reserved  
United States  
Department of  
Agriculture

Agricultural  
Research  
Service

CORE LIST

# Plant Inventory No. 190

OCLC ~~2564863~~

Plant Material Introduced  
January 1 to December 31, 1982  
(Nos. 464864 to 475833)

U.S. DEPT. OF AGRICULTURE  
NATIONAL AGRICULTURAL LIBRARY

FEB 3 1984





**United States  
Department of  
Agriculture**

Agricultural  
Research  
Service

# **Plant Inventory No. 190**

Plant Material Introduced  
January 1 to December 31, 1982  
(Nos. 464864 to 475833)



## CONTENTS

	Page
Inventory.....	3
Index.....	773
Scientific names.....	773
Common names.....	777

---

Plant Inventory No. 190 is a historical record of accessioned plant germplasm; it is not a listing of plant material for distribution. Questions about data organization and proper plant identification in this inventory should be directed to the authors.

Thanks are expressed to the following persons associated with the Plant Introduction Office for their contributions to Plant Inventory No. 190: L. G. Garner and R. A. Norris for continued excellence in handling all aspects of the computer system operation and S. Kenworthy for coordinating PI and associated records and correspondence. Assistance by J. Mowder, Communications and Data Services Division, with software and hardware problems is appreciated. Services performed by the University of Maryland were provided through a cooperative agreement.

George A. White, agriculturalist  
Beltsville Agricultural Research Center  
Beltsville, Maryland 20705  
and  
Sharon Drexler, faculty research assistant  
Department of Botany, University of Maryland  
College Park, Maryland 20742

Issued May 1983

464864. *Astragalus adsurgens* Pall. (Fabaceae).

From China, Peoples Repub of. Liaoning Agricultural Academy of Sciences, Shenyang, Liaoning Province. Received through 1981 U.S. Germplasm and Biocontrol Team. Received September 1981.

China, Peoples Repub of. Seed from many plants. Used as a green mature crop. Cultivated. Seed.

464865. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Heilongjiang Academy of Agricultural Science, Harbin, Heilongjiang Province. Received through 1981 U.S. Germplasm and Biocontrol Team. Received September 1981.

Tei Jia Shi-Li-Huan. China, Peoples Repub of. Local variety. Seeds medium-sized, yellow. Cultivated. Seed.

464866 TO 464871. *Glycine soja* Sieb. & Zucc. (Fabaceae) Wild soybean.

From China, Peoples Repub of. Heilongjiang Academy of Agricultural Science, Harbin, Heilongjiang Province. Received through 1981 U.S. Germplasm and Biocontrol Team. Received September 1981.

464866. L 79-0009. China, Peoples Repub of. Bei An County. Seeds small, black. Annual. Wild. Seed.

464867. L 79-0304. China, Peoples Repub of. Ai-Hui County. Seeds small, black. Annual. Wild. Seed.

464868. L 79-0402. China, Peoples Repub of. Suen Ke County. Seeds small, black. Annual. Wild. Seed.

464869. L 79-1809. China, Peoples Repub of. Sui Hue County. Seeds small, black. Annual. Wild. Seed.

464870. L 79-3313. China, Peoples Repub of. Shai Xian County. Seeds small, black. Annual. Wild. Seed.

464871. L 79-5801. China, Peoples Repub of. Yao He County. Seeds small, black. Annual. Wild. Seed.

464872. *Citrullus lanatus* (Thunb.) Matsum. & Nakai (Cucurbitaceae) Watermelon.

From China, Peoples Repub of. Horticulture Institute, Heilongjiang Academy of Agricultural Sciences, Harbin, Heilongjiang Province. Received through 1981 U.S.

464872-continued

Germlasm and Biocontrol Team.  
Received September 1981.

China, Peoples Repub of. Very sweet icebox type melon.  
Received as *C. vulgaris*. Cultivated. Seed.

464873. *Cucumis sativus* L. (Cucurbitaceae) Cucumber.

From China, Peoples Repub of. Horticulture Institute,  
Heilongjiang Academy of Agricultural Sciences, Harbin,  
Heilongjiang Province. Received through 1981 U.S.  
Germlasm and Biocontrol Team.  
Received September 1981.

China, Peoples Repub of. Fruit very long. Cultivated.  
Seed.

464874. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Hu Chu Commune, Jinan, Dong Ping  
County, Shandong Province. Received through 1981 U.S.  
Germlasm and Biocontrol Team.  
Received September 1981.

Wen Feng 8. China, Peoples Repub of. Seeds medium-sized,  
yellow. Cultivated. Seed.

464875 TO 464888. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Jilin Academy of Agricultural  
Sciences, Gongzhuling, Jilin Province. Received through  
1981 U.S. Germlasm and Biocontrol Team.  
Received September 1981.

464875. Aidadou. China, Peoples Repub of. Native variety. Seeds  
medium-sized, yellow. Cultivated. Seed.

464876. Bai Mei (Gong Di No. 278). China, Peoples Repub of.  
Native variety. Seeds medium-sized, yellow. Cultivated.  
Seed.

464877. Cha Mo Shi Dou (Gong Di No. 3). China, Peoples Repub of.  
Native variety. Seeds medium-sized, brown. Cultivated.  
Seed.

464878. Dahuang Dou (Gong Di No. 101). China, Peoples Repub of.  
Native variety. Seeds medium-sized, yellow. Cultivated.  
Seed.

464879. Dalihei (Gong Di No. 504). China, Peoples Repub of.

464875 TO 464888-continued

- Native variety. Seeds large, black. Cultivated. Seed.
464880. Dong Feng Duludou (Gong Di No. 806). China, Peoples Repub of. Native variety. Seeds medium-sized, yellow. Cultivated. Seed.
464881. Heihe Xiaohuang Dou. China, Peoples Repub of. Native variety. Seeds large, yellow. Cultivated. Seed.
464882. Heipiqing Yiang (Gong Di No. 552). China, Peoples Repub of. Native variety. Seeds medium-sized, black. Used for medicine, women's disease, liver problems. Cultivated. Seed.
464883. Jiu Nong No. 9. China, Peoples Repub of. Seeds large, yellow. Cultivated. Seed.
464884. Li Waiping (Gong di No. 493). China, Peoples Repub of. Native variety. Seeds large, green. Used by Japanese for human food. Cultivated. Seed.
464885. Silihuang (Gong di No. 183). China, Peoples Repub of. Native variety. Seeds medium-sized, yellow. Cultivated. Seed.
464886. Sui Nong No. 1. China, Peoples Repub of. Seeds medium-sized, yellow. Cultivated. Seed.
464887. Yiwofeng (Gong Di No. 57). China, Peoples Repub of. Native variety. Inflorescences semi-determinate. Seeds medium-sized, yellow. Cultivated. Seed.
464888. Zi Hua (Gong Di No. 1172). China, Peoples Repub of. Native variety. Seeds medium-sized, yellow. Cultivated. Seed.

464889 TO 464892. Glycine soja Sieb. & Zucc. (Fabaceae) Wild soybean.

From China, Peoples Repub of. Jilin Academy of Agricultural Sciences, Gongzhuling, Jilin Province. Received through 1981 U.S. Germplasm and Biocontrol Team. Received September 1981.

464889. Gong di 685. China, Peoples Repub of. Huai de County. Seeds small, black. Annual. Wild. Seed.
464890. Gong di No. 2019. China, Peoples Repub of. Jiu Tai County. Seeds small, black. Annual. Wild. Seed.
464891. Gong di No. 2022. China, Peoples Repub of. Jiu Tai County. Seeds small, black. Annual. Wild. Seed.

464889 TO 464892-continued

464892. Gong di No. 2024. China, Peoples Repub of. Seeds small, black. Annual. Wild. Seed.

464893 TO 464899. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Jilin District Agricultural Research Institute, Jilin, Jilin Province. Received through 1981 U.S. Germplasm and Biocontrol Team. Received September 1981.

464893. Jou Nong No. 1. China, Peoples Repub of. Seeds medium-sized, yellow. Cultivated. Seed.

464894. Jou Nong No. 2. China, Peoples Repub of. Seeds medium-sized, yellow. Cultivated. Seed.

464895. Jou Nong No. 4. China, Peoples Repub of. Seeds medium-sized, yellow. Cultivated. Seed.

464896. Jou Nong No. 5. China, Peoples Repub of. Seeds medium-sized, yellow. Cultivated. Seed.

464897. Jou Nong No. 6. China, Peoples Repub of. Seeds medium-sized, yellow. Cultivated. Seed.

464898. Jou Nong No. 7. China, Peoples Repub of. Seeds medium-sized, yellow. Cultivated. Seed.

464899. Jou Nong No. 9. China, Peoples Repub of. Seeds medium-sized, yellow. Cultivated. Seed.

464900 TO 464901. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Liaoning Agricultural Academy of Sciences, Shenyang, Liaoning Province. Received through 1981 U.S. Germplasm and Biocontrol Team. Received September 1981.

464900. Liao Nong No. 1. China, Peoples Repub of. Maturity 90-95 days. Leaves narrow. Inflorescences indeterminate. Flowers purple. Seeds medium-sized, yellow. Cultivated. Seed.

464901. Liao Nong No. 2. China, Peoples Repub of. Maturity 110-115 days. Leaves narrow. Inflorescences determinate. Flowers white. Seeds medium-sized, yellow. Cultivated. Seed.

**464902 TO 464906. *Glycine max* (L.) Merr. (Fabaceae) Soybean.**

From China, Peoples Repub of. Tieling District Agricultural Research Institute, Tieling, Liaoning Province. Received through 1981 U.S. Germplasm and Biocontrol Team. Received September 1981.

- 464902.** Tie Feng 3. China, Peoples Repub of. Plants 100-110cm tall. Maturity 125-130 days. Inflorescences indeterminate. Flowers white. Seeds medium-sized, yellow. Cultivated. Seed.
- 464903.** Tie Feng 8. China, Peoples Repub of. Plants 70-80cm tall. Maturity 140-145 days. Inflorescences determinate. Flowers purple. Seeds medium-sized, yellow. Cultivated. Seed.
- 464904.** Tie Feng 17. China, Peoples Repub of. Plants 70-80cm tall. Maturity 130-135 days. Inflorescences determinate. Flowers purple. Seeds medium-sized, yellow. Cultivated. Seed.
- 464905.** Tie Feng 18. China, Peoples Repub of. Plants 60-70cm tall. Maturity 135-140 days. Inflorescences determinate. Flowers purple. Seeds medium-sized, yellow. Cultivated. Seed.
- 464906.** Tie Feng 19. China, Peoples Repub of. Plants 90-100cm tall. Maturity 130-135 days. Inflorescences indeterminate. Flowers white. Seeds medium-sized, yellow. Cultivated. Seed.

**464907. *Triticum aestivum* L. (Poaceae) Common wheat.**

From China, Peoples Repub of. Hu Chu Commune, Jinan, Dong Ping County, Shandong Province. Received through 1981 U.S. Germplasm and Biocontrol Team. Received September 1981.

Tai Mountain 1. China, Peoples Repub of. Cultivated. Seed.

**464908. *Vigna radiata* (L.) Wilczek (Fabaceae) Mungbean.**

From China, Peoples Repub of. R.G. Palmer, USDA, Department of Botany & Plant Pathology, Iowa State University, Ames, Iowa, United States. Received through 1981 U.S. Germplasm and Biocontrol Team. Received September 1981.

China, Peoples Repub of. South Suburb Hotel, Shandong Province. Harvested one pod from one plant (pod fully

464908-continued

nature). Cultivated. Seed.

464909 TO 464924. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Department of Agronomy, Shenyang Agricultural College, Shenyang, Liaoning Province.

Received through R.G. Palmer, USDA, Dept. of Botany & Plant Pathology, Iowa State Univ.

Received December 1981.

- 464909. Bai Mo Shi Dou Gong 1644. China, Peoples Repub of. Gongzhuling, Jilin Province. Seeds white. Used for forage. Semi-wild. Received as *Glycine gracilis*. Seed.
- 464910. Beijing Hei Dou. China, Peoples Repub of. Heilongjiang Academy. Beijing. Plants possibly semi-wild. Cultivated. Seed.
- 464911. Cha Mo Shi Dou. China, Peoples Repub of. Liaoning Province. Seeds brown. Used for forage. Semi-wild. Received as *Glycine gracilis*. Seed.
- 464912. Dan Dou 1. China, Peoples Repub of. Dan Dong, near Korea, Liaoning Province. Improved cultivar. Cultivated. Seed.
- 464913. Dan Dou 2. China, Peoples Repub of. Dan Dong, near Korea, Liaoning Province. Improved cultivar. Cultivated. Seed.
- 464914. Dan Dou 3. China, Peoples Repub of. Dan Dong, near Korea, Liaoning Province. Improved cultivar. Cultivated. Seed.
- 464915. Hei Mo Shi Dou Gong 205. China, Peoples Repub of. Gongzhuling, Jilin Province. Seeds black. Used for forage. Semi-wild. Received as *Glycine gracilis*. Seed.
- 464916. Ji Ti 2. China, Peoples Repub of. Heilongjiang Province. Improved cultivar. Cultivated. Seed.
- 464917. Ji Ti 3. China, Peoples Repub of. Heilongjiang Province. Improved cultivar. Cultivated. Seed.
- 464918. Ji Ti 4. China, Peoples Repub of. Heilongjiang Province. Improved cultivar. Cultivated. Seed.
- 464919. Ji Ti 5. China, Peoples Repub of. Heilongjiang Province. Improved cultivar. Cultivated. Seed.
- 464920. Jin Dou 33. China, Peoples Repub of. Jin Zhou, Liaoning Province. Improved cultivar. Cultivated. Seed.

**464909 TO 464924-continued**

- 464921. Kai Yuan Bai Mei. China, Peoples Repub of. Kai Yuan County. Protein high. Native white brow (hilum). Cultivated. Seed.
- 464922. Tie Fen 9. China, Peoples Repub of. Teiling, Liaoning Province. Improved cultivar. Cultivated. Seed.
- 464923. Tie Fen 16. China, Peoples Repub of. Teiling, Liaoning Province. Improved cultivar. Cultivated. Seed.
- 464924. Tie Jia Qing. China, Peoples Repub of. Liaoning Province. Pods black. Seeds green. Cultivated. Seed.

**464925 TO 464929. Glycine soja Sieb. & Zucc. (Fabaceae) Wild soybean.**

From China, Peoples Repub of. Department of Agronomy, Shenyang Agricultural College, Shenyang, Liaoning Province. Received through R.G. Palmer, USDA, Dept. of Botany & Plant Pathology, Iowa State Univ. Received December 1981.

- 464925. LS-001. China, Peoples Repub of. Chung Tu County, Liaoning Province. Annual. Wild. Seed.
- 464926. LS-004. China, Peoples Repub of. Kai Yuan County, Liaoning Province. Annual. Wild. Seed.
- 464927. LS-005. China, Peoples Repub of. Tie Lin County, Liaoning Province. Annual. Wild. Seed.
- 464928. LS-008. China, Peoples Repub of. Sin Bin County, Liaoning Province. Annual. Wild. Seed.
- 464929. LS-009. China, Peoples Repub of. Hai Chen County, Liaoning Province. Annual. Wild. Seed.

**464930 TO 464933. Glycine max (L.) Merr. (Fabaceae) Soybean.**

From China, Peoples Repub of. Department of Agronomy, Nanjing Agricultural College, Nanjing, Jiangsu Province. Received through R.G. Palmer, USDA, Dept. of Botany & Plant Pathology, Iowa State Univ. Received December 1981.

- 464930. 58-161. China, Peoples Repub of. Improved cultivar. Cultivated. Seed.
- 464931. 133-3. China, Peoples Repub of. Improved cultivar. Cultivated. Seed.



464930 TO 464933-continued

464932. 493-1. China, Peoples Repub of. Improved cultivar.  
Cultivated. Seed.

464933. Su Xie No. 1. China, Peoples Repub of. Improved cultivar.  
Cultivated. Seed.

464934 TO 464939. *Glycine soja* Sieb. & Zucc. (Fabaceae) Wild soybean.

From China, Peoples Repub of. Department of Agronomy, Nanjing  
Agricultural College, Nanjing, Jiangsu Province. Received  
through R.G. Palmer, USDA, Dept. of Botany & Plant  
Pathology, Iowa State Univ.  
Received December 1981.

464934. 81-200001. China, Peoples Repub of. Annual. Wild. Seed.

464935. 81-200002. China, Peoples Repub of. Annual. Wild. Seed.

464936. 81-200004. China, Peoples Repub of. Annual. Wild. Seed.

464937. 81-200014. China, Peoples Repub of. Annual. Wild. Seed.

464938. 81-200016. China, Peoples Repub of. Annual. Wild. Seed.

464939. 81-200027. China, Peoples Repub of. Annual. Wild. Seed.

464940 TO 464941. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Soybean Institute, Jilin Academy of  
Agricultural Sciences, Gongzhuling, Jilin Province.  
Received through R.G. Palmer, USDA, Dept. of Botany &  
Plant Pathology, Iowa State Univ.  
Received December 1981.

464940. Wen Feng No. 1538. China, Peoples Repub of. Improved  
cultivar. Cultivated. Seed.

464941. Wen Feng No. 1893. China, Peoples Repub of. Improved  
cultivar. Cultivated. Seed.

464942 TO 465964. *Sorghum bicolor* (L.) Moench (Poaceae) Sorghum.

From Yemen Arab Republic. R. L. Voigt and M. A. El Lakany, Univ.  
of Arizona USAID Sorghum/Millet Program & Field Crop Div.,  
UN Development Program, FAO, Tucson, Arizona and Taiz.  
Received August 1981.

464942. 1. Yemen Arab Republic. Bir Basa. 1300M. Race kafir.  
Head type 5 - semi-compact, ovate. Seeds red. Cultivated.

464942 TO 465964-continued  
Seed.

464943. 2. Yemen Arab Republic. Mattar Kadim. 1350M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
464944. 3. Yemen Arab Republic. Bir Basa. 1300M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
464945. 4. Yemen Arab Republic. Mattar Kadim. 1350M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
464946. 5. Yemen Arab Republic. Haidran. 1150M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
464947. 6. Yemen Arab Republic. Haidran. 1150M. Race caudatum. Head type - 3 open elongated, elliptical. Seeds orange. Cultivated. Seed.
464948. 7. Yemen Arab Republic. Haidran. 1150M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
464949. 8. Yemen Arab Republic. Haidran. 1150M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
464950. 9. Yemen Arab Republic. Bir Basa. 1300M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
464951. 10. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
464952. 11. Yemen Arab Republic. Turba. 2000M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
464953. 12. Yemen Arab Republic. Al Nagd. 1600M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
464954. 13. Yemen Arab Republic. Al Nagd. 1600M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
464955. 14. Yemen Arab Republic. Haidran. 1150M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.

464942 TO 465964-continued

464956. 15. Yemen Arab Republic. Haidran. 1150M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
464957. 16. Yemen Arab Republic. Bir Basa. 1300M. Race durra caudatum. Seeds white and orange. Cultivated. Seed.
464958. 17. Yemen Arab Republic. Bir Basa. 1300M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
464959. 18. Yemen Arab Republic. Bir Basa. 1300M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
464960. 19. Yemen Arab Republic. Al Mattar. 1350M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
464961. 20. Yemen Arab Republic. Bir Basa. 1300M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
464962. 21. Yemen Arab Republic. Al Mattar. 1350M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
464963. 22. Yemen Arab Republic. Aagaga. 1300M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
464964. 23. Yemen Arab Republic. Aagaga. 1300M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
464965. 24. Yemen Arab Republic. Haidran. 1150M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
464966. 25. Yemen Arab Republic. Haidran. 1150M. Race caudatum. Head type 8 - subumbellate. Seeds yellow and red. Cultivated. Seed.
464967. 26. Yemen Arab Republic. Haidran. 1150M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds orange and red. Cultivated. Seed.
464968. 27. Yemen Arab Republic. Haidran. 1150M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
464969. 28. Yemen Arab Republic. Al Ru Beiee. 1150M. Race

464942 TO 465964-continued

- caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
464970. 29. Yemen Arab Republic. Al Ru Beiee. 1150M. Race caudatum. Head type - 4 semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
464971. 30. Yemen Arab Republic. Al Ru Beiee. 1150M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
464972. 31. Yemen Arab Republic. Al Ru Beiee. 1150M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
464973. 32. Yemen Arab Republic. Al Ru Beiee. 1150M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
464974. 33. Yemen Arab Republic. Al Ru Beiee. 1150M. Race caudatum durra. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds white and orange. Cultivated. Seed.
464975. 34. Yemen Arab Republic. Haidran. 1150M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
464976. 35. Yemen Arab Republic. Haidran. 1150M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
464977. 36. Yemen Arab Republic. Al Ru Beiee. 1150M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and red. Cultivated. Seed.
464978. 37. Yemen Arab Republic. Al Ru Beiee. 1150M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
464979. 38. Yemen Arab Republic. Al Ru Beiee. 1150M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
464980. 39. Yemen Arab Republic. Al Ru Beiee. 1150M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
464981. 40. Yemen Arab Republic. Aagaga. 1300M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
464982. 41. Yemen Arab Republic. Haidran. 1150M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red.

464942 TO 465964-continued

Cultivated. Seed.

464983. 42. Yemen Arab Republic. Al Ru Beiee. 1150M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
464984. 43. Yemen Arab Republic. Al Ru Beiee. 1150M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
464985. 44. Yemen Arab Republic. Al Remada'a. 1100M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
464986. 45. Yemen Arab Republic. Al Remada'a. 1100M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
464987. 46. Yemen Arab Republic. Al Remada'a. 1100M. Race durra caudatum. Head type 2 - very open, loose, similar to S. sudanense. Seeds tan. Cultivated. Seed.
464988. 48. Yemen Arab Republic. Al Huseisi. 1050M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and red. Cultivated. Seed.
464989. 49. Yemen Arab Republic. Al Huseisi. 1050M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
464990. 50. Yemen Arab Republic. Wadi Gaher. 1050M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
464991. 51. Yemen Arab Republic. Wadi Gaher. 1050M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
464992. 52. Yemen Arab Republic. Wadi Gaher. 1050M. Race caudatum durra. Type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
464993. 53. Yemen Arab Republic. Hagda. 1000M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
464994. 54. Yemen Arab Republic. Al Rubaiyi. 1150M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
464995. 55. Yemen Arab Republic. Al Aduf. 1150M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.

464942 TO 465964-continued

464996. 56. Yemen Arab Republic. Al Aduf. 1150M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
464997. 57. Yemen Arab Republic. Al Heibee. 1100M. Race durra bicolor. Head type 6 - semi-compact, elliptical. Seeds brown and red. Cultivated. Seed.
464998. 58. Yemen Arab Republic. Al Heibee. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
464999. 59. Yemen Arab Republic. Al Ragamah. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
465000. 60. Yemen Arab Republic. Al Ru Beigi. 1150M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465001. 61. Yemen Arab Republic. Al Ru Beigi. 1150M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
465002. 62. Yemen Arab Republic. Al Ru Beigi. 1150M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465003. 63. Yemen Arab Republic. Al Gahaf. 1100M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465004. 64. Yemen Arab Republic. Al Gahaf. 1100M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465005. 65. Yemen Arab Republic. Al Hudania. 1100M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
465006. 66. Yemen Arab Republic. Al Hasania. 1100M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465007. 67. Yemen Arab Republic. Hagda. 1000M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow and red. Cultivated. Seed.
465008. 68. Yemen Arab Republic. Hagda. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.

464942 TO 465964-continued

465009. 70. Yemen Arab Republic. Amruhi. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465010. 71. Yemen Arab Republic. Amruhi. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465011. 72. Yemen Arab Republic. Gadin. 900M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
465012. 73. Yemen Arab Republic. Gadin. 900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465013. 74. Yemen Arab Republic. Gadin. 900M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465014. 75. Yemen Arab Republic. Gadin. 900M. Race bicolor caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465015. 77. Yemen Arab Republic. Hagda. 1000M. Race caudatum kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465016. 78. Yemen Arab Republic. Hagda. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
465017. 79. Yemen Arab Republic. Hagda. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
465018. 80. Yemen Arab Republic. Hagim. 900M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465019. 81. Yemen Arab Republic. Gadin. 900M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465020. 82. Yemen Arab Republic. Gadin. 900M. Race bicolor caudatum. Head type 5 - semi-compact, ovate. Seeds dark red. Cultivated. Seed.
465021. 83. Yemen Arab Republic. Benisalla. 900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.

464942 TO 465964-continued

465022. 84. Yemen Arab Republic. Benisalla. 900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465023. 85. Yemen Arab Republic. Benisalla. 900M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465024. 86. Yemen Arab Republic. Benisalla. 900M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465025. 87. Yemen Arab Republic. Wadi Alla. 900M. Race durra bicolor. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465026. 88. Yemen Arab Republic. Wadi Alla. 900M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465027. 89. Yemen Arab Republic. Wadi Alla. 900M. Race caudatum bicolor. Head type 6 - semi-compact, elliptical. Seeds red and brown. Cultivated. Seed.
465028. 90. Yemen Arab Republic. Wadi Alla. 900M. Race kafir bicolor. Head type 3 - open, elongated, elliptical. Seeds dark red. Cultivated. Seed.
465029. 91. Yemen Arab Republic. Al Hadban. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465030. 92. Yemen Arab Republic. Adash. 900M. Race caudatum durra. Head type 3 - open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
465031. 93. Yemen Arab Republic. Wadi Malham. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465032. 95. Yemen Arab Republic. Ashmala. 800M. Race bicolor caudatum. Head type 6 - semi-compact, elliptical. Seeds red and brown. Cultivated. Seed.
465033. 96. Yemen Arab Republic. Ashmala. 800M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
465034. 97. Yemen Arab Republic. Ashmala. 800M. Race bicolor caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and yellow. Cultivated. Seed.



464942 TO 465964-continued

465035. 98. Yemen Arab Republic. Ashmala. 800M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465036. 99. Yemen Arab Republic. Ashmala. 800M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465037. 100. Yemen Arab Republic. Al Haaida. 800M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465038. 101. Yemen Arab Republic. Al Haaida. 800M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465039. 102. Yemen Arab Republic. Al Barh. 600M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465040. 103. Yemen Arab Republic. Al Barh. 600M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465041. 104. Yemen Arab Republic. Al Botila. 700M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465042. 106. Yemen Arab Republic. Al Magahi. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
465043. 107. Yemen Arab Republic. Al Magahi. 900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and pink. Cultivated. Seed.
465044. 108. Yemen Arab Republic. Al Khajaga. 900M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465045. 109. Yemen Arab Republic. Al Khajaga. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465046. 110. Yemen Arab Republic. Al Khajaga. 900M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465047. 111. Yemen Arab Republic. Wadi Malham. 900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.

464942 TO 465964-continued

465048. 112. Yemen Arab Republic. Wadi Malham. 900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and red. Cultivated. Seed.
465049. 113. Yemen Arab Republic. Wadi Malham. 900M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465050. 114. Yemen Arab Republic. Ashmalah. 800M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465051. 115. Yemen Arab Republic. Ashmalah. 800M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465052. 116. Yemen Arab Republic. Ashmalah. 800M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465053. 118. Yemen Arab Republic. Ashmalah. 800M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465054. 119. Yemen Arab Republic. Ashmalah. 800M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465055. 120. Yemen Arab Republic. Al Hoedah. 800M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
465056. 121. Yemen Arab Republic. Al Hoedah. 800M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465057. 122. Yemen Arab Republic. Al Hoedah. 800M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds dark red. Cultivated. Seed.
465058. 123. Yemen Arab Republic. Al Hoedah. 800M. Race caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown and red. Cultivated. Seed.
465059. 124. Yemen Arab Republic. Al Hoedah. 800M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
465060. 125. Yemen Arab Republic. Al Hoedah. 800M. Race durra caudatum. Head type 7 - very compact, ovate, flattened

464942 TO 465964-continued

base, with usually a recurved peduncle. Seeds red.  
Cultivated. Seed.

465061. 126. Yemen Arab Republic. Khojeija. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465062. 127. Yemen Arab Republic. Al Magahi. 900M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465063. 128. Yemen Arab Republic. Al Magahi. 900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
465064. 129. Yemen Arab Republic. Khujaiah. 900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465065. 130. Yemen Arab Republic. Ashmalah. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465066. 131. Yemen Arab Republic. Ashmalah. 1000M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465067. 132. Yemen Arab Republic. Ashmalah. 1000M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465068. 133. Yemen Arab Republic. Ashmalah. 1000M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
465069. 134. Yemen Arab Republic. Ashmalah. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465070. 135. Yemen Arab Republic. Ashmalah. 1000M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465071. 136. Yemen Arab Republic. Ashmalah. 1000M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465072. 137. Yemen Arab Republic. Ashmalah. 1000M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465073. 138. Yemen Arab Republic. Ashmalah. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds

464942 TO 465964-continued

- light red. Cultivated. Seed.
465074. 139. Yemen Arab Republic. Ashmalah. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465075. 140. Yemen Arab Republic. Ashmalah. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465076. 141. Yemen Arab Republic. Ashmalah. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465077. 142. Yemen Arab Republic. Al Barah. 600M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465078. 143. Yemen Arab Republic. Al Barah. 600M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465079. 144. Yemen Arab Republic. Al Barah. 600M. Race durra. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465080. 145. Yemen Arab Republic. Al Woraiesh. 600M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465081. 147. Yemen Arab Republic. Al Woraiesh. 600M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465082. 148. Yemen Arab Republic. Al Thhamara. 600M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465083. 149. Yemen Arab Republic. Al Thhamara. 600M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
465084. 150. Yemen Arab Republic. Al Thhamara. 600M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
465085. 151. Yemen Arab Republic. Al Thhamara. 600M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465086. 152. Yemen Arab Republic. Al Thhamara. 600M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.

464942 TO 465964-continued

465087. 153. Yemen Arab Republic. Al Thhamara. 600M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465088. 154. Yemen Arab Republic. Al Thhamara. 600M. Race durra. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465089. 155. Yemen Arab Republic. Al Harf. 600M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465090. 156. Yemen Arab Republic. Al Boetla. 700M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465091. 157. Yemen Arab Republic. Al Boetla. 700M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465092. 158. Yemen Arab Republic. Al Kutain. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
465093. 159. Yemen Arab Republic. Al Kutain. 900M. Race durra bicolor. Head type 6 - semi-compact, elliptical. Seeds red and brown. Cultivated. Seed.
465094. 160. Yemen Arab Republic. Al Kutain. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465095. 161. Yemen Arab Republic. Wadi Al Marwahi. 800M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465096. 162. Yemen Arab Republic. Al Boetla. 700M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465097. 163. Yemen Arab Republic. Al Boetla. 700M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465098. 164. Yemen Arab Republic. Al Barah. 600M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and pink. Cultivated. Seed.
465099. 165. Yemen Arab Republic. Al Barah. 600M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.

464942 TO 465964-continued

465100. 166. Yemen Arab Republic. Al Woraiesh. 600M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465101. 167. Yemen Arab Republic. Al Woraiesh. 600M. Race durra caudatum. Head type 4 - semi-elongated, elliptical. Seeds light red. Cultivated. Seed.
465102. 168. Yemen Arab Republic. Al Woraiesh. 600M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
465103. 169. Yemen Arab Republic. Al Harf. 600M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465104. 170. Yemen Arab Republic. Al Harf. 600M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465105. 171. Yemen Arab Republic. Al Barah. 600M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465106. 172. Yemen Arab Republic. Al Harf. 600M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465107. 173. Yemen Arab Republic. Al Woraiesh. 600M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465108. 174. Yemen Arab Republic. Al Woraiesh. 600M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465109. 175. Yemen Arab Republic. Al Woraiesh. 600M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465110. 177. Yemen Arab Republic. Al Woraiesh. 600M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465111. 178. Yemen Arab Republic. Al Woraiesh. 600M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465112. 179. Yemen Arab Republic. Houzala. 1500M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.

464942 TO 465964-continued

465113. 180. Yemen Arab Republic. Houzala. 1500M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465114. 181. Yemen Arab Republic. Al Thhamara. 600M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465115. 182. Yemen Arab Republic. Al Houban. 1550M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465116. 183. Yemen Arab Republic. Al Houban. 1550M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465117. 184. Yemen Arab Republic. Al Houban. 1550M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465118. 185. Yemen Arab Republic. Al Houban. 1550M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow and orange. Cultivated. Seed.
465119. 186. Yemen Arab Republic. Al Houban. 1550M. Race bicolor caudatum. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
465120. 187. Yemen Arab Republic. Al Houban. 1550M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465121. 188. Yemen Arab Republic. Al Houban. 1550M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465122. 189. Yemen Arab Republic. Al Woraiesh. 600M. Race caudatum durra. Head type 3 - open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
465123. 190. Yemen Arab Republic. Al Woraiesh. 600M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and red. Cultivated. Seed.
465124. 191. Yemen Arab Republic. Al Thhamara. 600M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465125. 192. Yemen Arab Republic. Al Thhamara. 600M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds yellow and red. Cultivated. Seed.

464942 TO 465964-continued

465126. 193. Yemen Arab Republic. Al Thhamara. 600M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465127. 194. Yemen Arab Republic. Al Thhamara. 600M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
465128. 195. Yemen Arab Republic. Al Thhamara. 600M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465129. 196. Yemen Arab Republic. Dimnat Khadir. 1200M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465130. 197. Yemen Arab Republic. Dimnat Khadir. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
465131. 198. Yemen Arab Republic. Al Harf. 600M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds white and orange. Cultivated. Seed.
465132. 199. Yemen Arab Republic. Al Harf. 600M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465133. 200. Yemen Arab Republic. Al Soagar. 1600M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
465134. 201. Yemen Arab Republic. Al Soagar. 1600M. Race caudatum durra. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
465135. 202. Yemen Arab Republic. Athhash. 1650M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465136. 203. Yemen Arab Republic. Athhash. 1650M. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465137. 204. Yemen Arab Republic. Athhash. 1650M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465138. 205. Yemen Arab Republic. Athhash. 1650M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.



464942 TO 465964-continued

465139. 206. Yemen Arab Republic. Al Houban. 1550M. Race durra kafir. Seeds white and tan. Cultivated. Seed.
465140. 207. Yemen Arab Republic. Al Houjala. 1500M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
465141. 208. Yemen Arab Republic. Al Houjala. 1500M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465142. 209. Yemen Arab Republic. Mighaya Al Amir. 1500M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465143. 210. Yemen Arab Republic. Mighaya Al Amir. 1500M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465144. 211. Yemen Arab Republic. Manara Houban. 1550M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465145. 212. Yemen Arab Republic. Mighaya Al Amir. 1500M. Race bicolor. Head type 9 - broomcorn. Seeds brown. Cultivated. Seed.
465146. 213. Yemen Arab Republic. Al Houban. 1550M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465147. 214. Yemen Arab Republic. Al Houban. 1550M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465148. 215. Yemen Arab Republic. Al Houban. 1550M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465149. 216. Yemen Arab Republic. Al Houban. 1550M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465150. 217. Yemen Arab Republic. Kasaba Al Rahida. 1600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465151. 218. Yemen Arab Republic. Wadi Rubaee Addsh. 1500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.

464942 TO 465964-continued

465152. 219. Yemen Arab Republic. Khadir. 1900M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465153. 220. Yemen Arab Republic. Khadir. 1900M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds yellow and red. Cultivated. Seed.
465154. 221. Yemen Arab Republic. Khadir. 1900M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow and orange. Cultivated. Seed.
465155. 222. Yemen Arab Republic. Khadir. 1900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465156. 223. Yemen Arab Republic. Wadi Houban. 1550M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
465157. 224. Yemen Arab Republic. Wadi Mushab. 1200M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds red and white. Cultivated. Seed.
465158. 225. Yemen Arab Republic. Al Garia. 1200M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465159. 226. Yemen Arab Republic. Wadi Nagir Al Ebel. 1550M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
465160. 229. Yemen Arab Republic. Wadi Nakil El Ebel. 1500M. Race caudatum kafir. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465161. 230a. Yemen Arab Republic. Khadir. 1200M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465162. 230b. Yemen Arab Republic. Khadir. 1200M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
465163. 231. Yemen Arab Republic. Addash. 2000M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465164. 232. Yemen Arab Republic. Addash. 2000M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.

464942 TO 465964-continued

465165. 233. Yemen Arab Republic. Aoujalla. 1500M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465166. 234. Yemen Arab Republic. Al Houban. 1550M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465167. 235. Yemen Arab Republic. Al Houban. 1550M. Race bicolor caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465168. 236. Yemen Arab Republic. Al Houban. 1550M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465169. 238. Yemen Arab Republic. Al Houban. 1550M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
465170. 239. Yemen Arab Republic. Al Houban. 1550M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds pink. Cultivated. Seed.
465171. 240. Yemen Arab Republic. Al Houban. 1550M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465172. 241. Yemen Arab Republic. Al Houban. 1550M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
465173. 242. Yemen Arab Republic. Khasabat Al Bahida. 1000M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465174. 243. Yemen Arab Republic. Khasabat Al Rahida. 1000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465175. 244. Yemen Arab Republic. Al Houban. 1550M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465176. 245. Yemen Arab Republic. Nakil Al Ebel. 1600M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465177. 246. Yemen Arab Republic. Nakil Al Ebel. 1600M. Race durra. Head type 3 - open, elongated, elliptical. Seeds

464942 TO 465964-continued

- white. Cultivated. Seed.
465178. 248. Yemen Arab Republic. Ujalla. 1500M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465179. 249. Yemen Arab Republic. Ujalla. 1500M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465180. 250. Yemen Arab Republic. Ujalla. 1500M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465181. 251. Yemen Arab Republic. Al Houban. 1550M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow and white. Cultivated. Seed.
465182. 253. Yemen Arab Republic. Al Mehrak. 1500M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds yellow and white. Cultivated. Seed.
465183. 254. Yemen Arab Republic. Al Mehrak. 1500M. Race caudatum kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465184. 256. Yemen Arab Republic. Akash. 900M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465185. 257. Yemen Arab Republic. Akash. 900M. Race kafir. Head type 5 - semi-compact, ovate. Seeds yellow and red. Cultivated. Seed.
465186. 258. Yemen Arab Republic. Misar Al Houban. 1500M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465187. 259. Yemen Arab Republic. Misar Al Houban. 1500M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465188. 260. Yemen Arab Republic. Wadi Shahub. 1350M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465189. 261. Yemen Arab Republic. Dimna Khadir. 1200M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465190. 262. Yemen Arab Republic. Khasabat Al Rahida. 1500M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.

464942 TO 465964-continued

465191. 263. Yemen Arab Republic. Khasabat Al Rahida. 1500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465192. 264. Yemen Arab Republic. Dimna Khadir. 1200M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
465193. 265. Yemen Arab Republic. Dimna Khadir. 1200M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465194. 266. Yemen Arab Republic. Dimna Khadir. 1200M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
465195. 267. Yemen Arab Republic. Wadi Dabuwan. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465196. 268. Yemen Arab Republic. Dabuwan Ashfal. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
465197. 269. Yemen Arab Republic. Al Rahida. 1000M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465198. 270. Yemen Arab Republic. Al Rahida. 1000M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465199. 271. Yemen Arab Republic. Dabuwan. 1000M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465200. 272. Yemen Arab Republic. Al Gashiyayia. 1000M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465201. 273. Yemen Arab Republic. Al Rahida. 1000M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
465202. 274. Yemen Arab Republic. Wadi Dabuwan. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds pink and white. Cultivated. Seed.
465203. 275. Yemen Arab Republic. Wadi Dabuwan. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.

464942 TO 465964-continued

465204. 276. Yemen Arab Republic. Wadi Dabuwan. 1000M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465205. 277. Yemen Arab Republic. Wadi Dabuwan. 1000M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465206. 278. Yemen Arab Republic. Dabuwan Ashfal. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465207. 279. Yemen Arab Republic. Dabuwan Ashfal. 1000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465208. 280. Yemen Arab Republic. Dabuwan Ashfal. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465209. 281. Yemen Arab Republic. Dabuwan Ashfal. 1000M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow and red. Cultivated. Seed.
465210. 282. Yemen Arab Republic. Al Gashiya. 1100M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465211. 283. Yemen Arab Republic. Al Gashiya. 1100M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow and red. Cultivated. Seed.
465212. 284. Yemen Arab Republic. Davuwan Ashfal. 1100M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465213. 285. Yemen Arab Republic. Addehesh. 1000M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465214. 286. Yemen Arab Republic. Addehesh. 1000M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465215. 287. Yemen Arab Republic. Al Gashiya. 1100M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds yellow and red. Cultivated. Seed.
465216. 288. Yemen Arab Republic. Khasabat Al Rahida. 1500M. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.

464942 TO 465964-continued

465217. 289. Yemen Arab Republic. Al Rahida. 1000M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds yellow and red. Cultivated. Seed.
465218. 290. Yemen Arab Republic. Al Rahida. 1000M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.
465219. 291. Yemen Arab Republic. Al Rahida. 1000M. Race durra bicolor. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
465220. 292. Yemen Arab Republic. Al Rahida. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465221. 293. Yemen Arab Republic. Al Rahida. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465222. 294. Yemen Arab Republic. Al Rahida. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465223. 295. Yemen Arab Republic. Al Rahida. 1000M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
465224. 296. Yemen Arab Republic. Al Rahida. 1000M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds orange and tan. Cultivated. Seed.
465225. 297. Yemen Arab Republic. Rahida. 1000M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465226. 298. Yemen Arab Republic. Rahida Amlah. 1000M. Race durra caudatum. Seeds light orange. Cultivated. Seed.
465227. 299. Yemen Arab Republic. Amlah Wosta. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465228. 300. Yemen Arab Republic. Amlah Wosta. 1000M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465229. 301. Yemen Arab Republic. Amlah Wosta. 1000M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465230. 302. Yemen Arab Republic. Amlah Wosta. 1000M. Race

464942 TO 465964-continued

- caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465231. 303. Yemen Arab Republic. Amlah Wosta. 1000M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465232. 304. Yemen Arab Republic. Amlah Wosta. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465233. 305. Yemen Arab Republic. Amlah Wosta. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465234. 306. Yemen Arab Republic. Amlah Wosta. 1000M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds pink and white. Cultivated. Seed.
465235. 307. Yemen Arab Republic. Amlah Wosta. 1000M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds pink. Cultivated. Seed.
465236. 308. Yemen Arab Republic. Amlah Wosta. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465237. 309. Yemen Arab Republic. Amlah Wosta. 1000M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds dark red. Cultivated. Seed.
465238. 310. Yemen Arab Republic. Kubair Al Abshar. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown and yellow. Cultivated. Seed.
465239. 312. Yemen Arab Republic. Al Rahida. 1000M. Race caudatum durra. Seeds light orange. Cultivated. Seed.
465240. 313. Yemen Arab Republic. Dinnah Khadir. 1200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465241. 314. Yemen Arab Republic. Soreiga. 900M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
465242. 316. Yemen Arab Republic. Rahida. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465243. 317. Yemen Arab Republic. Amlah Rahida. 1000M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.



464942 TO 465964-continued

465244. 318. Yemen Arab Republic. Amlah Rahida. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465245. 319. Yemen Arab Republic. Amlah Rahida. 1000M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.
465246. 320. Yemen Arab Republic. Amlah Rahida. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds pink. Cultivated. Seed.
465247. 321. Yemen Arab Republic. Amlah Asfal. 1000M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds tan. Cultivated. Seed.
465248. 322. Yemen Arab Republic. Amlah Asfal. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
465249. 323. Yemen Arab Republic. Amlah Asfal. 1000M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.
465250. 324. Yemen Arab Republic. Al Galah. 900M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465251. 325. Yemen Arab Republic. Al Galah. 900M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
465252. 326. Yemen Arab Republic. Amlah. 1000M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.
465253. 327. Yemen Arab Republic. Al Dalah. 900M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465254. 328. Yemen Arab Republic. Al Shalle. 900M. Race caudatum kafir. Head type 5 - semi-compact, ovate. Seeds light orange and white. Cultivated. Seed.
465255. 329. Yemen Arab Republic. Al Sureija. 900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465256. 330. Yemen Arab Republic. Rahida Sureija. 900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.

464942 TO 465964-continued

465257. 331. Yemen Arab Republic. Bahida Sureija. 900M. Race durra caudatum. Seeds light brown. Cultivated. Seed.
465258. 332. Yemen Arab Republic. Al Sureija. 900M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465259. 333. Yemen Arab Republic. Al Sureija. 900M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
465260. 334a. Yemen Arab Republic. Al Sansara. 1000M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds brown and white. Cultivated. Seed.
465261. 334b. Yemen Arab Republic. Al Sansara. 1000M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465262. 335. Yemen Arab Republic. Al Sansara. 1000M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
465263. 336. Yemen Arab Republic. Wadi Hatab. 1200M. Race durra caudatum. Seeds orange and tan. Cultivated. Seed.
465264. 337. Yemen Arab Republic. Wadi Hatab. 1200M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465265. 338. Yemen Arab Republic. Wadi Hatab. 1200M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465266. 339. Yemen Arab Republic. Adulaa. 1300M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465267. 340. Yemen Arab Republic. Adulaa. 1300M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465268. 341. Yemen Arab Republic. Wadi Hatab. 1200M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465269. 342. Yemen Arab Republic. Wadi Hatab. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465270. 343. Yemen Arab Republic. Wadi Hatab. 1200M. Race caudatum durra. Head type 4 - semi-open, elongated,

464942 TO 465964-continued

- elliptical. Seeds yellow and red. Cultivated. Seed.
465271. 344. Yemen Arab Republic. Wadi Hatab. 1200M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465272. 346. Yemen Arab Republic. Wadi Dabab. 1400M. Race durra caudatum. Seeds orange. Cultivated. Seed.
465273. 347. Yemen Arab Republic. Wadi Dabab. 1400M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds dark red. Cultivated. Seed.
465274. 348. Yemen Arab Republic. Wadi Dabab. 1400M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
465275. 350. Yemen Arab Republic. Wadi Dabab. 1400M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465276. 353. Yemen Arab Republic. Wadi Dabab. 1400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465277. 354. Yemen Arab Republic. Wadi Dabab. 1400M. Race caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465278. 355. Yemen Arab Republic. Nagd Kusaam. 1500M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465279. 356. Yemen Arab Republic. Nagd Kusaam. 1500M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465280. 358. Yemen Arab Republic. Misrakh. 1400M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465281. 359. Yemen Arab Republic. Nagd Kussem. 1400M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465282. 360. Yemen Arab Republic. Nagd Kussem. 1400M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds red and white. Cultivated. Seed.
465283. 361. Yemen Arab Republic. Mahlaba. 1400M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds light

464942 TO 465964-continued

- brown. Cultivated. Seed.
465284. 362. Yemen Arab Republic. Ujalla. 1500M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465285. 363. Yemen Arab Republic. Pardad. 1400M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
465286. 364. Yemen Arab Republic. Wadi Misrakh. 1400M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465287. 365. Yemen Arab Republic. Wadi Misrakh. 1400M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465288. 366. Yemen Arab Republic. Al Kilabia. 1200M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465289. 367. Yemen Arab Republic. Wadi Dabab. 1400M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and red. Cultivated. Seed.
465290. 368. Yemen Arab Republic. Al Kilabia. 1400M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
465291. 369. Yemen Arab Republic. Nagd Kusaam. 1500M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and red. Cultivated. Seed.
465292. 370. Yemen Arab Republic. Al Kalabia. 1400M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
465293. 371. Yemen Arab Republic. Al Kalabia. 1400M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465294. 372. Yemen Arab Republic. Wadi Misrakh. 1400M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
465295. 373. Yemen Arab Republic. Wadi Misrakh. 1400M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465296. 374. Yemen Arab Republic. Al Kalabia. 1400M. Race caudatum bicolor. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.

464942 TO 465964-continued

465297. 376. Yemen Arab Republic. Al Kalabia. 1400M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds pink. Cultivated. Seed.
465298. 378. Yemen Arab Republic. Al Puweb. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465299. 379. Yemen Arab Republic. Al Puweb. 1200M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds yellow and tan. Cultivated. Seed.
465300. 380. Yemen Arab Republic. Al Puweb. 1200M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465301. 381. Yemen Arab Republic. Wadi Benikhoulan. 1400M. Race caudatum. head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465302. 382. Yemen Arab Republic. Hubeer Al Absur. 1400M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465303. 383. Yemen Arab Republic. Nashama. 1200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow and red. Cultivated. Seed.
465304. 385. Yemen Arab Republic. Nashama. 1200M. Race caudatum durra. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465305. 387. Yemen Arab Republic. Wadi Benikhoulan. 1400M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465306. 388. Yemen Arab Republic. Wadi Benikhoulan. 1400M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465307. 389. Yemen Arab Republic. Wadi Benikhoulan. 1400M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465308. 390. Yemen Arab Republic. Wadi Benikhoulan. 1400M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465309. 391. Yemen Arab Republic. Al Kalabia. 1400M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.

464942 TO 465964-continued

465310. 392. Yemen Arab Republic. Al Kalabia. 1400M. Race durra caudatum. Seeds yellow and orange. Cultivated. Seed.
465311. 393. Yemen Arab Republic. Beni Khoula. 1400M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465312. 394. Yemen Arab Republic. Sansara. 1300M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465313. 395. Yemen Arab Republic. Wadi Dabab. 1400M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465314. 396. Yemen Arab Republic. Wadi Dabab. 1400M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
465315. 397. Yemen Arab Republic. Wadi Hutab. 1200M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
465316. 398. Yemen Arab Republic. Wadi Hutab. 1200M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465317. 399. Yemen Arab Republic. Wadi Hutab. 1200M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465318. 400. Yemen Arab Republic. Wadi Dabab Mahlaba. 1400M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
465319. 401. Yemen Arab Republic. Wadi Dabab Mahlaba. 1400M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465320. 402. Yemen Arab Republic. Wadi Dabab Mahlaba. 1400M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465321. 403. Yemen Arab Republic. Wadi Dabab. 1400M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465322. 404a. Yemen Arab Republic. Wadi Dabab. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465323. 404b. Yemen Arab Republic. Wadi Hutab. 1200M. Race durra

464942 TO 465964-continued

- caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
465324. 405. Yemen Arab Republic. Wadi Hutab. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465325. 406. Yemen Arab Republic. Wadi Hutab. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
465326. 407. Yemen Arab Republic. Wadi Dabab Mahlaba. 1400M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465327. 408. Yemen Arab Republic. Dimna Khadir. 1200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465328. 409. Yemen Arab Republic. Dimna Khadir. 1200M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465329. 410. Yemen Arab Republic. Dimna Khadir. 1200M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465330. 411. Yemen Arab Republic. Dimna Khadir. 1200M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465331. 412. Yemen Arab Republic. Dimna Khadir. 1200M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
465332. 413. Yemen Arab Republic. Dimna Khadir. 1200M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465333. 414. Yemen Arab Republic. Dimna Khadir. 1200M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465334. 415. Yemen Arab Republic. Dimna Khadir. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and red. Cultivated. Seed.
465335. 416. Yemen Arab Republic. Al Gaseeya. 900M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465336. 417. Yemen Arab Republic. Babwan. 1100M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical.

464942 TO 465964-continued

Seeds orange. Cultivated. Seed.

465337. 418. Yemen Arab Republic. Babwan Asfal. 1100M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465338. 420. Yemen Arab Republic. Al Zelae. 1100M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465339. 421. Yemen Arab Republic. Al Khadir. 1200M. Race durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
465340. 422. Yemen Arab Republic. Al Khadir. 1200M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465341. 423. Yemen Arab Republic. Al Khadir. 1200M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and red. Cultivated. Seed.
465342. 424. Yemen Arab Republic. Al Schenab. 1200M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
465343. 425. Yemen Arab Republic. Al Schenab. 1200M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465344. 426. Yemen Arab Republic. Dimna Khadir. 1200M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465345. 427. Yemen Arab Republic. Dimna Khadir. 1200M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465346. 428. Yemen Arab Republic. Al Zelie. 1100M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
465347. 429. Yemen Arab Republic. Al Zelie. 1100M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow and red. Cultivated. Seed.
465348. 430. Yemen Arab Republic. Al Schenab. 1200M. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds tan. Cultivated. Seed.
465349. 431. Yemen Arab Republic. Rahban. 1100M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.



464942 TO 465964-continued

465350. 432. Yemen Arab Republic. Rahban. 1100M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465351. 433. Yemen Arab Republic. Rahban. 1100M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow and red. Cultivated. Seed.
465352. 434. Yemen Arab Republic. Schnab. 1200M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465353. 435. Yemen Arab Republic. Wadi Halaka. 1150M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465354. 436. Yemen Arab Republic. Wadi Halaka. 1150M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465355. 437. Yemen Arab Republic. Wadi Halaka. 1150M. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465356. 438. Yemen Arab Republic. Zalaee. 1100M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465357. 439. Yemen Arab Republic. Schnab. 1200M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465358. 441. Yemen Arab Republic. Hasabat. 1000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465359. 447. Yemen Arab Republic. Nashama. 1200M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds pink. Cultivated. Seed.
465360. 449. Yemen Arab Republic. Sandaha. 1200M. Race durra. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465361. 450. Yemen Arab Republic. Sandaha. 1200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.

464942 TO 465964-continued

465362. 451. Yemen Arab Republic. Wadi Al Khiyami. 1200M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds orange and white. Cultivated. Seed.
465363. 452. Yemen Arab Republic. Wadi Al Khiyami. 1200M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds light red. Cultivated. Seed.
465364. 453. Yemen Arab Republic. Al Khiyami. 1200M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds orange and yellow. Cultivated. Seed.
465365. 454. Yemen Arab Republic. Safiya. 900M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465366. 455. Yemen Arab Republic. Safiya. 900M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465367. 456. Yemen Arab Republic. Safiya. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465368. 457. Yemen Arab Republic. Safiya (Assufiyah). 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465369. 458. Yemen Arab Republic. Safiya. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465370. 459. Yemen Arab Republic. Safiya. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465371. 460. Yemen Arab Republic. Safiya. 900M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465372. 461. Yemen Arab Republic. Eard Al Higani. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465373. 462. Yemen Arab Republic. Al Khiyami. 900M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds white and pink. Cultivated. Seed.
465374. 463. Yemen Arab Republic. Eard Al Sawa. 900M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.

464942 TO 465964-continued

465375. 464. Yemen Arab Republic. Eard Al Sawa. 900M. Race caudatum bicolor. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465376. 466. Yemen Arab Republic. Nashama. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
465377. 467. Yemen Arab Republic. Nashama. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465378. 468. Yemen Arab Republic. Nashama. 1200M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465379. 469. Yemen Arab Republic. Nashama. 1200M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.
465380. 470. Yemen Arab Republic. Karif Sandaha. 1200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
465381. 471. Yemen Arab Republic. Karif Sandaha. 1200M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds light red. Cultivated. Seed.
465382. 472. Yemen Arab Republic. Karif Sandaha. 1200M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465383. 473. Yemen Arab Republic. Al Marfidein. 1200M. Race durra bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds dark orange. Cultivated. Seed.
465384. 476. Yemen Arab Republic. Eard Al Sawa. 900M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465385. 477. Yemen Arab Republic. Eard Al Sawa. 900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465386. 478. Yemen Arab Republic. Nashama. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465387. 479. Yemen Arab Republic. Nashama. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.

464942 TO 465964-continued

465388. 480. Yemen Arab Republic. Nashama. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465389. 481. Yemen Arab Republic. Nashama. 1200M. Race bicolor. Head type 6 - semi-compact, elliptical. Seeds brown. Cultivated. Seed.
465390. 483. Yemen Arab Republic. Karif Sandaha. 1250M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
465391. 484. Yemen Arab Republic. Karif Sandaha. 1250M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465392. 485. Yemen Arab Republic. Karif Sandaha. 1250M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
465393. 486. Yemen Arab Republic. Al Khiyam. 1300M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds light red. Cultivated. Seed.
465394. 487. Yemen Arab Republic. Al Khiyam. 1300M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds light red. Cultivated. Seed.
465395. 488. Yemen Arab Republic. Al Khiyam. 1300M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465396. 489. Yemen Arab Republic. Al Khiyam. 1300M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465397. 490. Yemen Arab Republic. Al Khiyam. 1300M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds light red. Cultivated. Seed.
465398. 491. Yemen Arab Republic. Wā Al Barakani. 1400M. Race caudatum kafir. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
465399. 493. Yemen Arab Republic. Wadi Al Barakani. 1400M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.
465400. 494. Yemen Arab Republic. Wadi Barakani. 1400M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.

464942 TO 465964-continued

465401. 495. Yemen Arab Republic. Eard Al Sawa. 900M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
465402. 496. Yemen Arab Republic. Safiya. 900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465403. 497. Yemen Arab Republic. Wadi Al Khiyami. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465404. 498. Yemen Arab Republic. Wadi Al Khiyami. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds pink. Cultivated. Seed.
465405. 499. Yemen Arab Republic. Wadi Al Khiyami. 1000M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
465406. 500. Yemen Arab Republic. Wadi Al Khiyami. 1000M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465407. 501. Yemen Arab Republic. Safiya. 900M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds light red. Cultivated. Seed.
465408. 502. Yemen Arab Republic. Safiya. 900M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465409. 504. Yemen Arab Republic. Al Higani. 1000M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
465410. 506. Yemen Arab Republic. Samsara. 1400M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465411. 507. Yemen Arab Republic. Samsara. 1400M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465412. 508. Yemen Arab Republic. Samsara. 1400M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465413. 509. Yemen Arab Republic. Samsara. 1400M. Race caudatum kafir. Head type 5 - semi-compact, ovate. Seeds yellow and white. Cultivated. Seed.

464942 TO 465964-continued

465414. 510. Yemen Arab Republic. Al Absur. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated. Seeds light red. Cultivated. Seed.
465415. 511. Yemen Arab Republic. Safiya (Assufiyah). 900M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
465416. 512. Yemen Arab Republic. Safiya (Assufiyah). 900M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465417. 513. Yemen Arab Republic. Al Higni. 1000M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465418. 514. Yemen Arab Republic. Al Higni. 1000M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
465419. 515. Yemen Arab Republic. Al Higni. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and red. Cultivated. Seed.
465420. 516. Yemen Arab Republic. Al Absur. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465421. 517. Yemen Arab Republic. Samsara. 1400M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465422. 518. Yemen Arab Republic. Samsara. 1400M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465423. 519. Yemen Arab Republic. Al Higani. 1000M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
465424. 520. Yemen Arab Republic. Samsara. 1400M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465425. 523. Yemen Arab Republic. Samsara. 1400M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds pink. Cultivated. Seed.
465426. 524. Yemen Arab Republic. Samsara. 1400M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.

464942 TO 465964-continued

465427. 525. Yemen Arab Republic. Samsara. 1400M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465428. 529. Yemen Arab Republic. Hubairat Al-Absur. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465429. 530. Yemen Arab Republic. Al Absur. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465430. 531. Yemen Arab Republic. Hugar. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and brown. Cultivated. Seed.
465431. 532. Yemen Arab Republic. Hugar. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and pink. Cultivated. Seed.
465432. 534. Yemen Arab Republic. Al Absur. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465433. 535. Yemen Arab Republic. Hugar. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
465434. 536. Yemen Arab Republic. Wadi Kusha. 1900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465435. 538. Yemen Arab Republic. Wadi Kusha. 1900M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465436. 539. Yemen Arab Republic. Wadi Kusha. 1900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465437. 540. Yemen Arab Republic. Wadi Kusha. 1900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465438. 543. Yemen Arab Republic. Turba. 2000M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465439. 544. Yemen Arab Republic. Turba. 2000M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.

464942 TO 465964-continued

465440. 545. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465441. 546. Yemen Arab Republic. Al-Kowsar. 1900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465442. 547. Yemen Arab Republic. Al-Kowsar. 1900M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465443. 548. Yemen Arab Republic. Al-Kowsar. 1900M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465444. 550. Yemen Arab Republic. Habib. 1900M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465445. 552. Yemen Arab Republic. Ashkof Azaz. 2000M. Race kafir caudatum. Head type 2 - very open, loose, similar to S. sudanense. Seeds yellow. Cultivated. Seed.
465446. 553. Yemen Arab Republic. Ashkof Azaz. 2000M. Race kafir caudatum. Head type 2 - very open, loose, similar to S. sudanense. Seeds yellow and brown. Cultivated. Seed.
465447. 554. Yemen Arab Republic. Ashkof Azaz. 2000M. Race durra caudatum. Head type 2 - very open, loose, similar to S. sudanense. Seeds brown. Cultivated. Seed.
465448. 555. Yemen Arab Republic. Daribat Turba. 2000M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465449. 556. Yemen Arab Republic. Daribat Turba. 2000M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow and tan. Cultivated. Seed.
465450. 557. Yemen Arab Republic. Daribat Turba. 2000M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465451. 558. Yemen Arab Republic. Daribat Turba. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465452. 559. Yemen Arab Republic. Hasib Al Aasabe. 1900M. Race durra. Head type 7 - very compact, ovate, flattened base,



464942 TO 465964-continued

- with usually a recurved peduncle. Seeds yellow.  
Cultivated. Seed.
465453. 560. Yemen Arab Republic. Al Azaz. 2000M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465454. 561. Yemen Arab Republic. Daribat Turba. 2000M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465455. 562. Yemen Arab Republic. Daribat Turba. 2000M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465456. 563. Yemen Arab Republic. Daribat Turba. 2000M. Race caudatum bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465457. 564. Yemen Arab Republic. Al Kusha. 1900M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465458. 565. Yemen Arab Republic. Kushar Ashabe. 1900M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465459. 568. Yemen Arab Republic. Ashabe. 1900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465460. 569. Yemen Arab Republic. Ashabe. 1900M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465461. 570. Yemen Arab Republic. Hasib Al Aasabe. 1900M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
465462. 571. Yemen Arab Republic. Hasib Al Aasabe. 1900M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465463. 572. Yemen Arab Republic. Hasib Al Aasabe. 1900M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465464. 573. Yemen Arab Republic. Hasib Al Aasabe. 1900M. Race durra bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and tan. Cultivated. Seed.
465465. 574. Yemen Arab Republic. Hasib Al Aasabe. 1900M. Race durra. Head type 7 - very compact, ovate, flattened base,

464942 TO 465964-continued

- with usually a recurved peduncle. Seeds yellow and pink. Cultivated. Seed.
465466. 575. Yemen Arab Republic. Askaf Azaz. 2000M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465467. 577. Yemen Arab Republic. Askaf Azaz. 2000M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465468. 578. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465469. 580. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465470. 581. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465471. 582. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown and red. Cultivated. Seed.
465472. 583. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465473. 584. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465474. 585. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white and tan. Cultivated. Seed.
465475. 586. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465476. 587. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown and tan.

464942 TO 465964-continued

Cultivated. Seed.

465477. 588. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race caudatum durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465478. 589. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated. Seed.
465479. 590. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465480. 591. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated. Seed.
465481. 592. Yemen Arab Republic. Road Sana-Hodeida. 2500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow and white. Cultivated. Seed.
465482. 593. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465483. 594. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds tan. Cultivated. Seed.
465484. 595. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465485. 596. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
465486. 597. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465487. 598. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race kafir caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.

464942 TO 465964-continued

465488. 599. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race caudatum durra. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
465489. 600. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465490. 601. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465491. 602. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465492. 603. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465493. 604. Yemen Arab Republic. Road Sana-Hodeida. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465494. 605. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated. Seed.
465495. 606. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465496. 607. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated. Seed.
465497. 608. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race caudatum durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated. Seed.
465498. 609. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Seeds brown. Cultivated. Seed.
465499. 610. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Seeds brown. Cultivated. Seed.

464942 TO 465964-continued

465500. 611. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465501. 612. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465502. 613. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465503. 614. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465504. 615. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465505. 616. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465506. 617. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465507. 618. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465508. 619. Yemen Arab Republic. Road Sana-Hodeida. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465509. 620. Yemen Arab Republic. Road Sana-Hodeida. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated. Seed.
465510. 621. Yemen Arab Republic. Road Sana-Hodeida. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated.

464942 TO 465964-continued  
Seed.

465511. 622. Yemen Arab Republic. Road Sana-Hodeida. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465512. 623. Yemen Arab Republic. Road Sana-Hodeida. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown and white. Cultivated. Seed.
465513. 624. Yemen Arab Republic. Road Sana-Hodeida. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465514. 625. Yemen Arab Republic. Road Sana-Hodeida. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465515. 627. Yemen Arab Republic. Road Sana-Hodeida. 2200M. Race durra. Seeds white and red. Cultivated. Seed.
465516. 628. Yemen Arab Republic. Road Sana-Hodeida. 2200M. Race durra. Seeds white. Cultivated. Seed.
465517. 629. Yemen Arab Republic. Road Sana-Hodeida. 2200M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465518. 630. Yemen Arab Republic. Road Sana-Hodeida. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465519. 633. Yemen Arab Republic. Al Houban. 1500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465520. 634. Yemen Arab Republic. Al Houban. 1500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow and orange. Cultivated. Seed.
465521. 635. Yemen Arab Republic. Al Houban. 1500M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow and orange. Cultivated. Seed.
465522. 636. Yemen Arab Republic. Al Houban. 1500M. Race caudatum kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.

464942 TO 465964-continued

465523. 637. Yemen Arab Republic. Al Houban. 1500M. Race caudatum kafir. Head type 6 - semi-compact, elliptical. Seeds yellow and white. Cultivated. Seed.
465524. 638. Yemen Arab Republic. Al Ganad. 1600M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465525. 639. Yemen Arab Republic. Al Ganad. 1600M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds tan. Cultivated. Seed.
465526. 640. Yemen Arab Republic. Al Ganad. 1600M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds tan and yellow. Cultivated. Seed.
465527. 641. Yemen Arab Republic. Al Ganad. 1600M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds yellow and brown. Cultivated. Seed.
465528. 642. Yemen Arab Republic. Al Ganad. 1600M. Race durra caudatum. Head type 7 - semi-compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465529. 643. Yemen Arab Republic. Al Ganad. 1600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light yellow. Cultivated. Seed.
465530. 644. Yemen Arab Republic. Al Ganad. 1600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light yellow. Cultivated. Seed.
465531. 645. Yemen Arab Republic. Al Ganad. 1600M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465532. 647. Yemen Arab Republic. Al Ganad. 1600M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465533. 648. Yemen Arab Republic. Al Matar. 1600M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465534. 649. Yemen Arab Republic. Al Matar. 1600M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465535. 650. Yemen Arab Republic. Al Ganad. 1600M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.

464942 TO 465964-continued

465536. 651. Yemen Arab Republic. Al Ganad. 1600M. Race bicolor caudatum. Head type 3 - open, elongated, elliptical. Seeds dark red. Cultivated. Seed.
465537. 652. Yemen Arab Republic. Al Ganad. 1600M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
465538. 653. Yemen Arab Republic. Al Ganad. 1600M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465539. 654. Yemen Arab Republic. Al Ganad. 1600M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465540. 655. Yemen Arab Republic. Al Ganad. 1600M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow and white. Cultivated. Seed.
465541. 656. Yemen Arab Republic. Al Ganad. 1600M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465542. 657. Yemen Arab Republic. Al Ganad. 1600M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465543. 658. Yemen Arab Republic. Al Ganad. 1600M. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465544. 659. Yemen Arab Republic. Al Ganad. 1600M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465545. 660. Yemen Arab Republic. Al Ganad. 1600M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465546. 661. Yemen Arab Republic. Al Ganad. 1600M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465547. 662. Yemen Arab Republic. Al Ganad. 1600M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465548. 663. Yemen Arab Republic. Al Ganad. 1600M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.



464942 TO 465964-continued

465549. 664. Yemen Arab Republic. Al Ganad. 1600M. Race durra. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465550. 665. Yemen Arab Republic. Al Ganad. 1600M. Race kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465551. 666. Yemen Arab Republic. Al Ganad. 1600M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465552. 667. Yemen Arab Republic. Al Ganad. 1600M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465553. 668. Yemen Arab Republic. Al Ganad. 1600M. Head type 6 - semi-compact, elliptical. Seeds orange and brown. Cultivated. Seed.
465554. 669. Yemen Arab Republic. Al Ganad. 1600M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
465555. 670. Yemen Arab Republic. Al Ganad. 1600M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465556. 671. Yemen Arab Republic. Al Ganad. 1600M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465557. 672. Yemen Arab Republic. Al Ganad. 1600M. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465558. 673. Yemen Arab Republic. Al Ganad. 1600M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465559. 674. Yemen Arab Republic. Al Ganad. 1600M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465560. 675. Yemen Arab Republic. Al Ganad. 1600M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465561. 676. Yemen Arab Republic. Al Ganad. 1600M. Race kafir caudatum. Head type 5 - semi-compact, ovate, Seeds yellow. Cultivated. Seed.

464942 TO 465964-continued

465562. 677. Yemen Arab Republic. Al Ganad. 1600M. Race durra. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
465563. 678. Yemen Arab Republic. Al Ganad. 1600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light yellow. Cultivated. Seed.
465564. 679. Yemen Arab Republic. Al Kaeda. 1800M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465565. 680. Yemen Arab Republic. Al Kaeda. 1800M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light yellow. Cultivated. Seed.
465566. 681. Yemen Arab Republic. Al Kaeda. 1800M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds light brown. Cultivated. Seed.
465567. 682. Yemen Arab Republic. Al Kaeda. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark red. Cultivated. Seed.
465568. 683. Yemen Arab Republic. Al Kaeda. 1800M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465569. 685. Yemen Arab Republic. Al Kaeda. 1800M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds light brown. Cultivated. Seed.
465570. 686. Yemen Arab Republic. Al Kaeda. 1800M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light yellow. Cultivated. Seed.
465571. 687. Yemen Arab Republic. Al Kaeda. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light yellow. Cultivated. Seed.
465572. 688. Yemen Arab Republic. Al Kaeda. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light yellow. Cultivated. Seed.
465573. 689. Yemen Arab Republic. Al Kaeda. 1800M. Race durra. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465574. 690. Yemen Arab Republic. Al Kaeda. 1800M. Race durra

464942 TO 465964-continued

- kafir. Seeds yellow. Cultivated. Seed.
465575. 691. Yemen Arab Republic. Al Kaeda. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465576. 692. Yemen Arab Republic. Al Kaeda. 1800M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465577. 694. Yemen Arab Republic. Al Mahagar. 1900M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465578. 695. Yemen Arab Republic. Al Mahagar. 1900M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465579. 696. Yemen Arab Republic. Hadarah. 1900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds grey. Cultivated. Seed.
465580. 697. Yemen Arab Republic. Surban. 1900M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light brown. Cultivated. Seed.
465581. 698. Yemen Arab Republic. Hadarah. 1900M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465582. 699. Yemen Arab Republic. Hadarah. 1900M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465583. 700. Yemen Arab Republic. Hadarah. 1900M. Race kafir. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
465584. 701. Yemen Arab Republic. Khadarah. 1900M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465585. 702. Yemen Arab Republic. Khadarah. 1900M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465586. 703. Yemen Arab Republic. Al Marfidein. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465587. 704. Yemen Arab Republic. Al Marfidein. 2000M. Race

464942 TO 465964-continued

- kafir caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465588. 705. Yemen Arab Republic. Al Marfidein. 2000M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds brown. Cultivated. Seed.
465589. 706. Yemen Arab Republic. Al Marfidein. 2000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465590. 707. Yemen Arab Republic. Al Marfidein. 1900M. Race durra. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
465591. 708. Yemen Arab Republic. Wadi Darash. 1900M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
465592. 709. Yemen Arab Republic. Wadi Darash. 1900M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465593. 710. Yemen Arab Republic. Wadi Darash. 1900M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465594. 711. Yemen Arab Republic. Wadi Darash. 1900M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465595. 712. Yemen Arab Republic. Wadi Darash. 1900M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465596. 713. Yemen Arab Republic. Wadi Darash. 1900M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465597. 714. Yemen Arab Republic. Wadi Darash. 1900M. Race caudatum durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465598. 715. Yemen Arab Republic. Wadi Darash. 1900M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.

464942 TO 465964-continued

465599. 716. Yemen Arab Republic. Al Sayani. 2000M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465600. 717. Yemen Arab Republic. Wadi Darash. 1900M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465601. 718. Yemen Arab Republic. Wadi Darash. 1900M. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465602. 719. Yemen Arab Republic. Wadi Darash. 1900M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465603. 720. Yemen Arab Republic. Wadi Darash. 1900M. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465604. 721. Yemen Arab Republic. Al Sayani. 2000M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465605. 722. Yemen Arab Republic. Al Sayani. 2000M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465606. 723. Yemen Arab Republic. Al Sayani. 2000M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465607. 724. Yemen Arab Republic. Shaelat Al Sayani. 2000M. Race bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465608. 725. Yemen Arab Republic. Shaelat Al Sayani. 2000M. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465609. 726. Yemen Arab Republic. Shaelat Al Sayani. 2000M. Race caudatum durra. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465610. 729. Yemen Arab Republic. Shaelat Al Sayani. 2000M. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.

464942 TO 465964-continued

465611. 730. Yemen Arab Republic. Naqil As Sayani. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465612. 731. Yemen Arab Republic. Naqil As Sayani. 2000M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465613. 732. Yemen Arab Republic. Naqil As Sayani. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465614. 733. Yemen Arab Republic. Naqil As Sayani. 2000M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465615. 734a. Yemen Arab Republic. Naqil As Sayani. 2000M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds brown. Cultivated. Seed.
465616. 734b. Yemen Arab Republic. Naqil As Sayani. 2000M. Race durra kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465617. 735. Yemen Arab Republic. Naqil As Sayani. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light yellow. Cultivated. Seed.
465618. 736. Yemen Arab Republic. Shahaban. 1600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light yellow. Cultivated. Seed.
465619. 737. Yemen Arab Republic. Shahaban. 1600M. Race durra. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
465620. 738. Yemen Arab Republic. Shahaban. 1600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds brown. Cultivated. Seed.
465621. 739. Yemen Arab Republic. Shahaban. 1600M. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark red. Cultivated. Seed.
465622. 740. Yemen Arab Republic. Nagdel Ahmar. 2200M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds dark

464942 TO 465964-continued

- red. Cultivated. Seed.
465623. 741. Yemen Arab Republic. Naqil Nagdal. 2300M. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark red. Cultivated. Seed.
465624. 742. Yemen Arab Republic. Naqil Nagdal. 2300M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465625. 743. Yemen Arab Republic. Shahaban. 1600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow and brown. Cultivated. Seed.
465626. 744. Yemen Arab Republic. Shahaban. 1600M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465627. 745. Yemen Arab Republic. Shahaban. 1600M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and orange. Cultivated. Seed.
465628. 746. Yemen Arab Republic. Naqil Nagdal Ahmer. 2300M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
465629. 747. Yemen Arab Republic. Naqil Nagdal Ahmer. 2300M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465630. 748. Yemen Arab Republic. Naqil Nagdal Ahmer. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated. Seed.
465631. 750. Yemen Arab Republic. Naqil As Siyani. 2000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
465632. 751. Yemen Arab Republic. Naqil As Siyani. 2000M. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds brown. Cultivated. Seed.
465633. 752. Yemen Arab Republic. Naqil As Siyani. 2000M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
465634. 753. Yemen Arab Republic. Shahaban. 1600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated.

464942 TO 465964-continued

Seed.

465635. 754. Yemen Arab Republic. Shahaban. 1600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
465636. 755. Yemen Arab Republic. Nagdal Ahmar. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark red. Cultivated. Seed.
465637. 756. Yemen Arab Republic. Nagdal Ahmar. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465638. 757. Yemen Arab Republic. Nagdal Ahmar. 2300M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465639. 758. Yemen Arab Republic. Nagdal Ahmar. 2300M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
465640. 759. Yemen Arab Republic. Khadarah. 2100M. Race kafir caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465641. 760. Yemen Arab Republic. Road Sana-Al Kadrah. 2100M. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465642. 761. Yemen Arab Republic. Yarim Amran. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark red. Cultivated. Seed.
465643. 762. Yemen Arab Republic. Yarim Amran. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465644. 763. Yemen Arab Republic. Nagil Al Sinani. 2050M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465645. 764. Yemen Arab Republic. Yarim Al Amran. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated.



464942 TO 465964-continued

Seed.

465646. 765. Yemen Arab Republic. Yarim. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465647. 766. Yemen Arab Republic. Yarim. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465648. 767. Yemen Arab Republic. Yarim. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465649. 768. Yemen Arab Republic. Yarim. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark brown. Cultivated. Seed.
465650. 769. Yemen Arab Republic. Yarim. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan and orange. Cultivated. Seed.
465651. 770. Yemen Arab Republic. Nagdal Ahmer. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark red. Cultivated. Seed.
465652. 773. Yemen Arab Republic. Nagdal Ahmer. 2300M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds dark red. Cultivated. Seed.
465653. 774. Yemen Arab Republic. Nagdal Ahmer. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465654. 775. Yemen Arab Republic. Nagdal Ahmer. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465655. 776. Yemen Arab Republic. Nagdal Ahmer. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465656. 777. Yemen Arab Republic. Nagdal Ahmer. 2300M. Race durra caudatum. Head type 6 - semi-compact, elliptical.

464942 TO 465964-continued

Seeds red. Cultivated. Seed.

465657. 778. Yemen Arab Republic. Nagdal Ahmer. 2300M. Race durra. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465658. 779. Yemen Arab Republic. Nagdal Ahmer. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light yellow. Cultivated. Seed.
465659. 781. Yemen Arab Republic. Wadi Arwa. 2100M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated. Seed.
465660. 782. Yemen Arab Republic. Kubba Arwa. 2100M. Race durra. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
465661. 783. Yemen Arab Republic. Nagdal Ahmer. 2300M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds dark red. Cultivated. Seed.
465662. 784. Yemen Arab Republic. Kubba Arwa. 2100M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465663. 788. Yemen Arab Republic. Wadi Sareem. 1500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465664. 789. Yemen Arab Republic. Wadi Sareem. 1500M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465665. 790. Yemen Arab Republic. Kubba Arwa. 2100M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange and red. Cultivated. Seed.
465666. 792. Yemen Arab Republic. Kubba Arwa. 2100M. Race durra. Head type 6 - semi-compact, elliptical. Seeds orange and red. Cultivated. Seed.
465667. 795. Yemen Arab Republic. Kubba Al Nagdal. 2100M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465668. 797a. Yemen Arab Republic. Kubba Arwa. 2100M. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.

464942 TO 465964-continued

465669. 797b. Yemen Arab Republic. Kubba Arwa. 2100M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465670. 798. Yemen Arab Republic. Kubba Arwa. 2100M. Race durra. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465671. 799. Yemen Arab Republic. Wadi Al Mejjareb. 2100M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465672. 802. Yemen Arab Republic. Kubba Arwa. 2100M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465673. 803. Yemen Arab Republic. Kubba Arwa. 2100M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
465674. 804. Yemen Arab Republic. Wadi Sareem. 1500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated. Seed.
465675. 805. Yemen Arab Republic. Wadi Sareem. 1500M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465676. 806. Yemen Arab Republic. Wadi Sareem. 1500M. Race durra caudatum. Seeds white and yellow. Cultivated. Seed.
465677. 807. Yemen Arab Republic. Kubba Arwa. 2100M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465678. 810. Yemen Arab Republic. Al Majjareb. 2100M. Race durra. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465679. 811. Yemen Arab Republic. Dar Asharaf. 1950M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465680. 812. Yemen Arab Republic. Dar Asharaf. 1950M. Race durra. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465681. 813. Yemen Arab Republic. Dar Asharaf. 1950M. Race kafir.

464942 TO 465964-continued

- Head type 6 - semi-compact, elliptical. Seeds red.  
Cultivated. Seed.
465682. 814. Yemen Arab Republic. Dar Asheraf. 1950M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465683. 815. Yemen Arab Republic. Ibb. 2000M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465684. 816. Yemen Arab Republic. Ibb. 2000M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465685. 817. Yemen Arab Republic. Wadi Al Sharaf. 1900M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light red. Cultivated. Seed.
465686. 819. Yemen Arab Republic. Wadi Al Sharaf. 1900M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and orange. Cultivated. Seed.
465687. 820. Yemen Arab Republic. Ibb. 2000M. Race durra. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
465688. 821. Yemen Arab Republic. Ibb. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465689. 824. Yemen Arab Republic. Wadi Al Majjareb. 2100M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds white and yellow. Cultivated. Seed.
465690. 826. Yemen Arab Republic. Ibb. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange and red. Cultivated. Seed.
465691. 827. Yemen Arab Republic. Ibb. 2000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465692. 828. Yemen Arab Republic. Ibb. 2000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465693. 832. Yemen Arab Republic. Ibb. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with

464942 TO 465964-continued

- usually a recurved peduncle. Seeds white. Cultivated.  
Seed.
465694. 837. Yemen Arab Republic. Khamer Sn-Sd Road. 2400M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
465695. 838. Yemen Arab Republic. Khamer. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465696. 839. Yemen Arab Republic. Khamer Sn-Sd Road. 2400M. Race durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465697. 840. Yemen Arab Republic. Harf Sifiyan 115km. 1900M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465698. 841. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465699. 842. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465700. 843. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465701. 844. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465702. 845. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465703. 846. Yemen Arab Republic. Al Goula. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465704. 847. Yemen Arab Republic. Khiyar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light yellow.

464942 TO 465964-continued

Cultivated. Seed.

465705. 848. Yemen Arab Republic. Khiyar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465706. 850. Yemen Arab Republic. Al Goula. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated. Seed.
465707. 851. Yemen Arab Republic. Khiyar. 2400M. Race durra. Seeds white. Cultivated. Seed.
465708. 852. Yemen Arab Republic. Khamer. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
465709. 853. Yemen Arab Republic. Al Jurafi. 2250M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465710. 854a. Yemen Arab Republic. Al Jurafi Al Asfal. 2250M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465711. 854b. Yemen Arab Republic. Al Jurafi Al Asfal. 2250M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465712. 855. Yemen Arab Republic. Hasheed Sn-Sd Road. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465713. 856. Yemen Arab Republic. Hasheed. 2500M. Race durra. Seeds light orange. Cultivated. Seed.
465714. 857. Yemen Arab Republic. Hasheed. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465715. 858. Yemen Arab Republic. Hasheed. 2500M. Race caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465716. 860. Yemen Arab Republic. Hasheed. 2500M. Race durra.

464942 TO 465964-continued

- Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465717. 861a. Yemen Arab Republic. Hasheed. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465718. 861b. Yemen Arab Republic. Hasheed. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465719. 862. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465720. 863. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465721. 864. Yemen Arab Republic. Al Goula. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465722. 865. Yemen Arab Republic. Al Goula. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465723. 867. Yemen Arab Republic. Amran. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white and brown. Cultivated. Seed.
465724. 868. Yemen Arab Republic. Amran. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465725. 870. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465726. 871. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.

464942 TO 465964-continued

465727. 872. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465728. 873. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465729. 874. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465730. 875. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465731. 876. Yemen Arab Republic. Amran. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465732. 877. Yemen Arab Republic. Amran. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465733. 878. Yemen Arab Republic. Al Reidah. 2200M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465734. 879. Yemen Arab Republic. Al Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465735. 880. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465736. 881. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465737. 882. Yemen Arab Republic. Bait Al Gulabi. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base,



464942 TO 465964-continued

- with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465738. 883. Yemen Arab Republic. Bait Al Gulabi. 2600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465739. 884. Yemen Arab Republic. Bait Al Gulabi. 2600M. Race caudatum kafir. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465740. 885. Yemen Arab Republic. Bait Al Gulabi. 2600M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465741. 886. Yemen Arab Republic. Bait Al Gulabi. 2600M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465742. 887. Yemen Arab Republic. Bait Al Gulabi. 2600M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds lgith yellow. Cultivated. Seed.
465743. 888. Yemen Arab Republic. Bait Al Gulabi. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465744. 889. Yemen Arab Republic. Gerba. 2600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465745. 890. Yemen Arab Republic. Al Maamar. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white and brown. Cultivated. Seed.
465746. 893. Yemen Arab Republic. Al Maamar. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465747. 894. Yemen Arab Republic. Bait Al Galam Sn-Hd Road. 2200M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds white and tan. Cultivated. Seed.
465748. 895. Yemen Arab Republic. Babanaga Sn-Hd Road. 2200M. Race caudatum durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465749. 896. Yemen Arab Republic. Babanaga. 2200M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds

464942 TO 465964-continued

- white. Cultivated. Seed.
465750. 897. Yemen Arab Republic. Babanaga. 2200M. Race caudatum kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465751. 898. Yemen Arab Republic. Babanaga. 2200M. Race caudatum kafir. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
465752. 899. Yemen Arab Republic. Reidah. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465753. 900. Yemen Arab Republic. Bab Areyat. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465754. 902. Yemen Arab Republic. Bab Areyat. 2000M. Race durra. Head type 6 - semi-compact, elliptical. Seeds white and tan. Cultivated. Seed.
465755. 903. Yemen Arab Republic. Amran. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465756. 904. Yemen Arab Republic. Bait Koumari. 2640M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465757. 905. Yemen Arab Republic. Honab Sn-Tz Road. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465758. 906. Yemen Arab Republic. Honab Sn-Tz Road. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465759. 907. Yemen Arab Republic. Bait Koumari. 2640M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465760. 908. Yemen Arab Republic. Numara Damer. 2100M. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465761. 909. Yemen Arab Republic. Numara Damer. 2100M. Race

464942 TO 465964-continued

- kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465762. 910. Yemen Arab Republic. Bait Asran. 2100M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465763. 911. Yemen Arab Republic. Bait Asran. 2100M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
465764. 912. Yemen Arab Republic. Dhamara Sn-Tz Road. 2600M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465765. 913. Yemen Arab Republic. Dhamara Sn-Tz Road. 2600M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465766. 914. Yemen Arab Republic. Dhamara Numara. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465767. 916. Yemen Arab Republic. Bait Amran. 2300M. Race durra. Head type 6 - semi-compact, elliptical. Seeds brown and tan. Cultivated. Seed.
465768. 917. Yemen Arab Republic. Bait Amran. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
465769. 918. Yemen Arab Republic. Dhamara Sn-Tz Road. 2600M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465770. 919. Yemen Arab Republic. Dhamara Sn-Tz Road. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465771. 920. Yemen Arab Republic. Dhamara Sn-Tz Road. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465772. 921. Yemen Arab Republic. Dhamara Sn-Tz Road. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown.

464942 TO 465964-continued

Cultivated. Seed.

465773. 922. Yemen Arab Republic. Bait Al Gulabi. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465774. 923. Yemen Arab Republic. Bait Al Khomeni. 2600M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465775. 924. Yemen Arab Republic. Bait Amran. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465776. 925. Yemen Arab Republic. Dar Ahreb. 2540M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
465777. 926. Yemen Arab Republic. Bait Amran. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown and red. Cultivated. Seed.
465778. 927. Yemen Arab Republic. Bait Amran. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465779. 928. Yemen Arab Republic. Bait Amran. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465780. 930. Yemen Arab Republic. Hamdah. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465781. 931. Yemen Arab Republic. Dar Ahreb. 2600M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow and white. Cultivated. Seed.
465782. 932. Yemen Arab Republic. Dar Ahreb. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light yellow. Cultivated. Seed.
465783. 933. Yemen Arab Republic. Dar Ahreb. 2600M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.

465784. 934. Yemen Arab Republic. Dar Ahreb. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465785. 935. Yemen Arab Republic. Dar Ahreb. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465786. 937. Yemen Arab Republic. Dar Ahreb. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465787. 938. Yemen Arab Republic. Dar Ahreb. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465788. 939. Yemen Arab Republic. Numara. 2600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465789. 941. Yemen Arab Republic. Garn Damar. 2400M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465790. 942. Yemen Arab Republic. Dhamar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465791. 943. Yemen Arab Republic. Dhamar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465792. 944. Yemen Arab Republic. Dhamar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465793. 945a. Yemen Arab Republic. Dhamar. 2400M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465794. 945b. Yemen Arab Republic. Dhamar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.

464942 TO 465964-continued

465795. 946. Yemen Arab Republic. Taeh Jahran. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465796. 947. Yemen Arab Republic. Taeh Jahran. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465797. 948. Yemen Arab Republic. Taeh Jahran. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465798. 949. Yemen Arab Republic. Dhamar Km 89. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465799. 950. Yemen Arab Republic. Dhamar Km 89. 2600M. Cultivated. Seed.
465800. 951. Yemen Arab Republic. Dhamar Km 89. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465801. 952. Yemen Arab Republic. Darb Dhamar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465802. 954. Yemen Arab Republic. Jahran Dhamar. 2680M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465803. 955. Yemen Arab Republic. Jahran Dhamar. 2680M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465804. 957. Yemen Arab Republic. Darb Dhamar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465805. 959. Yemen Arab Republic. Dhamar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.

464942 TO 465964-continued

465806. 960. Yemen Arab Republic. Dhamar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465807. 962. Yemen Arab Republic. Dhamar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465808. 963. Yemen Arab Republic. Teck Dhamar. 2450M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465809. 964. Yemen Arab Republic. Teck Dhamar. 2450M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465810. 965. Yemen Arab Republic. Teck Dhamar. 2450M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465811. 966. Yemen Arab Republic. Teck Dhamar. 2450M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465812. 967. Yemen Arab Republic. Teck Dhamar. 2450M. Race durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465813. 968. Yemen Arab Republic. Teck Dhamar. 2450M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white and brown. Cultivated. Seed.
465814. 969. Yemen Arab Republic. Dhamar. 2500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465815. 970. Yemen Arab Republic. Dhamar. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465816. 971. Yemen Arab Republic. Dhamar. 2500M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.

464942 TO 465964-continued

465817. 972. Yemen Arab Republic. Dhamar. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465818. 973. Yemen Arab Republic. Jaharan. 2400M. Race durra. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
465819. 975. Yemen Arab Republic. Dhamar Road. 2620M. Race durra. Head type 9 - broomcorn. Seeds brown. Cultivated. Seed.
465820. 977. Yemen Arab Republic. Dhamar Road. 2620M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465821. 978. Yemen Arab Republic. Dhamar Road. 2450M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465822. 979. Yemen Arab Republic. Dhamar Road. 2450M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465823. 980. Yemen Arab Republic. Dhamar. 2450M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465824. 981. Yemen Arab Republic. Dhamar Road. 2450M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465825. 982. Yemen Arab Republic. Dhamar Road. 2450M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465826. 983. Yemen Arab Republic. Dhamar Road. 2450M. Race durra. Head type 6 - semi-compact, elliptical. Seeds brown. Cultivated. Seed.
465827. 984. Yemen Arab Republic. Dhamar Road. 2450M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465828. 986. Yemen Arab Republic. Ateib Jahran. 2460M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.



464942 TO 465964-continued

465829. 987. Yemen Arab Republic. Ateib Jahran. 2460M. Race durra. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
465830. 988. Yemen Arab Republic. Ateib Jahran. 2460M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
465831. 989. Yemen Arab Republic. Ateib Jahran. 2460M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465832. 991. Yemen Arab Republic. Ateib Jahran. 2460M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465833. 992. Yemen Arab Republic. Jahran. 2460M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465834. 993. Yemen Arab Republic. Jahran. 2460M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465835. 995. Yemen Arab Republic. Jahran. 2450M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465836. 997. Yemen Arab Republic. Darb Dhamar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465837. 1000. Yemen Arab Republic. Darb Dhamar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465838. 1001. Yemen Arab Republic. Adeik Jahran. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465839. 1002. Yemen Arab Republic. Adeik Jahran. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.

464942 TO 465964-continued

465840. 1003. Yemen Arab Republic. Adeik Jahran. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465841. 1004. Yemen Arab Republic. Adeik Jahran. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465842. 1005. Yemen Arab Republic. Adeik Jahran. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465843. 1006. Yemen Arab Republic. Rusaba. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465844. 1007. Yemen Arab Republic. Rusaba. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465845. 1008. Yemen Arab Republic. Rusaba. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465846. 1009. Yemen Arab Republic. Rusaba. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465847. 1010. Yemen Arab Republic. Rusaba. 2400M. Race durra. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
465848. 1011. Yemen Arab Republic. Hasheed. 2500M. Race durra caudatum. Head type - 5 semi-compact, ovate. Seeds white. Cultivated. Seed.
465849. 1012. Yemen Arab Republic. Hasheed. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465850. 1017. Yemen Arab Republic. Hasheed. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.

464942 TO 465964-continued

465851. 1018. Yemen Arab Republic. Hasheed. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465852. 1019. Yemen Arab Republic. Reshab. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465853. 1020. Yemen Arab Republic. Reshab. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465854. 1021. Yemen Arab Republic. Reshab. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465855. 1022. Yemen Arab Republic. Beit Rasheed. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465856. 1023. Yemen Arab Republic. Beit Rasheed. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465857. 1024. Yemen Arab Republic. Beit Rasheed. 2500M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465858. 1025. Yemen Arab Republic. Beit Rasheed. 2500M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465859. 1026. Yemen Arab Republic. Maber Beit Rasheed. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465860. 1027. Yemen Arab Republic. Maber Beit Rasheed. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465861. 1028. Yemen Arab Republic. Maber Beit Rasheed. 2500M. Race durra. Head type 7 - very compact, ovate, flattened

464942 TO 465964-continued

- base, with usually a recurved peduncle. Seeds tan.  
Cultivated. Seed.
465862. 1029. Yemen Arab Republic. Maber Beit Rasheed. 2500M.  
Race durra. Head type 7 - very compact, ovate, flattened  
base, with usually a recurved peduncle. Seeds red.  
Cultivated. Seed.
465863. 1031. Yemen Arab Republic. Rusaba. 2400M. Race durra.  
Head type 7 - very compact, ovate, flattened base, with  
usually a recurved peduncle. Seeds red. Cultivated. Seed.
465864. 1033. Yemen Arab Republic. Maber. 2450M. Race durra.  
Head type 7 - very compact, ovate, flattened base, with  
usually a recurved peduncle. Seeds red and brown.  
Cultivated. Seed.
465865. 1035. Yemen Arab Republic. Al Jeraf Al Asfal. 2300M.  
Race durra. Head type 7 - very compact, ovate, flattened  
base, with usually a recurved peduncle. Seeds white.  
Cultivated. Seed.
465866. 1036. Yemen Arab Republic. Al Jeraf Al Asfal. 2300M.  
Race durra. Head type 7 - very compact, ovate, flattened  
base, with usually a recurved peduncle. Seeds yellow and  
red. Cultivated. Seed.
465867. 1037. Yemen Arab Republic. Al Jeraf Al Asfal. 2300M.  
Race durra. Head type 7 - very compact, ovate, flattened  
base, with usually a recurved peduncle. Seeds white.  
Cultivated. Seed.
465868. 1038. Yemen Arab Republic. Maber. 2400M. Race durra.  
Head type 7 - very compact, ovate, flattened base, with  
usually a recurved peduncle. Seeds white. Cultivated.  
Seed.
465869. 1040. Yemen Arab Republic. Maber. 2400M. Race durra.  
Head type 7 - very compact, ovate, flattened base, with  
usually a recurved peduncle. Seeds white. Cultivated.  
Seed.
465870. 1041. Yemen Arab Republic. Maber. 2400M. Race durra.  
Head type 7 - very compact, ovate, flattened base, with  
usually a recurved peduncle. Seeds yellow. Cultivated.  
Seed.
465871. 1042. Yemen Arab Republic. Maber. 2400M. Race durra.  
Head type 7 - very compact, ovate, flattened base, with  
usually a recurved peduncle. Seeds yellow and white.  
Cultivated. Seed.
465872. 1043. Yemen Arab Republic. Maber. 2400M. Race durra.

464942 TO 465964-continued

- Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465873. 1044. Yemen Arab Republic. Al Jeraf Al Asfal. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465874. 1045. Yemen Arab Republic. Al Jeraf Al Asfal. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465875. 1046. Yemen Arab Republic. Al Jeraf Al Asfal. 2300M. Race durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465876. 1047. Yemen Arab Republic. Al Jeraf Al Asfal. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465877. 1048. Yemen Arab Republic. Rusaba. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465878. 1049. Yemen Arab Republic. Rusaba. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465879. 1050. Yemen Arab Republic. Jahrain. 2400M. Race durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
465880. 1051. Yemen Arab Republic. Jahrain. 2400M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465881. 1052. Yemen Arab Republic. Jahrain. 2400M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465882. 1053. Yemen Arab Republic. Jahrain. 2400M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465883. 1054. Yemen Arab Republic. Jahrain. 2400M. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.

464942 TO 465964-continued

465884. 1055. Yemen Arab Republic. Jahrain. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465885. 1056. Yemen Arab Republic. Jahrain. 2400M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465886. 1057. Yemen Arab Republic. Jahrain. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white and yellow. Cultivated. Seed.
465887. 1058. Yemen Arab Republic. Jahrain. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465888. 1059. Yemen Arab Republic. Bait Al Komari. 2640M. Race caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465889. 1061. Yemen Arab Republic. Al Dalil. 1500M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465890. 1062. Yemen Arab Republic. Al Dalil. 1500M. Race caudatum kafir. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
465891. 1063. Yemen Arab Republic. Yarim. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465892. 1064. Yemen Arab Republic. Yarim. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465893. 1065. Yemen Arab Republic. Yarim. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465894. 1066. Yemen Arab Republic. Yarim. 2600M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465895. 1067. Yemen Arab Republic. Al Dalil. 1500M. Race

464942 TO 465964-continued

- caudatum kafir. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465896. 1068. Yemen Arab Republic. Yarim. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
465897. 1070. Yemen Arab Republic. Dalil. 1500M. Race durra. Head type 4 - semi-compact, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465898. 1071. Yemen Arab Republic. Ashahul. 1500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465899. 1072. Yemen Arab Republic. Al Shofi. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465900. 1073. Yemen Arab Republic. Al Shofi. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465901. 1074. Yemen Arab Republic. Al Shofi. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465902. 1075. Yemen Arab Republic. Al Shofi. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
465903. 1076. Yemen Arab Republic. Al Shofi. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465904. 1077. Yemen Arab Republic. Al Shofi. 1800M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465905. 1078. Yemen Arab Republic. Al Shofi. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465906. 1079. Yemen Arab Republic. Al Shofi Sumara. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white and yellow. Cultivated. Seed.

464942 TO 465964-continued

465907. 1080. Yemen Arab Republic. Al Shofi Sumara. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465908. 1081. Yemen Arab Republic. Al Shofi Sumara. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465909. 1082. Yemen Arab Republic. Sumara. 2700M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
465910. 1083. Yemen Arab Republic. Dalil. 1500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds dark red. Cultivated. Seed.
465911. 1084. Yemen Arab Republic. Dalil. 1500M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465912. 1085a. Yemen Arab Republic. Dalil. 1500M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
465913. 1086. Yemen Arab Republic. Dalil. 1500M. Race kafir. Head type 5 - semi-compact, ovate. Seeds yellow and red. Cultivated. Seed.
465914. 1087. Yemen Arab Republic. Dalil. 1500M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465915. 1088. Yemen Arab Republic. Dalil. 1500M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465916. 1089. Yemen Arab Republic. Sug Al Suwek. 1750M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465917. 1090. Yemen Arab Republic. Sug Al Suwek. 1750M. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465918. 1092. Yemen Arab Republic. Ashahul. 1500M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.



464942 TO 465964-continued

465919. 1093. Yemen Arab Republic. Ashahul. 1500M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465920. 1094. Yemen Arab Republic. Ashahul. 1500M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465921. 1095. Yemen Arab Republic. Suq Al Sabt. 1750M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465922. 1096. Yemen Arab Republic. Ashahul. 1500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
465923. 1097. Yemen Arab Republic. Sha Addaif Erian. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465924. 1098. Yemen Arab Republic. Sha Addaif Erian. 1800M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds brown and red. Cultivated. Seed.
465925. 1099. Yemen Arab Republic. Sha Addaif Erian. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465926. 1100. Yemen Arab Republic. Ashahul. 1500M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown and orange. Cultivated. Seed.
465927. 1102. Yemen Arab Republic. Ashahul. 1500M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
465928. 1103. Yemen Arab Republic. Shab Yafa'a. 1500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow and red. Cultivated. Seed.
465929. 1105. Yemen Arab Republic. Shab Affa. 1500M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow and orange. Cultivated. Seed.
465930. 1106. Yemen Arab Republic. Ashaful. 1500M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow and red. Cultivated. Seed.
465931. 1107. Yemen Arab Republic. Ashaful. 1500M. Race kafir.

464942 TO 465964-continued

- Head type 5 - semi-compact, ovate. Seeds yellow.  
Cultivated. Seed.
465932. 1108. Yemen Arab Republic. Ashaful. 1500M. Race durra.  
Head type 3 - open, elongated, elliptical. Seeds yellow.  
Cultivated. Seed.
465933. 1109. Yemen Arab Republic. Wadi Ashahul. 1500M. Race  
durra. Head type 7 - very compact, ovate, flattened base,  
with usually a recurved peduncle. Seeds yellow.  
Cultivated. Seed.
465934. 1110. Yemen Arab Republic. Wadi Ashahul. 1500M. Race  
kafir. Head type 5 - semi-compact, ovate. Seeds red.  
Cultivated. Seed.
465935. 1111. Yemen Arab Republic. Wadi Ashahul. 1500M. Race  
kafir caudatum. Head type 6 - semi-compact, elliptical.  
Seeds yellow and red. Cultivated. Seed.
465936. 1112. Yemen Arab Republic. Wadi Ashahul. 1500M. Race  
durra. Head type 7 - very compact, ovate, flattened base,  
with usually a recurved peduncle. Seeds red. Cultivated.  
Seed.
465937. 1113. Yemen Arab Republic. Wadi Ashahul. 1500M. Race  
durra kafir. Seeds yellow and tan. Cultivated. Seed.
465938. 1114. Yemen Arab Republic. Wadi Ashahul. 1500M. Race  
durra kafir. Seeds yellow. Cultivated. Seed.
465939. 1115. Yemen Arab Republic. Manwoz Eriyan. 1700M. Race  
caudatum. Head type 4 - semi-open, elongated, elliptical.  
Seeds yellow. Cultivated. Seed.
465940. 1116. Yemen Arab Republic. Dalil Eriyan. 1600M. Race  
kafir. Head type 3 - open, elongated, elliptical. Seeds  
yellow. Cultivated. Seed.
465941. 1117. Yemen Arab Republic. Dalil Eriyan. 1600M. Race  
caudatum. Head type 6 - semi-compact, elliptical. Seeds  
white. Cultivated. Seed.
465942. 1121. Yemen Arab Republic. Al Wobach Dalil Eriyan. 1600M.  
Race caudatum. Head type 6 - semi-compact, elliptical.  
Seeds red. Cultivated. Seed.
465943. 1122. Yemen Arab Republic. Dalil Eriyan. 1600M. Race  
caudatum kafir. Head type 6 - semi-compact, elliptical.  
Seeds yellow and orange. Cultivated. Seed.
465944. 1123. Yemen Arab Republic. Dalil Eriyan. 1600M. Race  
caudatum durra. Head type 7 - very compact, ovate,

464942 TO 465964-continued

- flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465945. 1124. Yemen Arab Republic. Dalil Eriyan. 1600M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465946. 1125. Yemen Arab Republic. Dalil Eriyan. 1600M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds red and yellow. Cultivated. Seed.
465947. 1126. Yemen Arab Republic. Al Wobach Dalil Eriyan. 1600M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds dark red. Cultivated. Seed.
465948. 1127. Yemen Arab Republic. Dalil Eriyan. 1600M. Race caudatum kafir. Head type 6 - semi-compact, elliptical. Seeds light brown. Cultivated. Seed.
465949. 1128. Yemen Arab Republic. Dalil Eriyan. 1600M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
465950. 1129. Yemen Arab Republic. Dalil Eriyan. 1600M. Race durra caudatum. Seeds brown. Cultivated. Seed.
465951. 1130. Yemen Arab Republic. Arab Eriyan. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
465952. 1131. Yemen Arab Republic. Arab Eriyan. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
465953. 1132. Yemen Arab Republic. Arab Eriyan. 1800M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465954. 1133. Yemen Arab Republic. Manuj Dalil Eriyan. 1900M. Race durra bicolor. Head type 6 - semi-compact, elliptical. Seeds yellow and brown. Cultivated. Seed.
465955. 1134a. Yemen Arab Republic. Manuj Dalil Eriyan. 1900M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465956. 1134b. Yemen Arab Republic. Manuj Dalil Eriyan. 1900M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.

**464942 TO 465964-continued**

465957. 1135. Yemen Arab Republic. Manuj Dalil Eriyan. 1900M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
465958. 1136. Yemen Arab Republic. Manuj Dalil Eriyan. 1900M. Race caudatum. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds orange. Cultivated. Seed.
465959. 1139. Yemen Arab Republic. Yana'a Dalil Eriyan. 1800M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
465960. 1140. Yemen Arab Republic. Al Koula. 1500M. Race caudatum durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465961. 1141. Yemen Arab Republic. Al Koula. 1500M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
465962. 1142. Yemen Arab Republic. Eriyan. 2800M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
465963. 1144. Yemen Arab Republic. Eriyan. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
465964. 1145. Yemen Arab Republic. Eriyan. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.

**465965 TO 465977. *Impatiens* sp. (Balsaminaceae).**

From United States. H. F. Winters, Germplasm Resources Laboratory, PGGI, U.S. Department of Agriculture, Beltsville, Maryland. Code numbers refer to H.F. Winters' selection designations.  
Received January 1982.

465965. 79-1. United States. PI 354256 x (PI 349588 x PI 349586). Inflorescences with branched pedicels. Flowers pink-red, medium size. Breeding Material. Plants.
465966. 79-2. United States. PI 349586 x PI 349588. Inflorescences with branched pedicels. Flowers pale lavender with white eye, medium size. Breeding Material. Plants.

465965 TO 465977-continued

465967. 79-3. United States. PI 354254 x PI 349588.  
Inflorescences with branched pedicels. Flowers pale pink,  
large size. Breeding Material. Plants.
465968. 79-4. United States. PI 354256 x PI 349588.  
Inflorescences with branched pedicels. Flowers pale pink  
with dark eye, large size. Breeding Material. Plants.
465969. 79-5. United States. Inflorescences with branched  
pedicels. Flowers lavender, medium size. Breeding  
Material. Plants.
465970. 79-6. United States. PI 354256 x PI 349588.  
Inflorescences with branched pedicels. Flowers light pink  
with dark eye, large size. Breeding Material. Plants.
465971. 79-7. United States. PI 349588 x PI 349586.  
Inflorescences with branched pedicels. Flowers lavender  
with white eye, medium size. Breeding Material. Plants.
465972. 79-8. United States. PI 349588 x PI 349586.  
Inflorescences with branched pedicels. Flowers rose  
lavender, small size. Breeding Material. Plants.
465973. 79-9. United States. PI 349588 x PI 349586.  
Inflorescences with branched pedicels. Flowers lavender  
with white eye, small-medium size. Breeding Material.  
Plants.
465974. 79-10. United States. PI 349588 x 349586. Inflorescences  
with branched pedicels. Flowers pale lavender, small size.  
Breeding Material. Plants.
465975. 79-11. United States. PI 349588 x PI 349586.  
Inflorescences with branched pedicels. Flowers lavender  
with white eye, small size. Breeding Material. Plants.
465976. 79-12. United States. PI 349588 x PI 349586.  
Inflorescences with branched pedicels. Flowers lavender,  
small-medium size. Breeding Material. Plants.
465977. 79-13. United States. PI 349588 x PI 349586.  
Inflorescences with branched pedicels. Flowers lavender  
with white eye, small size. Breeding Material. Plants.

465978. *Ilex x attenuata* Ashe (Aquifoliaceae).

From United States. U.S. National Arboretum, U.S. Department of  
Agriculture, Washington, D. C.  
Received December 1981.

465978-continued

NA 28309. 'Sunny Foster'. United States. Discovered on grounds of National Arboretum in 1964 by W.F. Kosar. Tree evergreen with pale yellow variegated leaves. Similar in leaf shape, size, habit, hardiness, fruiting, and ease of culture to its parent clone 'Foster #2' except for slightly slower growth rate and the genetically stable variegated-leaf trait. Tree. Cultivar. Plants.

465979 TO 466009. *Hordeum spontaneum* K. Koch (Poaceae).

From Germany, Federal Rep of. G. Fischbeck, Technische Universität München, Lehrstuhl für Pflanzenbau und Pflanzenzüchtung, 8050 Freising - Weihenstephan.  
Received January 1982.

- 465979. Israel. RS-43-43. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465980. Israel. 1-B-019. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465981. Israel. 4-B-005. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465982. Israel. RS-133-23. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465983. Israel. 7-B-006. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465984. Israel. RS-82-34. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465985. Israel. RS-122-44. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465986. Israel. RS-42-6. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465987. Israel. RS-91A-27. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465988. Israel. RS-71-1. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465989. Israel. RS-81B-8. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465990. Israel. RS-1-8. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465991. Israel. 7-B-005. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
- 465992. Israel. RS-70-33. Resistant to *Erysiphe graminis hordei*

465979 TO 466009-continued

- in Germany and Israel. Wild. Breeding Material. Seed.
465993. Israel. 1-B-086. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
465994. Israel. 1-B-42. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
465995. Israel. 1-B-87. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
465996. Israel. 1-B-018. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
465997. Israel. RS-170-45. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
465998. Israel. RS-137-28. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
465999. Israel. 2-B-20. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
466000. Israel. RS-164-9. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
466001. Israel. RS-70-30. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
466002. Israel. RS-136-16. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
466003. Israel. RS-90-27. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
466004. Israel. RS-81A-4. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
466005. Israel. RS-71-8. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
466006. Israel. 14-C-008. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
466007. Israel. RS-90-22. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
466008. Israel. RS-131-42. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.
466009. Israel. RS-150-7. Resistant to *Erysiphe graminis hordei* in Germany and Israel. Wild. Breeding Material. Seed.

466010 TO 466239. *Hordeum spontaneum* K. Koch (Poaceae).

From Canada. S. Jana, Crop Science Department, University of Saskatchewan, Saskatoon. Received through 1978 Plant Exploration in Syria. Code numbers refer to site codes. Received January 1982.

- 466010. Ea-4. Syria. Wild. Seed.
- 466011. Ea-5. Syria. Wild. Seed.
- 466012. Ea-10. Syria. Wild. Seed.
- 466013. Ea-12. Syria. Wild. Seed.
- 466014. Ea-16. Syria. Wild. Seed.
- 466015. Ea-19. Syria. Wild. Seed.
- 466016. Ea-20. Syria. Wild. Seed.
- 466017. Ea-21. Syria. Wild. Seed.
- 466018. Ea-22. Syria. Wild. Seed.
- 466019. Ea-24. Syria. Wild. Seed.
- 466020. Ea-25. Syria. Wild. Seed.
- 466021. Ea-28. Syria. Wild. Seed.
- 466022. Ea-29. Syria. Wild. Seed.
- 466023. Ea-30. Syria. Wild. Seed.
- 466024. Ea-31. Syria. Wild. Seed.
- 466025. Ea-35. Syria. Wild. Seed.
- 466026. Ea-36. Syria. Wild. Seed.
- 466027. Ea-41. Syria. Wild. Seed.
- 466028. Ea-43. Syria. Wild. Seed.
- 466029. Ea-51. Syria. Wild. Seed.
- 466030. Ea-54. Syria. Wild. Seed.
- 466031. Ea-57. Syria. Wild. Seed.
- 466032. Ea-65. Syria. Wild. Seed.
- 466033. Ea-75. Syria. Wild. Seed.



466010 TO 466239-continued

- 466034. Ea-84. Syria. Wild. Seed.
- 466035. Ea-85. Syria. Wild. Seed.
- 466036. Ea-89. Syria. Wild. Seed.
- 466037. Ea-91. Syria. Wild. Seed.
- 466038. Ea-97. Syria. Wild. Seed.
- 466039. Ea-100. Syria. Wild. Seed.
- 466040. Eb-1. Syria. Wild. Seed.
- 466041. Eb-6. Syria. Wild. Seed.
- 466042. Eb-23. Syria. Wild. Seed.
- 466043. Eb-36. Syria. Wild. Seed.
- 466044. Eb-37. Syria. Wild. Seed.
- 466045. Eb-49. Syria. Wild. Seed.
- 466046. Eb-56. Syria. Wild. Seed.
- 466047. Eb-63. Syria. Wild. Seed.
- 466048. Eb-64. Syria. Wild. Seed.
- 466049. Eb-68. Syria. Wild. Seed.
- 466050. Eb-76. Syria. Wild. Seed.
- 466051. Eb-77. Syria. Wild. Seed.
- 466052. Eb-78. Syria. Wild. Seed.
- 466053. Eb-79. Syria. Wild. Seed.
- 466054. Eb-84. Syria. Wild. Seed.
- 466055. Eb-85. Syria. Wild. Seed.
- 466056. Eb-87. Syria. Wild. Seed.
- 466057. Eb-95. Syria. Wild. Seed.
- 466058. Eb-97. Syria. Wild. Seed.
- 466059. Eb-100. Syria. Wild. Seed.

466010 TO 466239-continued

466060. Eb-103. Syria. Wild. Seed.  
466061. Eb-106. Syria. Wild. Seed.  
466062. Eb-108. Syria. Wild. Seed.  
466063. Eb-111. Syria. Wild. Seed.  
466064. Eb-116. Syria. Wild. Seed.  
466065. Eb-118. Syria. Wild. Seed.  
466066. Eb-120. Syria. Wild. Seed.  
466067. Eb-121. Syria. Wild. Seed.  
466068. Eb-145. Syria. Wild. Seed.  
466069. Eb-168. Syria. Wild. Seed.  
466070. BL-1. Syria. Wild. Seed.  
466071. BL-2. Syria. Wild. Seed.  
466072. BL-4. Syria. Wild. Seed.  
466073. BL-7. Syria. Wild. Seed.  
466074. BL-12. Syria. Wild. Seed.  
466075. BL-20. Syria. Wild. Seed.  
466076. BL-21. Syria. Wild. Seed.  
466077. BL-22. Syria. Wild. Seed.  
466078. BL-24. Syria. Wild. Seed.  
466079. BL-25. Syria. Wild. Seed.  
466080. BL-31. Syria. Wild. Seed.  
466081. BL-33. Syria. Wild. Seed.  
466082. BL-34. Syria. Wild. Seed.  
466083. BL-37. Syria. Wild. Seed.  
466084. BL-38. Syria. Wild. Seed.  
466085. BL-40. Syria. Wild. Seed.

466010 TO 466239-continued

466086. BL-41. Syria. Wild. Seed.  
466087. BL-46. Syria. Wild. Seed.  
466088. BL-47. Syria. Wild. Seed.  
466089. BL-48. Syria. Wild. Seed.  
466090. BL-51. Syria. Wild. Seed.  
466091. BL-56. Syria. Wild. Seed.  
466092. BL-61. Syria. Wild. Seed.  
466093. BL-64. Syria. Wild. Seed.  
466094. BL-69. Syria. Wild. Seed.  
466095. BL-70. Syria. Wild. Seed.  
466096. BL-72. Syria. Wild. Seed.  
466097. BL-77. Syria. Wild. Seed.  
466098. BL-81. Syria. Wild. Seed.  
466099. BL-83. Syria. Wild. Seed.  
466100. BR-6. Syria. Wild. Seed.  
466101. BR-7. Syria. Wild. Seed.  
466102. BR-8. Syria. Wild. Seed.  
466103. BR-9. Syria. Wild. Seed.  
466104. BR-10. Syria. Wild. Seed.  
466105. BR-11. Syria. Wild. Seed.  
466106. BR-12. Syria. Wild. Seed.  
466107. BR-13. Syria. Wild. Seed.  
466108. BR-15. Syria. Wild. Seed.  
466109. BR-16. Syria. Wild. Seed.  
466110. BR-20. Syria. Wild. Seed.  
466111. BR-22. Syria. Wild. Seed.

466010 TO 466239-continued

466112. BR-23. Syria. Wild. Seed.  
466113. BR-24. Syria. Wild. Seed.  
466114. BR-25. Syria. Wild. Seed.  
466115. BR-28. Syria. Wild. Seed.  
466116. BR-30. Syria. Wild. Seed.  
466117. BR-31. Syria. Wild. Seed.  
466118. BR-33. Syria. Wild. Seed.  
466119. BR-34. Syria. Wild. Seed.  
466120. BR-39. Syria. Wild. Seed.  
466121. BR-60. Syria. Wild. Seed.  
466122. BR-70. Syria. Wild. Seed.  
466123. BR-74. Syria. Wild. Seed.  
466124. BR-79. Syria. Wild. Seed.  
466125. BR-80. Syria. Wild. Seed.  
466126. BR-85. Syria. Wild. Seed.  
466127. BR-87. Syria. Wild. Seed.  
466128. BR-90. Syria. Wild. Seed.  
466129. BR-95. Syria. Wild. Seed.  
466130. CL-1. Syria. Wild. Seed.  
466131. CL-2. Syria. Wild. Seed.  
466132. CL-3. Syria. Wild. Seed.  
466133. CL-4. Syria. Wild. Seed.  
466134. CL-9. Syria. Wild. Seed.  
466135. CL-10. Syria. Wild. Seed.  
466136. CL-11. Syria. Wild. Seed.  
466137. CL-13. Syria. Wild. Seed.

466010 TO 466239-continued

466138. CL-14. Syria. Wild. Seed.  
466139. CL-15. Syria. Wild. Seed.  
466140. CL-16. Syria. Wild. Seed.  
466141. CL-18. Syria. Wild. Seed.  
466142. CL-20. Syria. Wild. Seed.  
466143. CL-22. Syria. Wild. Seed.  
466144. CL-23. Syria. Wild. Seed.  
466145. CL-24. Syria. Wild. Seed.  
466146. CL-26. Syria. Wild. Seed.  
466147. CL-27. Syria. Wild. Seed.  
466148. CL-34. Syria. Wild. Seed.  
466149. CL-35. Syria. Wild. Seed.  
466150. CL-40. Syria. Wild. Seed.  
466151. CL-42. Syria. Wild. Seed.  
466152. CL-43. Syria. Wild. Seed.  
466153. CL-45. Syria. Wild. Seed.  
466154. CL-46. Syria. Wild. Seed.  
466155. CL-47. Syria. Wild. Seed.  
466156. CL-50. Syria. Wild. Seed.  
466157. D-32. Syria. Wild. Seed.  
466158. D-33. Syria. Wild. Seed.  
466159. D-34. Syria. Wild. Seed.  
466160. D-39. Syria. Wild. Seed.  
466161. D-43. Syria. Wild. Seed.  
466162. D-58. Syria. Wild. Seed.  
466163. D-85. Syria. Wild. Seed.

466010 TO 466239-continued

466164. D-86. Syria. Wild. Seed.  
466165. D-89. Syria. Wild. Seed.  
466166. D-90. Syria. Wild. Seed.  
466167. D-94. Syria. Wild. Seed.  
466168. D-99. Syria. Wild. Seed.  
466169. D-101. Syria. Wild. Seed.  
466170. D-102. Syria. Wild. Seed.  
466171. D-104. Syria. Wild. Seed.  
466172. D-106. Syria. Wild. Seed.  
466173. D-113. Syria. Wild. Seed.  
466174. D-114. Syria. Wild. Seed.  
466175. D-115. Syria. Wild. Seed.  
466176. D-116. Syria. Wild. Seed.  
466177. D-117. Syria. Wild. Seed.  
466178. D-118. Syria. Wild. Seed.  
466179. D-121. Syria. Wild. Seed.  
466180. D-129. Syria. Wild. Seed.  
466181. D-130. Syria. Wild. Seed.  
466182. D-135. Syria. Wild. Seed.  
466183. D-139. Syria. Wild. Seed.  
466184. D-159. Syria. Wild. Seed.  
466185. D-190. Syria. Wild. Seed.  
466186. D-203. Syria. Wild. Seed.  
466187. G-1. Syria. Wild. Seed.  
466188. G-10. Syria. Wild. Seed.  
466189. G-11. Syria. Wild. Seed.

466010 TO 466239-continued

466190. G-12. Syria. Wild. Seed.  
466191. G-13. Syria. Wild. Seed.  
466192. G-16. Syria. Wild. Seed.  
466193. G-17. Syria. Wild. Seed.  
466194. G-19. Syria. Wild. Seed.  
466195. G-20. Syria. Wild. Seed.  
466196. G-21. Syria. Wild. Seed.  
466197. G-26. Syria. Wild. Seed.  
466198. G-32. Syria. Wild. Seed.  
466199. G-33. Syria. Wild. Seed.  
466200. G-34. Syria. Wild. Seed.  
466201. G-36. Syria. Wild. Seed.  
466202. G-43. Syria. Wild. Seed.  
466203. G-46. Syria. Wild. Seed.  
466204. G-50. Syria. Wild. Seed.  
466205. G-51. Syria. Wild. Seed.  
466206. G-55. Syria. Wild. Seed.  
466207. G-61. Syria. Wild. Seed.  
466208. G-62. Syria. Wild. Seed.  
466209. G-63. Syria. Wild. Seed.  
466210. G-74. Syria. Wild. Seed.  
466211. G-88. Syria. Wild. Seed.  
466212. G-99. Syria. Wild. Seed.  
466213. G-104. Syria. Wild. Seed.  
466214. G-121. Syria. Wild. Seed.  
466215. G-123. Syria. Wild. Seed.

466010 TO 466239-continued

466216. G-124. Syria. Wild. Seed.  
466217. H-14. Syria. Wild. Seed.  
466218. H-25. Syria. Wild. Seed.  
466219. H-33. Syria. Wild. Seed.  
466220. H-36. Syria. Wild. Seed.  
466221. H-38. Syria. Wild. Seed.  
466222. H-43. Syria. Wild. Seed.  
466223. H-45. Syria. Wild. Seed.  
466224. H-46. Syria. Wild. Seed.  
466225. H-47. Syria. Wild. Seed.  
466226. H-48. Syria. Wild. Seed.  
466227. H-49. Syria. Wild. Seed.  
466228. H-50. Syria. Wild. Seed.  
466229. H-53. Syria. Wild. Seed.  
466230. H-54. Syria. Wild. Seed.  
466231. H-63. Syria. Wild. Seed.  
466232. H-69. Syria. Wild. Seed.  
466233. H-70. Syria. Wild. Seed.  
466234. H-71. Syria. Wild. Seed.  
466235. H-73. Syria. Wild. Seed.  
466236. H-74. Syria. Wild. Seed.  
466237. H-75. Syria. Wild. Seed.  
466238. H-81. Syria. Wild. Seed.  
466239. H-94. Syria. Wild. Seed.

466240 TO 466248. *Hordeum spontaneum* K. Koch (Poaceae).

From Israel. Y. Anikster, Department of Botany, Tel-Aviv



466240 TO 466248-continued  
University, Tel-Aviv.  
Received January 1982.

- 466240. 2705. Israel. Slow rusting type. Wild. Breeding Material. Seed.
- 466241. 2728. Israel. Slow rusting type. Wild. Breeding Material. Seed.
- 466242. 2765. Israel. Slow rusting type. Wild. Breeding Material. Seed.
- 466243. 2957. Israel. Slow rusting type. Wild. Breeding Material. Seed.
- 466244. 3151. Israel. Slow rusting type. Wild. Breeding Material. Seed.
- 466245. 3157. Israel. Slow rusting type. Wild. Breeding Material. Seed.
- 466246. 3160. Israel. Slow rusting type. Wild. Breeding Material. Seed.
- 466247. 3161-2. Israel. Slow rusting type. Wild. Breeding Material. Seed.
- 466248. 3168. Israel. Slow rusting type. Wild. Breeding Material. Seed.

466249 TO 466702. *Hordeum spontaneum* K. Koch (Poaceae).

From Israel. E. Nevo and D. Zohary, Institute of Evolution, University of Haifa and Department of Genetics, Hebrew University, Haifa and Jerusalem. Received through Binational Science Foundation Project 1841. Received January 1982.

- 466249. 6. Israel. Mt. Hermon. Wild. Seed.
- 466250. 7. Israel. Mt. Hermon. Wild. Seed.
- 466251. 8. Israel. Mt. Hermon. Wild. Seed.
- 466252. 10. Israel. Mt. Hermon. Wild. Seed.
- 466253. 12. Israel. Mt. Hermon. Wild. Seed.
- 466254. 13. Israel. Mt. Hermon. Wild. Seed.
- 466255. 19. Israel. Mt. Hermon. Wild. Seed.

466249 TO 466702-continued

466256. 20. Israel. Mt. Hermon. Wild. Seed.  
466257. 23. Israel. Mt. Hermon. Wild. Seed.  
466258. 24. Israel. Mt. Hermon. Wild. Seed.  
466259. 25. Israel. Mt. Hermon. Wild. Seed.  
466260. 26. Israel. Mt. Hermon. Wild. Seed.  
466261. 27. Israel. Mt. Hermon. Wild. Seed.  
466262. 31. Israel. Mt. Hermon. Wild. Seed.  
466263. 32. Israel. Mt. Hermon. Wild. Seed.  
466264. 33. Israel. Mt. Hermon. Wild. Seed.  
466265. 34. Israel. Mt. Hermon. Wild. Seed.  
466266. 35. Israel. Mt. Hermon. Wild. Seed.  
466267. 36. Israel. Mt. Hermon. Wild. Seed.  
466268. 37. Israel. Mt. Hermon. Wild. Seed.  
466269. 38. Israel. Mt. Hermon. Wild. Seed.  
466270. 39. Israel. Mt. Hermon. Wild. Seed.  
466271. 13. Israel. Damon. Wild. Seed.  
466272. 22. Israel. Damon. Wild. Seed.  
466273. 36. Israel. Damon. Wild. Seed.  
466274. 44. Israel. Damon. Wild. Seed.  
466275. 45. Israel. Damon. Wild. Seed.  
466276. 47. Israel. Damon. Wild. Seed.  
466277. 48. Israel. Damon. Wild. Seed.  
466278. 49. Israel. Damon. Wild. Seed.  
466279. 55. Israel. Damon. Wild. Seed.  
466280. 2. Israel. Eyzariya. Wild. Seed.  
466281. 3. Israel. Eyzariya. Wild. Seed.

466249 TO 466702-continued

466282. 4. Israel. Eyzariya. Wild. Seed.  
466283. 5. Israel. Eyzariya. Wild. Seed.  
466284. 7. Israel. Eyzariya. Wild. Seed.  
466285. 9. Israel. Eyzariya. Wild. Seed.  
466286. 10. Israel. Eyzariya. Wild. Seed.  
466287. 11. Israel. Eyzariya. Wild. Seed.  
466288. 13. Israel. Eyzariya. Wild. Seed.  
466289. 17. Israel. Eyzariya. Wild. Seed.  
466290. 19. Israel. Eyzariya. Wild. Seed.  
466291. 20. Israel. Eyzariya. Wild. Seed.  
466292. 25. Israel. Eyzariya. Wild. Seed.  
466293. 29. Israel. Eyzariya. Wild. Seed.  
466294. 30. Israel. Eyzariya. Wild. Seed.  
466295. 32. Israel. Eyzariya. Wild. Seed.  
466296. 33. Israel. Eyzariya. Wild. Seed.  
466297. 35. Israel. Eyzariya. Wild. Seed.  
466298. 36. Israel. Eyzariya. Wild. Seed.  
466299. 37. Israel. Eyzariya. Wild. Seed.  
466300. 39. Israel. Eyzariya. Wild. Seed.  
466301. 40. Israel. Eyzariya. Wild. Seed.  
466302. 41. Israel. Eyzariya. Wild. Seed.  
466303. 42. Israel. Eyzariya. Wild. Seed.  
466304. 43. Israel. Eyzariya. Wild. Seed.  
466305. 1. Israel. Bor Mashash. Wild. Seed.  
466306. 3. Israel. Bor Mashash. Wild. Seed.  
466307. 9. Israel. Bor Mashash. Wild. Seed.

466249 TO 466702-continued

466308. 12. Israel. Bor Mashash. Wild. Seed.  
466309. 22. Israel. Bor Mashash. Wild. Seed.  
466310. 27. Israel. Bor Mashash. Wild. Seed.  
466311. 38. Israel. Bor Mashash. Wild. Seed.  
466312. 43. Israel. Bor Mashash. Wild. Seed.  
466313. 44. Israel. Bor Mashash. Wild. Seed.  
466314. 49. Israel. Bor Mashash. Wild. Seed.  
466315. 52. Israel. Bor Mashash. Wild. Seed.  
466316. 2. Israel. Atlit. Wild. Seed.  
466317. 3. Israel. Atlit. Wild. Seed.  
466318. 4. Israel. Atlit. Wild. Seed.  
466319. 5. Israel. Atlit. Wild. Seed.  
466320. 6. Israel. Atlit. Wild. Seed.  
466321. 7. Israel. Atlit. Wild. Seed.  
466322. 8. Israel. Atlit. Wild. Seed.  
466323. 9. Israel. Atlit. Wild. Seed.  
466324. 10. Israel. Atlit. Wild. Seed.  
466325. 11. Israel. Atlit. Wild. Seed.  
466326. 13. Israel. Atlit. Wild. Seed.  
466327. 15. Israel. Atlit. Wild. Seed.  
466328. 16. Israel. Atlit. Wild. Seed.  
466329. 17. Israel. Atlit. Wild. Seed.  
466330. 18. Israel. Atlit. Wild. Seed.  
466331. 19. Israel. Atlit. Wild. Seed.  
466332. 20. Israel. Atlit. Wild. Seed.  
466333. 21. Israel. Atlit. Wild. Seed.

466249 TO 466702-continued

466334. 22. Israel. Atlit. Wild. Seed.  
466335. 23. Israel. Atlit. Wild. Seed.  
466336. 24. Israel. Atlit. Wild. Seed.  
466337. 25. Israel. Atlit. Wild. Seed.  
466338. 26. Israel. Atlit. Wild. Seed.  
466339. 28. Israel. Atlit. Wild. Seed.  
466340. 29. Israel. Atlit. Wild. Seed.  
466341. 30. Israel. Atlit. Wild. Seed.  
466342. 31. Israel. Atlit. Wild. Seed.  
466343. 34. Israel. Atlit. Wild. Seed.  
466344. 36. Israel. Atlit. Wild. Seed.  
466345. 37. Israel. Atlit. Wild. Seed.  
466346. 1. Israel. Ashqelon. Wild. Seed.  
466347. 2. Israel. Ashqelon. Wild. Seed.  
466348. 3. Israel. Ashqelon. Wild. Seed.  
466349. 5. Israel. Ashqelon. Wild. Seed.  
466350. 6. Israel. Ashqelon. Wild. Seed.  
466351. 8. Israel. Ashqelon. Wild. Seed.  
466352. 9. Israel. Ashqelon. Wild. Seed.  
466353. 10. Israel. Ashqelon. Wild. Seed.  
466354. 11. Israel. Ashqelon. Wild. Seed.  
466355. 12. Israel. Ashqelon. Wild. Seed.  
466356. 14. Israel. Ashqelon. Wild. Seed.  
466357. 15. Israel. Ashqelon. Wild. Seed.  
466358. 17. Israel. Ashqelon. Wild. Seed.  
466359. 19. Israel. Ashqelon. Wild. Seed.

466249 TO 466702-continued

466360. 20. Israel. Ashqelon. Wild. Seed.  
466361. 21. Israel. Ashqelon. Wild. Seed.  
466362. 22. Israel. Ashqelon. Wild. Seed.  
466363. 24. Israel. Ashqelon. Wild. Seed.  
466364. 25. Israel. Ashqelon. Wild. Seed.  
466365. 27. Israel. Ashqelon. Wild. Seed.  
466366. 31. Israel. Ashqelon. Wild. Seed.  
466367. 32. Israel. Ashqelon. Wild. Seed.  
466368. 33. Israel. Ashqelon. Wild. Seed.  
466369. 35. Israel. Ashqelon. Wild. Seed.  
466370. 36. Israel. Ashqelon. Wild. Seed.  
466371. 37. Israel. Ashqelon. Wild. Seed.  
466372. 39. Israel. Ashqulon. Wild. Seed.  
466373. 40. Israel. Ashqulon. Wild. Seed.  
466374. 41. Israel. Ashqulon. Wild. Seed.  
466375. 43. Israel. Ashqulon. Wild. Seed.  
466376. 1. Israel. Jerico - Plain. Wild. Seed.  
466377. 2. Israel. Jerico - Plain. Wild. Seed.  
466378. 3. Israel. Jerico - Plain. Wild. Seed.  
466379. 4. Israel. Jerico - Plain. Wild. Seed.  
466380. 5. Israel. Jerico - Plain. Wild. Seed.  
466381. 6. Israel. Jerico - Plain. Wild. Seed.  
466382. 7. Israel. Jerico - Plain. Wild. Seed.  
466383. 10. Israel. Jerico - Plain. Wild. Seed.  
466384. 11. Israel. Jerico - Plain. Wild. Seed.  
466385. 13. Israel. Jerico - Plain. Wild. Seed.

466249 TO 466702-continued

- 466386. 14. Israel. Jerico - Plain. Wild. Seed.
- 466387. 15. Israel. Jerico - Plain. Wild. Seed.
- 466388. 16. Israel. Jerico - Plain. Wild. Seed.
- 466389. 17. Israel. Jerico - Plain. Wild. Seed.
- 466390. 18. Israel. Jerico - Plain. Wild. Seed.
- 466391. 19. Israel. Jerico - Plain. Wild. Seed.
- 466392. 1. Israel. Tabigha. Wild. Seed.
- 466393. 3. Israel. Tabigha. Wild. Seed.
- 466394. 4. Israel. Tabigha. Wild. Seed.
- 466395. 6. Israel. Tabigha. Wild. Seed.
- 466396. 7. Israel. Tabigha. Wild. Seed.
- 466397. 8. Israel. Tabigha. Wild. Seed.
- 466398. 9. Israel. Tabigha. Wild. Seed.
- 466399. 11. Israel. Tabigha. Wild. Seed.
- 466400. 12. Israel. Tabigha. Wild. Seed.
- 466401. 14. Israel. Tabigha. Wild. Seed.
- 466402. 18. Israel. Tabigha. Wild. Seed.
- 466403. 20. Israel. Tabigha. Wild. Seed.
- 466404. 21. Israel. Tabigha. Wild. Seed.
- 466405. 22. Israel. Tabigha. Wild. Seed.
- 466406. 23. Israel. Tabigha. Wild. Seed.
- 466407. 24. Israel. Tabigha. Wild. Seed.
- 466408. 25. Israel. Tabigha. Wild. Seed.
- 466409. 26. Israel. Tabigha. Wild. Seed.
- 466410. 27. Israel. Tabigha. Wild. Seed.
- 466411. 28. Israel. Tabigha. Wild. Seed.

466249 TO 466702-continued

- 466412. 29. Israel. Tabigha. Wild. Seed.
- 466413. 30. Israel. Tabigha. Wild. Seed.
- 466414. 31. Israel. Tabigha. Wild. Seed.
- 466415. 32. Israel. Tabigha. Wild. Seed.
- 466416. 33. Israel. Tabigha. Wild. Seed.
- 466417. 34. Israel. Tabigha. Wild. Seed.
- 466418. 35. Israel. Tabigha. Wild. Seed.
- 466419. 37. Israel. Tabigha. Wild. Seed.
- 466420. 38. Israel. Tabigha. Wild. Seed.
- 466421. 1. Israel. Mehola. Wild. Seed.
- 466422. 2. Israel. Mehola. Wild. Seed.
- 466423. 4. Israel. Mehola. Wild. Seed.
- 466424. 5. Israel. Mehola. Wild. Seed.
- 466425. 6. Israel. Mehola. Wild. Seed.
- 466426. 8. Israel. Mehola. Wild. Seed.
- 466427. 9. Israel. Mehola. Wild. Seed.
- 466428. 12. Israel. Mehola. Wild. Seed.
- 466429. 14. Israel. Mehola. Wild. Seed.
- 466430. 15. Israel. Mehola. Wild. Seed.
- 466431. 16. Israel. Mehola. Wild. Seed.
- 466432. 18. Israel. Mehola. Wild. Seed.
- 466433. 19. Israel. Mehola. Wild. Seed.
- 466434. 20. Israel. Mehola. Wild. Seed.
- 466435. 21. Israel. Mehola. Wild. Seed.
- 466436. 22. Israel. Mehola. Wild. Seed.
- 466437. 24. Israel. Mehola. Wild. Seed.



466249 TO 466702-continued

466438. 25. Israel. Mehola. Wild. Seed.  
466439. 26. Israel. Mehola. Wild. Seed.  
466440. 28. Israel. Mehola. Wild. Seed.  
466441. 29. Israel. Mehola. Wild. Seed.  
466442. 30. Israel. Mehola. Wild. Seed.  
466443. 31. Israel. Mehola. Wild. Seed.  
466444. 32. Israel. Mehola. Wild. Seed.  
466445. 35. Israel. Mehola. Wild. Seed.  
466446. 1. Israel. Rosh Pinna. Wild. Seed.  
466447. 2. Israel. Rosh Pinna. Wild. Seed.  
466448. 3. Israel. Rosh Pinna. Wild. Seed.  
466449. 4. Israel. Rosh Pinna. Wild. Seed.  
466450. 5. Israel. Rosh Pinna. Wild. Seed.  
466451. 8. Israel. Rosh Pinna. Wild. Seed.  
466452. 11. Israel. Rosh Pinna. Wild. Seed.  
466453. 14. Israel. Rosh Pinna. Wild. Seed.  
466454. 16. Israel. Rosh Pinna. Wild. Seed.  
466455. 41. Israel. Rosh Pinna. Wild. Seed.  
466456. 18. Israel. Rosh Pinna. Wild. Seed.  
466457. 19. Israel. Rosh Pinna. Wild. Seed.  
466458. 22. Israel. Rosh Pinna. Wild. Seed.  
466459. 24. Israel. Rosh Pinna. Wild. Seed.  
466460. 26. Israel. Rosh Pinna. Wild. Seed.  
466461. 29. Israel. Rosh Pinna. Wild. Seed.  
466462. 30. Israel. Rosh Pinna. Wild. Seed.  
466463. 33. Israel. Rosh Pinna. Wild. Seed.

466249 TO 466702-continued

- 466464. 37. Israel. Rosh Pinna. Wild. Seed.
- 466465. 38. Israel. Rosh Pinna. Wild. Seed.
- 466466. 39. Israel. Rosh Pinna. Wild. Seed.
- 466467. 1. Israel. Gadot. Wild. Seed.
- 466468. 3. Israel. Gadot. Wild. Seed.
- 466469. 5. Israel. Gadot. Wild. Seed.
- 466470. 6. Israel. Gadot. Wild. Seed.
- 466471. 7. Israel. Gadot. Wild. Seed.
- 466472. 8. Israel. Gadot. Wild. Seed.
- 466473. 9. Israel. Gadot. Wild. Seed.
- 466474. 10. Israel. Gadot. Wild. Seed.
- 466475. 11. Israel. Gadot. Wild. Seed.
- 466476. 12. Israel. Gadot. Wild. Seed.
- 466477. 13. Israel. Gadot. Wild. Seed.
- 466478. 14. Israel. Gadot. Wild. Seed.
- 466479. 15. Israel. Gadot. Wild. Seed.
- 466480. 16. Israel. Gadot. Wild. Seed.
- 466481. 17. Israel. Gadot. Wild. Seed.
- 466482. 18. Israel. Gadot. Wild. Seed.
- 466483. 19. Israel. Gadot. Wild. Seed.
- 466484. 20. Israel. Gadot. Wild. Seed.
- 466485. 21. Israel. Gadot. Wild. Seed.
- 466486. 22. Israel. Gadot. Wild. Seed.
- 466487. 23. Israel. Gadot. Wild. Seed.
- 466488. 24. Israel. Gadot. Wild. Seed.
- 466489. 25. Israel. Gadot. Wild. Seed.

466249 TO 466702-continued

- 466490. 26. Israel. Gadot. Wild. Seed.
- 466491. 1. Israel. Mt. Meron. Wild. Seed.
- 466492. 40. Israel. Mt. Meron. Wild. Seed.
- 466493. 5. Israel. Mt. Meron. Wild. Seed.
- 466494. 6. Israel. Mt. Meron. Wild. Seed.
- 466495. 41. Israel. Mt. Meron. Wild. Seed.
- 466496. 9. Israel. Mt. Meron. Wild. Seed.
- 466497. 12. Israel. Mt. Meron. Wild. Seed.
- 466498. 15. Israel. Mt. Meron. Wild. Seed.
- 466499. 16. Israel. Mt. Meron. Wild. Seed.
- 466500. 19. Israel. Mt. Meron. Wild. Seed.
- 466501. 21. Israel. Mt. Meron. Wild. Seed.
- 466502. 23. Israel. Mt. Meron. Wild. Seed.
- 466503. 25. Israel. Mt. Meron. Wild. Seed.
- 466504. 48. Israel. Mt. Meron. Wild. Seed.
- 466505. 28. Israel. Mt. Meron. Wild. Seed.
- 466506. 31. Israel. Mt. Meron. Wild. Seed.
- 466507. 43. Israel. Mt. Meron. Wild. Seed.
- 466508. 34. Israel. Mt. Meron. Wild. Seed.
- 466509. 35. Israel. Mt. Meron. Wild. Seed.
- 466510. 46. Israel. Mt. Meron. Wild. Seed.
- 466511. 37. Israel. Mt. Meron. Wild. Seed.
- 466512. 39. Israel. Mt. Meron. Wild. Seed.
- 466513. 8. Israel. Beit Shean. Wild. Seed.
- 466514. 10. Israel. Beit Shean. Wild. Seed.
- 466515. 12. Israel. Beit Shean. Wild. Seed.

466249 TO 466702-continued

466516. 15. Israel. Beit Shean. Wild. Seed.  
466517. 16. Israel. Beit Shean. Wild. Seed.  
466518. 18. Israel. Beit Shean. Wild. Seed.  
466519. 19. Israel. Beit Shean. Wild. Seed.  
466520. 27. Israel. Beit Shean. Wild. Seed.  
466521. 29. Israel. Beit Shean. Wild. Seed.  
466522. 33. Israel. Beit Shean. Wild. Seed.  
466523. 34. Israel. Beit Shean. Wild. Seed.  
466524. 36. Israel. Beit Shean. Wild. Seed.  
466525. 37. Israel. Beit Shean. Wild. Seed.  
466526. 38. Israel. Beit Shean. Wild. Seed.  
466527. 44. Israel. Beit Shean. Wild. Seed.  
466528. 47. Israel. Beit Shean. Wild. Seed.  
466529. 49. Israel. Beit Shean. Wild. Seed.  
466530. 4. Israel. Bar Giyyora. Wild. Seed.  
466531. 5. Israel. Bar Giyyora. Wild. Seed.  
466532. 7. Israel. Bar Giyyora. Wild. Seed.  
466533. 17. Israel. Bar Giyyora. Wild. Seed.  
466534. 19. Israel. Bar Giyyora. Wild. Seed.  
466535. 20. Israel. Bar Giyyora. Wild. Seed.  
466536. 21. Israel. Bar Giyyora. Wild. Seed.  
466537. 24. Israel. Bar Giyyora. Wild. Seed.  
466538. 26. Israel. Bar Giyyora. Wild. Seed.  
466539. 28. Israel. Bar Giyyora. Wild. Seed.  
466540. 30. Israel. Bar Giyyora. Wild. Seed.  
466541. 31. Israel. Bar Giyyora. Wild. Seed.

466249 TO 466702-continued

- 466542. 32. Israel. Bar Giyyora. Wild. Seed.
- 466543. 34. Israel. Bar Giyyora. Wild. Seed.
- 466544. 40. Israel. Bar Giyyora. Wild. Seed.
- 466545. 3. Israel. Wadi Qilt. Wild. Seed.
- 466546. 8. Israel. Wadi Qilt. Wild. Seed.
- 466547. 23. Israel. Wadi Qilt. Wild. Seed.
- 466548. 28. Israel. Wadi Qilt. Wild. Seed.
- 466549. 29. Israel. Wadi Qilt. Wild. Seed.
- 466550. 30. Israel. Wadi Qilt. Wild. Seed.
- 466551. 32. Israel. Wadi Qilt. Wild. Seed.
- 466552. 33. Israel. Wadi Qilt. Wild. Seed.
- 466553. 35. Israel. Wadi Qilt. Wild. Seed.
- 466554. 37. Israel. Wadi Qilt. Wild. Seed.
- 466555. 38. Israel. Wadi Qilt. Wild. Seed.
- 466556. 39. Israel. Wadi Qilt. Wild. Seed.
- 466557. 40. Israel. Wadi Qilt. Wild. Seed.
- 466558. 41. Israel. Wadi Qilt. Wild. Seed.
- 466559. 42. Israel. Wadi Qilt. Wild. Seed.
- 466560. 43. Israel. Wadi Qilt. Wild. Seed.
- 466561. 44. Israel. Wadi Qilt. Wild. Seed.
- 466562. 47. Israel. Wadi Qilt. Wild. Seed.
- 466563. 1. Israel. Herzliyya. Wild. Seed.
- 466564. 3. Israel. Herzliyya. Wild. Seed.
- 466565. 4. Israel. Herzliyya. Wild. Seed.
- 466566. 5. Israel. Herzliyya. Wild. Seed.
- 466567. 6. Israel. Herzliyya. Wild. Seed.

466249 TO 466702-continued

- 466568. 7. Israel. Herzliyya. Wild. Seed.
- 466569. 8. Israel. Herzliyya. Wild. Seed.
- 466570. 9. Israel. Herzliyya. Wild. Seed.
- 466571. 10. Israel. Herzliyya. Wild. Seed.
- 466572. 11. Israel. Herzliyya. Wild. Seed.
- 466573. 13. Israel. Herzliyya. Wild. Seed.
- 466574. 15. Israel. Herzliyya. Wild. Seed.
- 466575. 16. Israel. Herzliyya. Wild. Seed.
- 466576. 17. Israel. Herzliyya. Wild. Seed.
- 466577. 18. Israel. Herzliyya. Wild. Seed.
- 466578. 19. Israel. Herzliyya. Wild. Seed.
- 466579. 21. Israel. Herzliyya. Wild. Seed.
- 466580. 22. Israel. Herzliyya. Wild. Seed.
- 466581. 26. Israel. Herzliyya. Wild. Seed.
- 466582. 27. Israel. Herzliyya. Wild. Seed.
- 466583. 28. Israel. Herzliyya. Wild. Seed.
- 466584. 29. Israel. Herzliyya. Wild. Seed.
- 466585. 30. Israel. Herzliyya. Wild. Seed.
- 466586. 31. Israel. Herzliyya. Wild. Seed.
- 466587. 32. Israel. Herzliyya. Wild. Seed.
- 466588. 2. Iran. Station 6. Wild. Seed.
- 466589. 3. Iran. Station 6. Wild. Seed.
- 466590. 4. Iran. Station 6. Wild. Seed.
- 466591. 5. Iran. Station 6. Wild. Seed.
- 466592. 46. Iran. Station 6. Wild. Seed.
- 466593. 9. Iran. Station 6. Wild. Seed.

466249 TO 466702-continued

466594. 14. Iran. Station 6. Wild. Seed.  
466595. 15. Iran. Station 6. Wild. Seed.  
466596. 18. Iran. Station 6. Wild. Seed.  
466597. 23. Iran. Station 6. Wild. Seed.  
466598. 25. Iran. Station 6. Wild. Seed.  
466599. 26. Iran. Station 6. Wild. Seed.  
466600. 28. Iran. Station 6. Wild. Seed.  
466601. 29. Iran. Station 6. Wild. Seed.  
466602. 41. Iran. Station 6. Wild. Seed.  
466603. 42. Iran. Station 6. Wild. Seed.  
466604. 43. Iran. Station 6. Wild. Seed.  
466605. 44. Iran. Station 6. Wild. Seed.  
466606. 45. Iran. Station 6. Wild. Seed.  
466607. 1. Iran. Station 19. Wild. Seed.  
466608. 5. Iran. Station 19. Wild. Seed.  
466609. 6. Iran. Station 19. Wild. Seed.  
466610. 7. Iran. Station 19. Wild. Seed.  
466611. 9. Iran. Station 19. Wild. Seed.  
466612. 10. Iran. Station 19. Wild. Seed.  
466613. 13. Iran. Station 19. Wild. Seed.  
466614. 14. Iran. Station 19. Wild. Seed.  
466615. 15. Iran. Station 19. Wild. Seed.  
466616. 17. Iran. Station 19. Wild. Seed.  
466617. 18. Iran. Station 19. Wild. Seed.  
466618. 19. Iran. Station 19. Wild. Seed.  
466619. 21. Iran. Station 19. Wild. Seed.

466249 TO 466702-continued

466620. 22. Iran. Station 19. Wild. Seed.  
466621. 23. Iran. Station 19. Wild. Seed.  
466622. 24. Iran. Station 19. Wild. Seed.  
466623. 25. Iran. Station 19. Wild. Seed.  
466624. 26. Iran. Station 19. Wild. Seed.  
466625. 27. Iran. Station 19. Wild. Seed.  
466626. 3. Iran. Station 10. Wild. Seed.  
466627. 9. Iran. Station 10. Wild. Seed.  
466628. 12. Iran. Station 10. Wild. Seed.  
466629. 14. Iran. Station 10. Wild. Seed.  
466630. 15. Iran. Station 10. Wild. Seed.  
466631. 43. Iran. Station 10. Wild. Seed.  
466632. 18. Iran. Station 10. Wild. Seed.  
466633. 20. Iran. Station 10. Wild. Seed.  
466634. 22. Iran. Station 10. Wild. Seed.  
466635. 24. Iran. Station 10. Wild. Seed.  
466636. 25. Iran. Station 10. Wild. Seed.  
466637. 26. Iran. Station 10. Wild. Seed.  
466638. 27. Iran. Station 10. Wild. Seed.  
466639. 28. Iran. Station 10. Wild. Seed.  
466640. 29. Iran. Station 10. Wild. Seed.  
466641. 30. Iran. Station 10. Wild. Seed.  
466642. 33. Iran. Station 10. Wild. Seed.  
466643. 35. Iran. Station 10. Wild. Seed.  
466644. 37. Iran. Station 10. Wild. Seed.  
466645. 41. Iran. Station 10. Wild. Seed.



466249 TO 466702-continued

466646. 4. Turkey. Station 8. Wild. Seed.  
466647. 5. Turkey. Station 8. Wild. Seed.  
466648. 6. Turkey. Station 8. Wild. Seed.  
466649. 14. Turkey. Station 8. Wild. Seed.  
466650. 16. Turkey. Station 8. Wild. Seed.  
466651. 17. Turkey. Station 8. Wild. Seed.  
466652. 18. Turkey. Station 8. Wild. Seed.  
466653. 19. Turkey. Station 8. Wild. Seed.  
466654. 22. Turkey. Station 8. Wild. Seed.  
466655. 25. Turkey. Station 8. Wild. Seed.  
466656. 26. Turkey. Station 8. Wild. Seed.  
466657. 27. Turkey. Station 8. Wild. Seed.  
466658. 28. Turkey. Station 8. Wild. Seed.  
466659. 29. Turkey. Station 8. Wild. Seed.  
466660. 30. Turkey. Station 8. Wild. Seed.  
466661. 33. Turkey. Station 8. Wild. Seed.  
466662. 34. Turkey. Station 8. Wild. Seed.  
466663. 35. Turkey. Station 8. Wild. Seed.  
466664. 36. Turkey. Station 8. Wild. Seed.  
466665. 37. Turkey. Station 8. Wild. Seed.  
466666. 2. Turkey. Station 7. Wild. Seed.  
466667. 3. Turkey. Station 7. Wild. Seed.  
466668. 8. Turkey. Station 7. Wild. Seed.  
466669. 9. Turkey. Station 7. Wild. Seed.  
466670. 10. Turkey. Station 7. Wild. Seed.  
466671. 11. Turkey. Station 7. Wild. Seed.

466249 TO 466702-continued

466672. 13. Turkey. Station 7. Wild. Seed.  
466673. 30. Turkey. Station 7. Wild. Seed.  
466674. 15. Turkey. Station 7. Wild. Seed.  
466675. 17. Turkey. Station 7. Wild. Seed.  
466676. 18. Turkey. Station 7. Wild. Seed.  
466677. 19. Turkey. Station 7. Wild. Seed.  
466678. 21. Turkey. Station 7. Wild. Seed.  
466679. 22. Turkey. Station 7. Wild. Seed.  
466680. 24. Turkey. Station 7. Wild. Seed.  
466681. 25. Turkey. Station 7. Wild. Seed.  
466682. 26. Turkey. Station 7. Wild. Seed.  
466683. 27. Turkey. Station 7. Wild. Seed.  
466684. 28. Turkey. Station 7. Wild. Seed.  
466685. 29. Turkey. Station 7. Wild. Seed.  
466686. 2. Iran. Station 7. Wild. Seed.  
466687. 3. Iran. Station 7. Wild. Seed.  
466688. 4. Iran. Station 7. Wild. Seed.  
466689. 5. Iran. Station 7. Wild. Seed.  
466690. 7. Iran. Station 7. Wild. Seed.  
466691. 8. Iran. Station 7. Wild. Seed.  
466692. 9. Iran. Station 7. Wild. Seed.  
466693. 10. Iran. Station 7. Wild. Seed.  
466694. 11. Iran. Station 7. Wild. Seed.  
466695. 13. Iran. Station 7. Wild. Seed.  
466696. 14. Iran. Station 7. Wild. Seed.  
466697. 15. Iran. Station 7. Wild. Seed.

466249 TO 466702-continued

466698. 16. Iran. Station 7. Wild. Seed.

466699. 17. Iran. Station 7. Wild. Seed.

466700. 18. Iran. Station 7. Wild. Seed.

466701. 19. Iran. Station 7. Wild. Seed.

466702. 20. Iran. Station 7. Wild. Seed.

466703. X *Triticosecale* (Poaceae) *Triticale*.

From United States. C. J. Peterson, Jr., Wheat Breeding & Production, USDA, Washington State University, Pullman, Washington.

Received February 1982.

VT075229. 'Whit'. United States. Plants tall, low tillering. Spikes large. Awns present. Chaff light brown. Yield high. Cold tolerance similar to winter barley. Susceptible to *Cephalosporium* stripe. Resistant to local races of stripe and leaf rust. Annual. Cultivar. Seed.

466704 TO 466705. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. C. J. Peterson, Jr., Wheat Breeding & Production, USDA, Washington State University, Pullman, Washington.

Received February 1982.

466704. VH078265. United States. Omar/1834//CI13438/3/PI194540/4/PI167822/CI13438/5/Luke. Soft, semidwarf type. Spikes medium-sized. Awns present. Chaff white. Susceptible to leaf rust, stripe rust and *Cercospora* foot rot. Dwarf bunt resistant genes BT8, 9 and 10 plus one or more unknown genes present. Milling and flour characteristics similar to 'Daws'. Winter Annual. Cultivated. Breeding Material. Seed.

466705. VH078373. United States. Blueboy/Hyslop//Luke. Soft, semidwarf type. Spikes medium-sized. Awns present. Chaff white. Susceptible to leaf rust, stripe rust and *Cercospora* foot rot. Dwarf bunt resistant genes BT3, 9 and 10 plus one or more unknown genes present. Milling and flour characteristics similar to 'Daws'. Winter Annual. Cultivated. Breeding Material. Seed.

466706 TO 466710. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae)

**466706 TO 466710--continued**

Leadtrees.

From Togo. Y. Amegee, Ecole Superieure D'Agronomie, Universite du Benin, Lome.

Received January 1982.

- 466706. Adetikope. Togo. Cultivated. Seed.
- 466707. Accra. Ghana. Cultivated. Seed.
- 466708. Brazzaville. Congo. Cultivated. Seed.
- 466709. Dakar Dwarf. Senegal. Cultivated. Seed.
- 466710. Dakar Geant. Senegal. Cultivated. Seed.

**466711 TO 466735. Hordeum vulgare L. (Poaceae) Barley.**

From China, Peoples Repub of. The Crop Germplasm Resources Institute, The Beijing Academy of Agricultural Sciences, Beijing.

Received December 1981.

- 466711. Ai gan qi. China, Peoples Repub of. Cultivated. Seed.
- 466712. An Yang shi. China, Peoples Repub of. An Yang Henan. Four-row type, some six-row. Plants downy, 92cm tall. Cultivated. Seed.
- 466713. Beijing. China, Peoples Repub of. Beijing. Four-row type. Plants 84cm tall. Maturity 68 days. Cultivated. Seed.
- 466714. Beijing University 1. China, Peoples Repub of. Beijing. Four-row type. Plants 90cm tall. Maturity 78 days. Cultivated. Seed.
- 466715. Beipi. China, Peoples Repub of. Beijing. Four-row type. Plants 95cm tall. Maturity 76 days. Cultivated. Seed.
- 466716. Chun feng pi dai mai. China, Peoples Repub of. Cultivated. Seed.
- 466717. Duan Wang liu leng. China, Peoples Repub of. Cultivated. Seed.
- 466718. Giza 119. Egypt. Cultivated. Seed.
- 466719. Gong da mai. China, Peoples Repub of. Cultivated. Seed.
- 466720. Hei tou gong. China, Peoples Repub of. Cultivated. Seed.
- 466721. Li cheng da mai. China, Peoples Repub of. Cultivated. Seed.

466711 TO 466735-continued

466722. Li xin 1. China, Peoples Repub of. Cultivated. Seed.
466723. Liu leng bai da mai. China, Peoples Repub of. Cultivated. Seed.
466724. Liu leng gong dai mai. China, Peoples Repub of. Cultivated. Seed.
466725. Lo dao zhuang. China, Peoples Repub of. Beijing. Naked, four-row type. Plants 67cm tall. Maturity 73 days. Cultivated. Seed.
466726. Mona. Sweden. Cultivated. Seed.
466727. Rhombohedral. China, Peoples Repub of. Han Dan Hebei. Four-row type. Plants 90cm tall. Cultivated. Seed.
466728. Tian-jin 1. China, Peoples Repub of. Cultivated. Seed.
466729. Yan Sui cao da mai. China, Peoples Repub of. Cultivated. Seed.
466730. You Z1. China, Peoples Repub of. Henan. Six-row type. Plants 65cm tall. Maturity 78 days. Cultivated. Seed.
466731. Yu Li dian. China, Peoples Repub of. Beijing. Four-row type. Plants 79cm tall. Maturity 67 days. Cultivated. Seed.
466732. Zao shu 3. China, Peoples Repub of. Cultivated. Seed.
466733. Zhang de wang da mai. China, Peoples Repub of. Cultivated. Seed.
466734. Mexico. Api-CM67 x Ore. Cultivated. Seed.
466735. Mexico. Pro-Gva x DL70. Cultivated. Seed.

466736. Camellia hybrid (Theaceae).

From United States. W. L. Ackerman, U.S. National Arboretum, U.S. Department of Agriculture, Washington, D. C.  
Received February 1982.

'Two Marthas'. C. sasanqua 'Onishiki' (PI 319285) x C. kissi (PI 252064). Cross made October 1969 at U.S. Plant Introduction Station, Glenn Dale, Md. Plants combine flower size, color, form and quality of C. sasanqua with high heat and light tolerance of C. kissi. Flowers semi-double, bright rose pink to red, 7.5cm across, bloom October to early November. Perennial Woody. Cultivar.

466736-continued  
Plants.

466737. *Hordeum vulgare* L. (Poaceae) Barley.

From Canada. Ontario Cereal Crops Committee, Research Station,  
Research Branch, Agriculture Canada, Ottawa, Ontario K1A  
OC6.  
Received January 1982.

OB 123-28. 'Massey'. Canada. OB85-2 x Keystone.  
Nonmalting six-rowed spring type with yellow aleurone.  
Plants high yielding with mid-season maturity. Resistant  
to powdery mildew (*Erysiphe graminis*), scald  
(*Rhynchosporium secalis*), leaf rust (*Puccinia hordei*),  
and contains jit genes for resistance to loose smut  
(*Ustilago nuda*). Lit ref. Can. J. Plant Sci. 60:277-278,  
1980. Annual. Cultivar. Seed.

466738. *Hordeum vulgare* L. (Poaceae) Barley.

From United States. J. W. Schmidt, Nebraska Agricultural  
Experiment Station, University of Nebraska, Lincoln,  
Nebraska.  
Received February 1982.

NE 76129. 'Dundy'. United States. Sabbaton/Meimi/  
/Decatur/3/Paoli. Six-row type. Combines moderate winter  
hardiness and early maturity (similar to Kearney). Plants  
short. Yield high in High Plains. Susceptible to greenbug  
and scald. Winter Annual. Cultivar. Seed.

466739. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. J. W. Schmidt & V. A. Johnson, Nebraska  
Agricultural Experiment Station & Wheat Research, USDA,  
University of Nebraska, Lincoln, Nebraska.  
Received February 1982.

NE 75414. 'Brule'. United States. NE68723/NE68719//Gage  
Sel. Maturity midseason (similar to Centurk). Plants  
short but taller than most semidwarfs. More winterhardy  
than Centurk. Coleoptiles short. Resistant to Great  
Plains strain of Hessian fly. Seedling stem rust tests  
show SR5, SR17, heterogeneous for SR6. Winter Annual.  
Cultivar. Seed.

466740 TO 466748. *Impatiens* sp. (Balsaminaceae).

From Papua New Guinea. C. Hope, Linda Vista, S.A., Cartago, Costa

466740 TO 466748-continued

Rica.

Received June 1982.

466740. CH 5. Papua New Guinea. Collected October 12, 1981. Near cottage, Wau Ecology Institute. Stem dark. Cultivated. Cuttings.
466741. CH 6. Papua New Guinea. Collected October 12, 1981. Near cottage, Wau Ecology Institute. Stem dark. Cultivated. Cuttings.
466742. CH 7. Papua New Guinea. Collected October 12, 1981. Near cottage, Wau Ecology Institute. Stem dark. Cultivated. Cuttings.
466743. CH 9. Papua New Guinea. Collected October 12, 1981. Deep shade, near Wau Ecology Institute. Mid-vein slightly colored. Cultivated. Cuttings.
466744. CH 10. Papua New Guinea. Collected September 12, 1981. Near Kunai Creek, 5km from Wau Ecology Institute. Plants tall. Internodes very long. Flowers lavender to pink. Wild. Cuttings.
466745. CH 11. Papua New Guinea. Collected September 12, 1981. Steep slope, Kunai Creek, 5km from Wau Ecology Institute. Plants tall, open. Flowers lavender to pink. Wild. Cuttings.
466746. CH 13. Papua New Guinea. Collected September 12, 1981. Steep slope, Kunai Creek, 5km from Wau Ecology Institute. Plants open. Internodes long. Stems white. Nodes green. Leaves green. Flowers large, white. Wild. Cuttings.
466747. CH 14. Papua New Guinea. Collected September 12, 1981. Steep slope, Kunai Creek, 5km from Wau Ecology Institute. Plants tall, open. Internodes long. Nodes bulbous. Flowers large, white. Wild. Cuttings.
466748. CH 15. Papua New Guinea. Collected September 12, 1981. Soil barren, Edie Creek. Plants in full sun in hedge of *Dracaena*, very vigorous. Leaves large, deep purple to red. Cultivated. Cuttings.

466749. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Shanghai District Agricultural Science Institute, Shanghai.

Received February 1982.

Wu Yui Huo. China, Peoples Repub of. Cultivated. Seed.

466750 TO 466853. *Zea mays* L. (Poaceae) Field corn.

From Brazil. L. Coradin, A. Gripp & G. P. Silva, Centro Nacional de Recursos Geneticos, Empresa Brasileira de Pesquisa Agropecuaria, CEP 70.000 - Brasilia DF. Received through IBPGR/FAO sponsored plant exploration. Received November 1981.

- 466750. L. Coradin 3844. Brazil. Brasilia. CENARGEN. 01201  
036323. Cultivated. Seed.
- 466751. L. Coradin 3881. Brazil. Brasilia. CENARGEN. 01201  
036331. Cultivated. Seed.
- 466752. L. Coradin 3882. Brazil. Brasilia. CENARGEN. 01201  
036340. Cultivated. Seed.
- 466753. L. Coradin 3884. Brazil. Brasilia. CENARGEN. 01201  
036366. Cultivated. Seed.
- 466754. L. Coradin 3888. Brazil. Brasilia. CENARGEN. 01201  
036391. Cultivated. Seed.
- 466755. L. Coradin 3890. Brazil. Brasilia. CENARGEN. 01201  
036412. Cultivated. Seed.
- 466756. L. Coradin 3892. Brazil. Brasilia. CENARGEN. 01201  
036439. Cultivated. Seed.
- 466757. L. Coradin 3893. Brazil. Brasilia. CENARGEN. 01201  
036447. Cultivated. Seed.
- 466758. L. Coradin 3894. Brazil. Brasilia. CENARGEN. 01201  
036455. Cultivated. Seed.
- 466759. L. Coradin 3895. Brazil. Brasilia. CENARGEN. 01201  
036463. Cultivated. Seed.
- 466760. L. Coradin 3896. Brazil. Brasilia. CENARGEN. 01201  
036471. Cultivated. Seed.
- 466761. L. Coradin 3898. Brazil. Brasilia. CENARGEN. 01201  
036498. Cultivated. Seed.
- 466762. L. Coradin 3902. Brazil. Brasilia. CENARGEN. 01201  
036536. Cultivated. Seed.
- 466763. L. Coradin 3906. Brazil. Brasilia. CENARGEN. 01201  
036579. Cultivated. Seed.
- 466764. L. Coradin 3913. Brazil. Brasilia. CENARGEN. 01201  
036633. Cultivated. Seed.
- 466765. L. Coradin 3914. Brazil. Brasilia. CENARGEN. 01201



466750 TO 466853-continued

036641. Cultivated. Seed.
466766. L. Coradin 3915. Brazil. Brasilia. CENARGEN. 01201  
036650. Cultivated. Seed.
466767. L. Coradin 3917. Brazil. Brasilia. CENARGEN. 01201  
036668. Cultivated. Seed.
466768. L. Coradin 3920. Brazil. Brasilia. CENARGEN. 01201  
036684. Cultivated. Seed.
466769. L. Coradin 3923. Brazil. Brasilia. CENARGEN. 01201  
036692. Cultivated. Seed.
466770. L. Coradin 3925. Brazil. Brasilia. CENARGEN. 01201  
036714. Cultivated. Seed.
466771. L. Coradin 3926. Brazil. Brasilia. CENARGEN. 01201  
036722. Cultivated. Seed.
466772. L. Coradin 3928. Brazil. Brasilia. CENARGEN. 01201  
036731. Cultivated. Seed.
466773. L. Coradin 3929. Brazil. Brasilia. CENARGEN. 01201  
036749. Cultivated. Seed.
466774. L. Coradin 3930. Brazil. Brasilia. CENARGEN. 01201  
036757. Cultivated. Seed.
466775. L. Coradin 3936. Brazil. Brasilia. CENARGEN. 01201  
036811. Cultivated. Seed.
466776. L. Coradin 3937. Brazil. Brasilia. CENARGEN. 01201  
036820. Cultivated. Seed.
466777. L. Coradin 3938. Brazil. Brasilia. CENARGEN. 01201  
036838. Cultivated. Seed.
466778. L. Coradin 3939. Brazil. Brasilia. CENARGEN. 01201  
036846. Cultivated. Seed.
466779. L. Coradin 3940. Brazil. Brasilia. CENARGEN. 01201  
036854. Cultivated. Seed.
466780. L. Coradin 3947. Brazil. Brasilia. CENARGEN. 01201  
036889. Cultivated. Seed.
466781. L. Coradin 3948. Brazil. Brasilia. CENARGEN. 01201  
036897. Cultivated. Seed.
466782. L. Coradin 3949. Brazil. Brasilia. CENARGEN. 01201  
036901. Cultivated. Seed.

466750 TO 466853-continued

466783. L. Coradin 3954. Brazil. Brasilia. CENARGEN. 01201  
026919. Cultivated. Seed.
466784. L. Coradin 3955. Brazil. Brasilia. CENARGEN. 01201  
036927. Cultivated. Seed.
466785. L. Coradin 3958. Brazil. Brasilia. CENARGEN. 01201  
036951. Cultivated. Seed.
466786. L. Coradin 3967. Brazil. Brasilia. CENARGEN. 01201  
037044. Cultivated. Seed.
466787. L. Coradin 3978. Brazil. Brasilia. CENARGEN. 01201  
037150. Cultivated. Seed.
466788. L. Coradin 3979. Brazil. Brasilia. CENARGEN. 01201  
037168. Cultivated. Seed.
466789. L. Coradin 3980. Brazil. Brasilia. CENARGEN. 01201  
037176. Cultivated. Seed.
466790. L. Coradin 3981. Brazil. Brasilia. CENARGEN. 01201  
037184. Cultivated. Seed.
466791. L. Coradin 3982. Brazil. Brasilia. CENARGEN. 01201  
037192. Cultivated. Seed.
466792. L. Coradin 3983. Brazil. Brasilia. CENARGEN. 01201  
037206. Cultivated. Seed.
466793. L. Coradin 3984. Brazil. Brasilia. CENARGEN. 01201  
037214. Cultivated. Seed.
466794. L. Coradin 3985. Brazil. Brasilia. CENARGEN. 01201  
037222. Cultivated. Seed.
466795. L. Coradin 3987. Brazil. Brasilia. CENARGEN. 01201  
037249. Cultivated. Seed.
466796. L. Coradin 3988. Brazil. Brasilia. CENARGEN. 01201  
037257. Cultivated. Seed.
466797. L. Coradin 3989. Brazil. Brasilia. CENARGEN. 01201  
037265. Cultivated. Seed.
466798. L. Coradin 3990. Brazil. Brasilia. CENARGEN. 01201  
037273. Cultivated. Seed.
466799. L. Coradin 3991. Brazil. Brasilia. CENARGEN. 01201  
037281. Cultivated. Seed.
466800. L. Coradin 3992. Brazil. Brasilia. CENARGEN. 01201

466750 TO 466853-continued

037290. Cultivated. Seed.
466801. L. Coradin 3993. Brazil. Brasilia. CENARGEN. 01201  
037303. Cultivated. Seed.
466802. L. Coradin 3994. Brazil. Brasilia. CENARGEN. 01201  
037311. Cultivated. Seed.
466803. L. Coradin 3997. Brazil. Brasilia. CENARGEN. 01201  
037346. Cultivated. Seed.
466804. L. Coradin 3998. Brazil. Brasilia. CENARGEN. 01201  
037354. Cultivated. Seed.
466805. L. Coradin 3999. Brazil. Brasilia. CENARGEN. 01201  
037362. Cultivated. Seed.
466806. L. Coradin 4000. Brazil. Brasilia. CENARGEN. 01201  
037371. Cultivated. Seed.
466807. L. Coradin 4021. Brazil. Brasilia. CENARGEN. 01201  
037478. Cultivated. Seed.
466808. L. Coradin 4022. Brazil. Brasilia. CENARGEN. 01201  
037486. Cultivated. Seed.
466809. L. Coradin 4023. Brazil. Brasilia. CENARGEN. 01201  
037494. Cultivated. Seed.
466810. L. Coradin 4024. Brazil. Brasilia. CENARGEN. 01201  
037508. Cultivated. Seed.
466811. L. Coradin 4025. Brazil. Brasilia. CENARGEN. 01201  
037516. Cultivated. Seed.
466812. L. Coradin 4037. Brazil. Brasilia. CENARGEN. 01201  
037583. Cultivated. Seed.
466813. L. Coradin 4039. Brazil. Brasilia. CENARGEN. 01201  
037591. Cultivated. Seed.
466814. L. Coradin 4040. Brazil. Brasilia. CENARGEN. 01201  
037605. Cultivated. Seed.
466815. L. Coradin 4041. Brazil. Brasilia. CENARGEN. 01201  
037613. Cultivated. Seed.
466816. L. Coradin 4044. Brazil. Brasilia. CENARGEN. 01201  
037648. Cultivated. Seed.
466817. L. Coradin 4045. Brazil. Brasilia. CENARGEN. 01201  
037656. Cultivated. Seed.

466750 TO 466853-continued

466818. L. Coradin 4046. Brazil. Brasilia. CENARGEN. 01201  
037664. Cultivated. Seed.
466819. L. Coradin 4047. Brazil. Brasilia. CENARGEN. 01201  
037672. Cultivated. Seed.
466820. L. Coradin 4053. Brazil. Brasilia. CENARGEN. 01201  
037737. Cultivated. Seed.
466821. L. Coradin 4054. Brazil. Brasilia. CENARGEN. 01201  
037745. Cultivated. Seed.
466822. L. Coradin 4055. Brazil. Brasilia. CENARGEN. 01201  
037753. Cultivated. Seed.
466823. L. Coradin 4058. Brazil. Brasilia. CENARGEN. 01201  
037788. Cultivated. Seed.
466824. L. Coradin 4062. Brazil. Brasilia. CENARGEN. 01201  
037818. Cultivated. Seed.
466825. L. Coradin 4063. Brazil. Brasilia. CENARGEN. 01201  
037826. Cultivated. Seed.
466826. L. Coradin 4064. Brazil. Brasilia. CENARGEN. 01201  
037834. Cultivated. Seed.
466827. L. Coradin 4065. Brazil. Brasilia. CENARGEN. 01201  
037842. Cultivated. Seed.
466828. L. Coradin 4068. Brazil. Brasilia. CENARGEN. 01201  
037869. Cultivated. Seed.
466829. L. Coradin 4069. Brazil. Brasilia. CENARGEN. 01201  
037877. Cultivated. Seed.
466830. L. Coradin 4074. Brazil. Brasilia. CENARGEN. 01201  
037923. Cultivated. Seed.
466831. L. Coradin 4075. Brazil. Brasilia. CENARGEN. 01201  
037931. Cultivated. Seed.
466832. L. Coradin 4102. Brazil. Brasilia. CENARGEN. 01201  
038016. Cultivated. Seed.
466833. L. Coradin 4103. Brazil. Brasilia. CENARGEN. 01201  
038024. Cultivated. Seed.
466834. L. Coradin 4105. Brazil. Brasilia. CENARGEN. 01201  
038041. Cultivated. Seed.
466835. L. Coradin 4115. Brazil. Brasilia. CENARGEN. 01201

466750 TO 466853-continued

038148. Cultivated. Seed.
466836. L. Coradin 4141. Brazil. Brasilia. CENARGEN. 01201  
038156. Cultivated. Seed.
466837. L. Coradin 4142. Brazil. Brasilia. CENARGEN. 01201  
038164. Cultivated. Seed.
466838. L. Coradin 4144. Brazil. Brasilia. CENARGEN. 01201  
038172. Cultivated. Seed.
466839. L. Coradin 4145. Brazil. Brasilia. CENARGEN. 01201  
038181. Cultivated. Seed.
466840. L. Coradin 4146. Brazil. Brasilia. CENARGEN. 01201  
038199. Cultivated. Seed.
466841. L. Coradin 4147. Brazil. Brasilia. CENARGEN. 01201  
038202. Cultivated. Seed.
466842. L. Coradin 4148. Brazil. Brasilia. CENARGEN. 01201  
038211.
466843. L. Coradin 4211. Brazil. Brasilia. CENARGEN. 01201  
039063.
466844. L. Coradin 4212. Brazil. Brasilia. CENARGEN. 01201  
039071.
466845. L. Coradin 4213. Brazil. Brasilia. CENARGEN. 01201  
039080.
466846. L. Coradin 4216. Brazil. Brasilia. CENARGEN. 01201  
039110.
466847. G.P. Silva 106. Brazil. Brasilia. CENARGEN. 01201 038504.
466848. G.P. Silva 107. Brazil. Brasilia. CENARGEN. 01201 038512.
466849. G.P. Silva 133. Brazil. Brasilia. CENARGEN. 01201 038571.
466850. G.P. Silva 197. Brazil. Brasilia. CENARGEN. 01201 038601.
466851. G.P. Silva 198. Brazil. Brasilia. CENARGEN. 01201 038610.
466852. G.P. Silva 200. Brazil. Brasilia. CENARGEN. 01201 038636.
466853. Abimael Gr 32. Brazil. Brasilia. CENARGEN. 01201 038679.

466854 TO 466855. *Hordeum vulgare* L. (Poaceae) Barley.

From China, Peoples Repub of. Jiangsu Agricultural College, Hang

**466854 TO 466855-continued**

Zhou, Zhe-Jiang Province. Received through D. Rasmusson, Department of Agronomy, University of Minnesota. Received December 1981.

**466854.** Ci-Ba. China, Peoples Repub of. Six-row, covered type. Plants to 90cm tall. Tillers many. Spikes large with many seeds. Weight of 1000 kernels 30-32g. Facultative Annual. Cultivated. Seed.

**466855.** 8023. China, Peoples Repub of. Six-row, white, naked type. Plants to 80cm tall. Maturity early. Tillers many. Spikes many. Improved from 2-14 barley. Resistant to mildew. Weight of 1000 kernels 22g. Winter Annual. Cultivated. Seed.

**466856 TO 466858. Hordeum vulgare L. (Poaceae) Barley.**

From China, Peoples Repub of. Zhe-Jiang Agricultural University, Hang Zhou, Zhe-Jiang Province. Received through D. Rasmusson, Department of Agronomy, University of Minnesota. Received December 1981.

**466856.** Early Mature 3. China, Peoples Repub of. Two-row covered spring type. Maturity early. Plants to 95cm tall. Tillers many, low tiller mortality. Leaves dark green. Awns serrated. Annual. Cultivated. Seed.

**466857.** Zau 6. China, Peoples Repub of. Two-row type. Spikes large. Awns serrated. Seeds many. Straw strong. Annual. Cultivated. Seed.

**466858.** Zau 12. China, Peoples Repub of. Two-row spring type. Leaves large, green. Leaf ears and nodes purple. Spikes large. Seeds many. Straw strong. Resistant to leaf rust and spot blotch. Annual. Cultivated. Seed.

**466859 TO 466902. Avena sativa L. (Poaceae) Common oat.**

From United States. H. Marshall, USDA, Department of Agronomy, Pennsylvania State University, University Park, Pennsylvania. Received February 1982.

**466859.** PA 7219-19. United States. PA 65-22-7/Maris Quest. Winter Annual. Cultivated. Seed.

**466860.** PA 7307-13. United States. CI 7162/3/BL/4/WTK//WTK S/HC/3/CG/AIO. Plants moderately hardy. Maturity early. Winter Annual. Cultivated. Seed.

466859 TO 466902-continued

466861. PA 7307-70. United States. CI 8310/NC 2469-3. Plants very hardy. Maturity early. Seed excellent. Winter Annual. Cultivated. Seed.
466862. PA 7307-87. United States. CI 8310/NC 2469-3. Plants short, very hardy. Winter Annual. Cultivated. Seed.
466863. PA 7408-15. United States. 1973 Composite 11 Selection. Plants short, stiff-strawed, moderately hardy. Winter Annual. Cultivated. Seed.
466864. PA 7408-174. United States. 1973 Composite 11 Selection. Plants stiff-strawed, moderately hardy. Panicle semi-compact. Winter Annual. Cultivated. Seed.
466865. PA 7409-39. United States. 1973 Composite 11 Selection. Plants short, stiff-strawed, moderately hardy. Panicle semi-compact. Winter Annual. Cultivated. Seed.
466866. PA 7409-122. United States. 1973 Composite 12 Selection. Plants short, stiff-strawed, very hardy. Winter Annual. Cultivated. Seed.
466867. PA 7409-125. United States. 1973 Composite 12 Selection. Plants short, moderately hardy. Panicle semi-compact. Winter Annual. Cultivated. Seed.
466868. PA 7409-151. United States. 1973 Composite 12 Selection. Plants tall, very hardy. Maturity early. Panicle semi-compact. Winter Annual. Cultivated. Seed.
466869. PA 7507-8. United States. 1974 Composite 12 Selection. Plants hardy. Maturity early. Panicle semi-compact. Winter Annual. Cultivated. Seed.
466870. PA 7507-34. United States. 1974 Composite 11-1 Selection. Plants short, very hardy. Panicle semi-compact. Winter Annual. Cultivated. Seed.
466871. PA 7507-144. United States. 1974 Composite 12-1 Selection. Plants short, stiff-strawed, moderately hardy. Panicle semi-compact. Winter Annual. Cultivated. Seed.
466872. PA 7606-51. United States. Nora/Pennwin. Plants short, stiff-strawed, hardy. Maturity early. Winter Annual. Cultivated. Seed.
466873. PA 7616-247. United States. PA 65-22-42/PA 64 Comp 1-1/  
/PA 65-22-7/PA 65-22-42. Winter Annual. Cultivated. Seed.
466874. PA 7616-916. United States. 1973 Composite 11 Selection. Seed excellent. Winter Annual. Cultivated. Seed.

466859 TO 466902-continued

466875. PA 7628-457. United States. Egdolon 23/Otee. Plants short. Maturity early. Bushel weight good. Annual. Cultivated. Seed.
466876. PA 7733-648. United States. Egdolon 26/Otee. Plants short. Maturity early. Bushel weight medium-high. Annual. Cultivated. Seed.
466877. PA 7733-1268. United States. Jaycee/Wis X1656-1. Plants short, stiff-strawed. Bushel weight good. Annual. Cultivated. Seed.
466878. PA 7733-1269. United States. Jaycee/Wis X1656-1. Plants short, stiff-strawed. Bushel weight good. Annual. Cultivated. Seed.
466879. PA 7733-1281. United States. Jaycee/Wis X1656-1. Plants very short, stiff-strawed. Groat large. Annual. Cultivated. Seed.
466880. PA 7733-1315. United States. Otee/Noble. Plants medium-tall. Maturity medium-late. Annual. Cultivated. Seed.
466881. PA 7733-2583. United States. Edgolon 26/PI 355001. Plants medium-short, stiff-strawed. Maturity medium. Annual. Cultivated. Seed.
466882. PA 7733-2647. United States. Egdolon 26/Noble. Plants medium-short. Maturity medium. Annual. Cultivated. Seed.
466883. PA 7836-2093. United States. Edgolon 23/Jaycee. Plants Nobel height. Groat large. Annual. Cultivated. Seed.
466884. PA 7836-2317. United States. Otee/Noble. Plants short, appearance excellent. Maturity early. Groat large, good percentage. Annual. Cultivated. Seed.
466885. PA 7836-2334. United States. Otee/Noble. Plants short, appearance excellent. Maturity early. Good bushel weight. Annual. Cultivated. Seed.
466886. PA 7836-2523. United States. Orbit/Noble. Plants medium height. Maturity medium. Annual. Cultivated. Seed.
466887. PA 7836-4831. United States. Dal/Noble. Plants medium-tall, stiff-strawed. Maturity medium. Annual. Cultivated. Seed.
466888. PA 7836-7385. United States. Mapua 70/Noble. Plants medium short. Maturity medium. Annual. Cultivated. Seed.
466889. PA 7836-8288. United States. NC 2469-3/Clintford. Plants



466859 TO 466902-continued

- short, blue-green. Maturity Noble type. Annual.  
Cultivated. Seed.
466890. PA 7836-9710. United States. Otee/Noble. Plants medium height. Maturity medium. Annual. Cultivated. Seed.
466891. PA 7836-9745. United States. Otee/Noble. Plants medium height. Maturity medium. Annual. Cultivated. Seed.
466892. PA 7836-10,314. United States. Crbit/Noble. Plants medium-short. Maturity medium. Annual. Cultivated. Seed.
466893. PA 7836-10,330. United States. Orbit/Noble. Plants medium-short. Bushel weight good. Annual. Cultivated. Seed.
466894. PA 7836-10,916. United States. Otee/NC 2469-3. Plants Noble height, appearance nice. Maturity very early. Bushel weight good. Annual. Cultivated. Seed.
466895. PA 7836-10,970. United States. Dal/NC 2469-3. Plants medium-short, stiff-strawed. Seeds good. Annual. Cultivated. Seed.
466896. PA 7836-11,294. United States. Mapua 70/Noble. Plants short. Maturity medium-early. Annual. Cultivated. Seed.
466897. PA 7836-11,528. United States. CI 7762/NC 2469-3//Mapua 70/Noble. Plants Noble height, golden. Maturity very early. Annual. Cultivated. Seed.
466898. PA 7967-1. United States. 1979 PA Composite 24 Selection. Plants very short. Maturity very early. Annual. Cultivated. Seed.
466899. PA 7967-5110. United States. Mapua 70/Noble. Plants short. Annual. Cultivated. Seed.
466900. PA 7967-8806. United States. Otee/NC 2469-3. Plants short. Maturity very early. Annual. Cultivated. Seed.
466901. PA 7967-11,500. United States. Egdolon 26/Noble. Plants semi-dwarf, very stiff-strawed. Panicle open. Lodge resistant. Bushel weight good. Annual. Cultivated. Seed.
466902. PA 7967-11,634. United States. Egdolon 26/Otee. Plants very short, stiff-strawed. Annual. Cultivated. Seed.

466903 TO 466909. *Capsicum annuum* L. (Solanaceae).

From Bulgaria. Prof. K. Kostov, Institute of Plant Introduction and Genetic Resources, Sadovo, Plovdiv.

466903 TO 466909-continued  
Received January 1982.

- 466903. Albena. Bulgaria. Cultivated. Seed.
- 466904. Bijala shipka. Bulgaria. Cultivated. Seed.
- 466905. Chorbadzijski. Bulgaria. Cultivated. Seed.
- 466906. Golden medal. Bulgaria. Cultivated. Seed.
- 466907. Gorogled. Bulgaria. Cultivated. Seed.
- 466908. Kurtovska kapija. Bulgaria. Cultivated. Seed.
- 466909. Sivrija 600. Bulgaria. Cultivated. Seed.

466910 TO 466918. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From Bulgaria. Prof. K. Kostov, Institute of Plant Introduction  
and Genetic Resources, Sadovo, Plovdiv.  
Received January 1982.

- 466910. Achi. Bulgaria. Cultivated. Seed.
- 466911. Achi-347. Bulgaria. Cultivated. Seed.
- 466912. Bizon. Bulgaria. Cultivated. Seed.
- 466913. Luka 2177. Bulgaria. Cultivated. Seed.
- 466914. Maritza 25. Bulgaria. Cultivated. Seed.
- 466915. Progress 1. Bulgaria. Cultivated. Seed.
- 466916. Rubin 7. Bulgaria. Cultivated. Seed.
- 466917. Slava. Bulgaria. Cultivated. Seed.
- 466918. Triumph. Bulgaria. Cultivated. Seed.

466919. *Hordeum vulgare* L. (Poaceae) Barley.

From Australia. Division of Plant Production, Department of  
Agriculture, Western Australia, South Perth 6151.  
Received February 1982.

'Stirling'. Australia. Dampier// (A14) Prior/Ymer/3/  
Piroline. Superior to Clipper under all times of planting  
and all soil types, better head retention, stronger straw  
and better early vigor. Flowers 5 days earlier. Good for  
feed, excellent prospects for malting. Similar malt

466919-continued

extract levels to Clipper. Higher malt diastatic power than Clipper and Dampier. Cultivar. Seed.

466920 TO 466923. *Cucumis sativus* L. (Cucurbitaceae) Cucumber.

From Soviet Union. N. I. Vavilov Institute of Plant Industry, Leningrad.

Received February 1982.

466920. Line I. Soviet Union. Plants hairless. Leaves edible. Fruits non-bitter. Cultivated. Breeding Material. Seed.

466921. M-2. Soviet Union. Plants dwarf, bushy. Cultivated. Breeding Material. Seed.

466922. M-2C. Soviet Union. Plants determinate, vine type. Cultivated. Breeding Material. Seed.

466923. 44. Soviet Union. Plants partly dioecious, parthenocarpic. Cultivated. Breeding Material. Seed.

466924. *Avena sativa* L. (Poaceae) Common oat.

From Germany, Federal Rep of. F. Von Lochow-Petkus GMBH, 3103 Bergen 1.

Received February 1982.

LO 7876. Germany, Federal Rep of. Cultivated. Seed.

466925. *Vicia narbonensis* L. (Fabaceae) Narbonne vetch.

From Syria. P. F. Knowles, Collaborator, USDA, New Crops Research Branch, Crops Research Division, Beltsville, Maryland, USA. Received through Western Regional Plant Introduction Station, Pullman, Washington.

Received January 1982.

K1146. Syria. Collected June 25, 1958. Bazaar, Damascus. Contaminant in PI 254003, *Vicia faba*. Seed.

466926 TO 467028. *Triticum dicoccoides* (Koern. ex Asch. & Graebn.) Aaronsohn (Poaceae) Wild emmer.

From Israel. E. Nevo, Institute of Evolution, University of Haifa, Mount Carmel, Haifa 31 999.

Received February 1982.

466926. -2. Israel. Kazrin-A. Wild. Seed.

466926 TO 467028-continued

466927. +3. Israel. Kazrin-A. Wild. Seed.  
466928. +6. Israel. Kazrin-A. Wild. Seed.  
466929. +8. Israel. Kazrin-A. Wild. Seed.  
466930. +9. Israel. Kazrin-A. Wild. Seed.  
466931. +22. Israel. Kazrin-A. Wild. Seed.  
466932. +23. Israel. Kazrin-A. Wild. Seed.  
466933. +24. Israel. Kazrin-A. Wild. Seed.  
466934. +25. Israel. Kazrin-A. Wild. Seed.  
466935. +26. Israel. Kazrin-A. Wild. Seed.  
466936. +27. Israel. Kazrin-A. Wild. Seed.  
466937. +37. Israel. Kazrin-A. Wild. Seed.  
466938. +40. Israel. Kazrin-A. Wild. Seed.  
466939. +42. Israel. Kazrin-A. Wild. Seed.  
466940. +51. Israel. Kazrin-A. Wild. Seed.  
466941. -54. Israel. Kazrin-A. Wild. Seed.  
466942. -55. Israel. Kazrin-A. Wild. Seed.  
466943. +63. Israel. Kazrin-A. Wild. Seed.  
466944. -70. Israel. Kazrin-A. Wild. Seed.  
466945. -72. Israel. Kazrin-A. Wild. Seed.  
466946. +79. Israel. Kazrin-A. Wild. Seed.  
466947. +80. Israel. Kazrin-A. Wild. Seed.  
466948. +98. Israel. Kazrin-A. Wild. Seed.  
466949. +15. Israel. Yahidiyya-B. Wild. Seed.  
466950. +31. Israel. Yahidiyya-B. Wild. Seed.  
466951. +32. Israel. Yahidiyya-B. Wild. Seed.  
466952. +34. Israel. Yahidiyya-B. Wild. Seed.

466926 TO 467028-continued

466953. +39. Israel. Yahidiyya-B. Wild. Seed.  
466954. +40. Israel. Yahidiyya-B. Wild. Seed.  
466955. +4. Israel. Bat Shlomo-I. Wild. Seed.  
466956. +5. Israel. Bat Shlomo-I. Wild. Seed.  
466957. -6. Israel. Bat Shlomo-I. Wild. Seed.  
466958. +7. Israel. Bat Shlomo-I. Wild. Seed.  
466959. +8. Israel. Bat Shlomo-I. Wild. Seed.  
466960. -9. Israel. Bat Shlomo-I. Wild. Seed.  
466961. -13. Israel. Bat Shlomo-I. Wild. Seed.  
466962. +14. Israel. Bat Shlomo-I. Wild. Seed.  
466963. +21. Israel. Bat Shlomo-I. Wild. Seed.  
466964. +22. Israel. Bat Shlomo-I. Wild. Seed.  
466965. -26. Israel. Bat Shlomo-I. Wild. Seed.  
466966. +27. Israel. Bat Shlomo-I. Wild. Seed.  
466967. +28. Israel. Bat Shlomo-I. Wild. Seed.  
466968. -31. Israel. Bat Shlomo-I. Wild. Seed.  
466969. +32. Israel. Bat Shlomo-I. Wild. Seed.  
466970. -33. Israel. Bat Shlomo-I. Wild. Seed.  
466971. +34. Israel. Bat Shlomo-I. Wild. Seed.  
466972. -35. Israel. Bat Shlomo-I. Wild. Seed.  
466973. +36. Israel. Bat Shlomo-I. Wild. Seed.  
466974. -37. Israel. Bat Shlomo-I. Wild. Seed.  
466975. +38. Israel. Bat Shlomo-I. Wild. Seed.  
466976. +40. Israel. Bat Shlomo-I. Wild. Seed.  
466977. +42. Israel. Bat Shlomo-I. Wild. Seed.  
466978. +43. Israel. Bat Shlomo-I. Wild. Seed.

466926 TO 467028-continued

466979. +44. Israel. Bat Shlomo-I. Wild. Seed.  
466980. -55. Israel. Bat Shlomo-I. Wild. Seed.  
466981. -19. Israel. Beit Meir-F. Wild. Seed.  
466982. -20. Israel. Beit Meir-F. Wild. Seed.  
466983. -25. Israel. Beit Meir-F. Wild. Seed.  
466984. +26. Israel. Beit Meir-F. Wild. Seed.  
466985. +36. Israel. Beit Meir-F. Wild. Seed.  
466986. +54. Israel. Beit Meir-F. Wild. Seed.  
466987. -58. Israel. Beit Meir-F. Wild. Seed.  
466988. -73. Israel. Beit Meir-F. Wild. Seed.  
466989. -77. Israel. Beit Meir-F. Wild. Seed.  
466990. -83. Israel. Beit Meir-F. Wild. Seed.  
466991. +1. Israel. Mt. Dov-G. Wild. Seed.  
466992. +3. Israel. Mt. Dov-G. Wild. Seed.  
466993. -29. Israel. Mt. Dov-G. Wild. Seed.  
466994. -55. Israel. Mt. Dov-G. Wild. Seed.  
466995. -7. Israel. Taiba-J. Wild. Seed.  
466996. -12. Israel. Taiba-J. Wild. Seed.  
466997. -21. Israel. Taiba-J. Wild. Seed.  
466998. +23. Israel. Taiba-J. Wild. Seed.  
466999. -27. Israel. Taiba-J. Wild. Seed.  
467000. -38. Israel. Taiba-J. Wild. Seed.  
467001. +39. Israel. Taiba-J. Wild. Seed.  
467002. +44. Israel. Taiba-J. Wild. Seed.  
467003. -47. Israel. Taiba-J. Wild. Seed.  
467004. +1. Israel. Tabigha-H. Wild. Seed.

466926 TO 467028-continued

467005. +2. Israel. Tabigha-H. Wild. Seed.  
467006. +6. Israel. Tabigha-H. Wild. Seed.  
467007. +7. Israel. Tabigha-H. Wild. Seed.  
467008. -10. Israel. Tabigha-H. Wild. Seed.  
467009. +11. Israel. Tabigha-H. Wild. Seed.  
467010. +13. Israel. Tabigha-H. Wild. Seed.  
467011. +14. Israel. Tabigha-H. Wild. Seed.  
467012. +15. Israel. Tabigha-H. Wild. Seed.  
467013. -16. Israel. Tabigha-H. Wild. Seed.  
467014. +22. Israel. Tabigha-H. Wild. Seed.  
467015. +23. Israel. Tabigha-H. Wild. Seed.  
467016. +24. Israel. Tabigha-H. Wild. Seed.  
467017. +25. Israel. Tabigha-H. Wild. Seed.  
467018. +27. Israel. Tabigha-H. Wild. Seed.  
467019. +28. Israel. Tabigha-H. Wild. Seed.  
467020. +31. Israel. Tabigha-H. Wild. Seed.  
467021. +32. Israel. Tabigha-H. Wild. Seed.  
467022. +34. Israel. Tabigha-H. Wild. Seed.  
467023. +40. Israel. Tabigha-H. Wild. Seed.  
467024. +45. Israel. Tabigha-H. Wild. Seed.  
467025. +48. Israel. Tabigha-H. Wild. Seed.  
467026. +51. Israel. Tabigha-H. Wild. Seed.  
467027. -53. Israel. Tabigha-H. Wild. Seed.  
467028. +54. Israel. Tabigha-H. Wild. Seed.

467029 TO 467051. *Triticum dicoccoides* (Koern. ex Asch. & Graebn.)  
Aaronsohn (Poaceae) Wild emmer.

From United States. E. L. Sharp, Department of Plant Pathology,

**467029 TO 467051-continued**

Montana State University, Bozeman, Montana.

Received February 1982.

467029. S-1. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 15-1M. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467030. S-2. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 20-1M. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467031. S-3. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 32-1M2. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467032. S-4. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 75-1. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467033. S-5. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 79-1. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467034. S-6. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 88-1M-5. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467035. S-7. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 116-M. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467036. S-8. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 219. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467037. S-9. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 228-M. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467038. S-10. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 252-1BM. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467039. S-11. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 261-1. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467040. S-12. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 279-1M. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467041. S-13. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 320-M. Tested for



467029 TO 467051-continued

- reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467042. S-14. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 322-5-1B. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467043. S-15. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 353. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467044. S-16. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 388-1. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467045. S-17. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 390. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467046. S-18. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 392-1M. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467047. S-19. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 394-1. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467048. S-20. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 403. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467049. S-21. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 412-M. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467050. S-22. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 439-1. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.
467051. S-23. Israel. Bet Dagan, 50250. Z. Gerechter-Amitai, Inst. of Field & Garden Crops. G 451-1. Tested for reaction to stripe rust, *Puccinia striiformis*. Wild. Seed.

467052 TO 467054. *Setaria italica* (L.) Beauv. (Poaceae) Foxtail millet.

From India. National Bureau of Plant Genetic Resources, IARI, New Delhi - 110012.

Received September 1980.

467052. CO-3. India. Maturity 95-100 days. Plants 120-140cm tall, green, freely tillering. Heads long, cylindrical. Seeds buff-colored, referred to as korra. Cultivated. Breeding Material. Seed.

467052 TO 467054-continued

467053. CO-4. India. Maturity 65-70 days. Plants 75-85cm tall, with a purple base, freely tillering. Heads short, bristled. Seeds buff-colored. Cultivated. Breeding Material. Seed.
467054. CO-5. India. Maturity 90-95 days. Plants 120-140cm tall, green, freely tillering. Heads medium compact with distinct branches and long bristles. Seeds yellow, round. Yield high. Resistant to rust. Cultivated. Breeding Material. Seed.

467055 TO 467301. Zea mays L. (Poaceae) Field corn.

From Chile. Orlando Paratori B., Instituto de Investigaciones Agropecuarias, Estacion Experimental la Platina, Santiago. Received through IBPGR/FAO & R. Sevilla P., IICA, Asuncion, Paraguay. Received February 1982.

467055. CH ZM 01 001. Chile. Lluta. Lat. 18 deg. S, Long. 70 deg. W. 1000M. Race Harinoso Tarapaqueno. Seed.
467056. CH ZM 01 002. Chile. Lluta. Lat. 18 deg. S, Long. 70 deg. W. 1050M. Race Harinoso Tarapaqueno. Seed.
467057. CH ZM 01 003. Chile. Lluta. Lat. 18 deg. S, Long. 70 deg. W. 1200M. Race Harinoso Tarapaqueno. Seed.
467058. CH ZM 01 004. Chile. Lluta. Lat. 18 deg. S, Long. 70 deg. W. 840M. Race Limeno. Seed.
467059. CH ZM 01 005. Chile. Lluta. Lat. 18 deg. S, Long. 70 deg. W. 600M. Race Harinosc Tarapaqueno. Seed.
467060. CH ZM 01 006. Chile. Lluta. Lat. 18 deg. S, Long. 70 deg. W. 700M. Race Limeno. Seed.
467061. CH ZM 01 007. Chile. Camarones. Lat. 19 deg. S, Long. 70 deg. W. 800M. Race Harinoso Tarapaqueno. Seed.
467062. CH ZM 01 008. Chile. Camarones. Lat. 18 deg. S, Long. 70 deg. W. 700M. Race Harinoso Tarapaqueno. Seed.
467063. CH ZM 01 009. Chile. Azapa. Lat. 18 deg. S, Long. 70 deg. W. 200M. Race Limeno. Seed.
467064. CH ZM 01 010. Chile. Azapa. Lat. 18 deg. S, Long. 70 deg. W. 400M. Race Harinoso Tarapaqueno. Seed.
467065. CH ZM 01 011. Chile. Azapa. Lat. 18 deg. S, Long. 70 deg. W. 400M. Race Harinoso Tarapaqueno. Seed.

467055 TO 467301-continued

467066. CH ZM 01 012. Chile. Chapiguina. Lat. 18 deg. S, Long. 69 deg. W. 3250M. Race Capio Ch. Grande. Seed.
467067. CH ZM 01 013. Chile. Chapiguina. Lat. 18 deg. S, Long. 69 deg. W. 3700M. Race Capio Ch. Chico. Seed.
467068. CH ZM 01 014. Chile. Pachama. Lat. 18 deg. S, Long. 69 deg. W. 3700M. Race Capio Ch. Grande. Seed.
467069. CH ZM 01 015. Chile. Belen. Lat. 18 deg. S, Long. 69 deg. W. 3200M. Race Capio Ch. Chico. Seed.
467070. CH ZM 01 016. Chile. Belen. Lat. 18 deg. S, Long. 69 deg. W. 3200M. Race Capio Ch. Grande. Seed.
467071. CH ZM 01 017. Chile. Belen. Lat. 18 deg. S, Long. 69 deg. W. 3200M. Race Capio Ch. Grande. Seed.
467072. CH ZM 01 018. Chile. Chapiguina. Lat. 18 deg. S, Long. 69 deg. W. 3400M. Race Capio Ch. Grande. Seed.
467073. CH ZM 01 019. Chile. Putre. Lat. 18 deg. S, Long. 69 deg. W. 3450M. Race Capio Ch. Grande. Seed.
467074. CH ZM 01 020. Chile. Socoroma. Lat. 18 deg. S, Long. 69 deg. W. 3070M. Race Capio Ch. Grande. Seed.
467075. CH ZM 01 021. Chile. Socoroma. Lat. 18 deg. S, Long. 69 deg. W. 3070M. Race Capio Ch. Grande. Seed.
467076. CH ZM 01 022. Chile. Putre. Lat. 18 deg. S, Long. 69 deg. W. 3350M. Race Capio Ch. Grande. Seed.
467077. CH ZM 01 023. Chile. Socoroma. Lat. 18 deg. S., Long. 69 deg. W. 3070M. Race Capio Ch. Chico. Seed.
467078. CH ZM 01 024. Chile. Socoroma. Lat. 18 deg. S, Long. 69 deg. W. 3070M. Race Capio Ch. Grande. Seed.
467079. CH ZM 02 001. Chile. San Pedro de Atacama. Lat. 23 deg. S, Long. 68 deg. W. 2450M. Race Capio Ch. Grande. Seed.
467080. CH ZM 02 002. Chile. San Pedro de Atacama. Lat. 23 deg. S, Long. 68 deg. W. 2450M. Race Morocho Amarillo. Seed.
467081. CH ZM 02 003. Chile. San Pedro de Atacama. Lat. 23 deg. S, Long. 68 deg. W. 2450M. Race Morocho Blanco. Seed.
467082. CH ZM 02 004. Chile. Camarones. Lat. 23 deg. S, Long. 68 deg. W. 2650M. Race Chucutuno. Seed.
467083. CH ZM 02 005. Chile. Camarones. Lat. 23 deg. S, Long. 68

467055 TO 467301-continued

- deg. W. 2650M. Race Capio Ch. Grande. Seed.
467084. CH ZM 02 006. Chile. Camarones. Lat. 23 deg. S, Long. 68 deg. W. 2650M. Race Capio Ch. Grande. Seed.
467085. CH ZM 02 007. Chile. Socaire. Lat. 24 deg. S, Long. 68 deg. W. 3150M. Race Capio Ch. Chico. Seed.
467086. CH ZM 02 008. Chile. Socaire. Lat. 24 deg. S, Long. 68 deg. W. 3150M. Race Marcame. Seed.
467087. CH ZM 02 009. Chile. Socaire. Lat. 24 deg. S, Long. 68 deg. W. 3150M. Race Marcame. Seed.
467088. CH ZM 02 010. Chile. San Pedro Atacama. Lat. 23 deg. S, Long. 68 deg. W. 2400M. Race Harinoso Tarapaqueno. Seed.
467089. CH ZM 02 011. Chile. San Pedro Atacama. Lat. 23 deg. S, Long. 68 deg. W. 2450M. Race Pisankalla. Seed.
467090. CH ZM 02 012. Chile. Lazana. Lat. 22 deg. S, Long. 68 deg. W. 2600M. Race Capio Ch. Chico. Seed.
467091. CH ZM 02 013. Chile. Lazana. Lat. 22 deg. S, Long. 68 deg. W. 2600M. Race Negrito Chileno. Seed.
467092. CH ZM 02 014. Chile. Lazana. Lat. 22 deg. S, Long. 68 deg. W. 2600M. Race Morocho Amarillo. Seed.
467093. CH ZM 02 015. Chile. Lazana. Lat. 22 deg. S, Long. 68 deg. W. 2600M. Race Chucutuno. Seed.
467094. CH ZM 02 016. Chile. Lazana. Lat. 22 deg. S, Long. 68 deg. W. 2600M. Race Capio Ch. Grande. Seed.
467095. CH ZM 02 017. Chile. Lazana. Lat. 22 deg. S, Long. 68 deg. W. 2600M. Race Choclero. Seed.
467096. CH ZM 02 018. Chile. Ayquina. Lat. 22 deg. S, Long. 68 deg. W. 2950M. Race Capio Ch. Chico. Seed.
467097. CH ZM 02 019. Chile. Ayquina. Lat. 22 deg. S, Long. 68 deg. W. 2950M. Race Capio Ch. Chico. Seed.
467098. CH ZM 02 020. Chile. Ayquina. Lat. 22 deg. S, Long. 68 deg. W. 2950M. Race Chucutuno. Seed.
467099. CH ZM 02 021. Chile. Calama. Lat. 22 deg. S, Long. 69 deg. W. 2400M. Seed.
467100. CH ZM 02 022. Chile. Calama. Lat. 22 deg. S, Long. 69 deg. W. 2400M. Seed.

467055 TO 467301-continued

467101. CH ZM 03 001. Chile. Huasco. Lat. 28 deg. S, Long. 71 deg. W. 1500M. Race Camelia. Seed.
467102. CH ZM 03 002. Chile. Huasco B. Lat. 28 deg. S, Long. 71 deg. W. 20M. Race Morocho Blanco. Seed.
467103. CH ZM 03 003. Chile. Huasco B. Lat. 28 deg. S, Long. 71 deg. W. 100M. Race Camelia. Seed.
467104. CH ZM 03 004. Chile. Conay. Lat. 29 deg. S, Long. 70 deg. W. 1500M. Race Cristalino Chileno. Seed.
467105. CH ZM 03 005. Chile. Tambo. Lat. 29 deg. S, Long. 70 deg. W. 1450M. Race Camelia. Seed.
467106. CH ZM 03 006. Chile. Los Tambos. Lat. 29 deg. S, Long. 70 deg. W. 1450M. Race Camelia. Seed.
467107. CH ZM 03 007. Chile. El Parral. Lat. 29 deg. S, Long. 70 deg. W. 1400M. Race Cristalino Chileno. Seed.
467108. CH ZM 03 008. Chile. Angostura. Lat. 29 deg. S, Long. 70 deg. W. 1300M. Race Morocho Blanco. Seed.
467109. CH ZM 03 009. Chile. Chanchaguin. Lat. 29 deg. S, Long. 70 deg. W. 1100M. Race Camelia. Seed.
467110. CH ZM 03 010. Chile. Higuierita. Lat. 29 deg. S, Long. 70 deg. W. 1200M. Race Diente de Caballo. Seed.
467111. CH ZM 04 001. Chile. Cerrillos. Lat. 30 deg. S, Long. 71 deg. W. 200M. Race Camelia. Seed.
467112. CH ZM 04 002. Chile. Peralillo. Lat. 30 deg. S, Long. 70 deg. W. 700M. Race Cristalino Chileno. Seed.
467113. CH ZM 04 003. Chile. Alcohuz. Lat. 30 deg. S, Long. 70 deg. W. 1700M. Race Camelia. Seed.
467114. CH ZM 04 004. Chile. Alcohuz. Lat. 30 deg. S, Long. 70 deg. W. 1700M. Race Camelia. Seed.
467115. CH ZM 04 005. Chile. Horcon. Lat. 30 deg. S, Long. 70 deg. W. 1450M. Race Cristalino Chileno. Seed.
467116. CH ZM 04 006. Chile. Paihuano. Lat. 30 deg. S, Long. 70 deg. W. 950M. Race Camelia. Seed.
467117. CH ZM 04 007. Chile. Varillar. Lat. 30 deg. S, Long. 70 deg. W. 1100M. Race Hibrido. Seed.
467118. CH ZM 04 008. Chile. Totoralillo. Lat. 30 deg. S, Long.

467055 TO 467301-continued

- 70 deg. W. 1050M. Race Camelia. Seed.
467119. CH ZM 04 009. Chile. Chapilla. Lat. 30 deg. S, Long. 70 deg. W. 1100M. Race Hibrido. Seed.
467120. CH ZM 04 010. Chile. Chapilla. Lat. 30 deg. S, Long. 70 deg. W. 1000M. Race Cristalino Chileno. Seed.
467121. CH ZM 04 011. Chile. El Tambo. Lat. 30 deg. S, Long. 70 deg. W. 600M. Race Camelia. Seed.
467122. CH ZM 04 012. Chile. El Molle. Lat. 30 deg. S, Long. 70 deg. W. 400M. Race Cristalino Chileno. Seed.
467123. CH ZM 04 013. Chile. El Molle. Lat. 30 deg. S, Long. 70 deg. W. 400M. Race Camelia. Seed.
467124. CH ZM 04 014. Chile. Marquesa. Lat. 30 deg. S, Long. 70 deg. W. 400M. Race Camelia. Seed.
467125. CH ZM 04 015. Chile. Algarrobito. Lat. 30 deg. S, Long. 71 deg. W. 150M. Race Camelia. Seed.
467126. CH ZM 04 016. Chile. Vega Norte. Lat. 30 deg. S, Long. 71 deg. W. 20M. Race Cristalino Chileno. Seed.
467127. CH ZM 04 017. Chile. 4 Esquinas. Lat. 30 deg. S, Long. 71 deg. W. 30M. Race Camelia. Seed.
467128. CH ZM 04 018. Chile. Vega Sur. Lat. 30 deg. S, Long. 71 deg. W. 2M. Race Cristalino Chileno. Seed.
467129. CH ZM 04 019. Chile. Pan de Azucar. Lat. 30 deg. S, Long. 71 deg. W. 100M. Race Camelia. Seed.
467130. CH ZM 04 020. Chile. Pan de Azucar. Lat. 30 deg. S, Long. 71 deg. W. 100M. Race Camelia. Seed.
467131. CH ZM 04 021. Chile. Fichosca. Lat. 30 deg. S, Long. 71 deg. W. 800M. Race Camelia. Seed.
467132. CH ZM 04 022. Chile. Samo Alto. Lat. 31 deg. S, Long. 71 deg. W. 700M. Race Diente de Caballo. Seed.
467133. CH ZM 04 023. Chile. Samo Alto. Lat. 31 deg. S, Long. 71 deg. W. 550M. Race Diente de Caballo. Seed.
467134. CH ZM 04 024. Chile. Samo Alto. Lat. 31 deg. S, Long. 71 deg. W. 550M. Race Camelia. Seed.
467135. CH ZM 04 025. Chile. Limari. Lat. 31 deg. S, Long. 71 deg. W. 1250M. Race Camelia. Seed.

467055 TO 467301-continued

467136. CH ZM 04 026. Chile. Limari. Lat. 31 deg. S, Long. 70 deg. W. 1200M. Seed.
467137. CH ZM 04 027. Chile. Limari. Lat. 31 deg. S, Long. 70 deg. W. 1200M. Race Cristalino Chileno. Seed.
467138. CH ZM 04 029. Chile. Tulahuén. Lat. 31 deg. S, Long. 71 deg. W. 1200M. Race Camelia. Seed.
467139. CH ZM 04 030. Chile. Caren. Lat. 31 deg. S, Long. 71 deg. W. 850M. Race Camelia. Seed.
467140. CH ZM 04 031. Chile. Limari. Lat. 31 deg. S, Long. 71 deg. W. 200M. Race Cristalino Chileno. Seed.
467141. CH ZM 04 032. Chile. Limari. Lat. 31 deg. S, Long. 71 deg. W. 180M. Race Camelia. Seed.
467142. CH ZM 04 033. Chile. Combarbala. Lat. 31 deg. S, Long. 71 deg. W. 1010M. Race Choclero. Seed.
467143. CH ZM 04 034. Chile. El Tambo. Lat. 32 deg. S, Long. 71 deg. W. 550M. Race Choclero. Seed.
467144. CH ZM 04 035. Chile. Colliguay. Lat. 32 deg. S, Long. 71 deg. W. 600M. Race Choclero. Seed.
467145. CH ZM 04 036. Chile. Tahuinco. Lat. 32 deg. S, Long. 71 deg. W. 550M. Race Diente de Caballo. Seed.
467146. CH ZM 04 037. Chile. Llimpo. Lat. 32 deg. S, Long. 71 deg. W. 780M. Race Diente de Caballo. Seed.
467147. CH ZM 04 038. Chile. Batuco. Lat. 32 deg. S, Long. 71 deg. W. 1300M. Race Diente de Caballo. Seed.
467148. CH ZM 04 039. Chile. Cuncumen. Lat. 32 deg. S, Long. 71 deg. W. 1200M. Race Diente de Caballo. Seed.
467149. CH ZM 04 040. Chile. Caren. Lat. 31 deg. S, Long. 71 deg. W. Race Hibrido. Seed.
467150. CH ZM 04 041. Chile. Illapel. Lat. 32 deg. S, Long. 71 deg. W. 950M. Race Diente de Caballo. Seed.
467151. CH ZM 05 001. Chile. Petorca. Lat. 32 deg. S, Long. 71 deg. W. 60M. Race Cristalino Chileno. Seed.
467152. CH ZM 05 002. Chile. Petorca. Lat. 32 deg. S, Long. 71 deg. W. 60M. Race Choclero. Seed.
467153. CH ZM 05 003. Chile. Petorca. Lat. 33 deg. S, Long. 71

467055 TO 467301-continued

- deg. W. 60M. Race Choclero. Seed.
467154. CH ZM 05 004. Chile. Langotoma. Lat. 32 deg. S, Long. 71 deg. W. 150M. Race Pisankalla. Seed.
467155. CH ZM 05 005. Chile. Langotoma. Lat. 32 deg. S, Long. 71 deg. W. 150M. Race Diente de Caballo. Seed.
467156. CH ZM 05 006. Chile. Langotoma. Lat. 32 deg. S, Long. 71 deg. W. 150M. Race Curagua. Seed.
467157. CH ZM 05 007. Chile. Langotoma. Lat. 32 deg. S, Long. 71 deg. W. 150M. Race Choclero. Seed.
467158. CH ZM 05 008. Chile. Chincolco. Lat. 32 deg. S, Long. 71 deg. W. 730M. Race Camelia. Seed.
467159. CH ZM 05 009. Chile. Chincolco. Lat. 32 deg. S, Long. 71 deg. W. 730M. Race Choclero. Seed.
467160. CH ZM 05 010. Chile. Chincolco. Lat. 32 deg. S, Long. 71 deg. W. 750M. Race Hibrido. Seed.
467161. CH ZM 05 011. Chile. Chincolco. Lat. 32 deg. S, Long. 71 deg. W. 750M. Race Hibrido. Seed.
467162. CH ZM 05 012. Chile. Chincolco. Lat. 32 deg. S, Long. 71 deg. W. 750M. Race Hibrido. Seed.
467163. CH ZM 05 013. Chile. Chincolco. Lat. 32 deg. S, Long. 71 deg. W. 850M. Race Camelia. Seed.
467164. CH ZM 05 014. Chile. Sobrante. Lat. 32 deg. S, Long. 71 deg. W. 850M. Race Camelia. Seed.
467165. CH ZM 05 015. Chile. Alicahue. Lat. 32 deg. S, Long. 71 deg. W. 250M. Race Camelia. Seed.
467166. CH ZM 05 016. Chile. Alicahue. Lat. 32 deg. S, Long. 71 deg. W. 250M. Race Pisankalla. Seed.
467167. CH ZM 05 017. Chile. Alicahue. Lat. 32 deg. S, Long. 71 deg. W. 250M. Race Morocho Blanco. Seed.
467168. CH ZM 05 018. Chile. Bartalillo. Lat. 32 deg. S, Long. 71 deg. W. 520M. Race Camelia. Seed.
467169. CH ZM 05 019. Chile. Nogales. Lat. 33 deg. S, Long. 71 deg. W. 300M. Race Choclero. Seed.
467170. CH ZM 05 020. Chile. San Roque. Lat. 33 deg. S, Long. 71 deg. W. 525M. Race Camelia. Seed.



467055 TO 467301-continued

467171. CH ZM 05 021. Chile. San Felipe. Lat. 33 deg. S, Long. 71 deg. W. 300M. Race Choclero. Seed.
467172. CH ZM 05 022. Chile. Putaendo. Lat. 33 deg. S, Long. 71 deg. W. 350M. Race Camelia. Seed.
467173. CH ZM 05 023. Chile. Putaendo. Lat. 33 deg. S, Long. 71 deg. W. 710M. Race Curagua. Seed.
467174. CH ZM 05 024. Chile. Putaendo. Lat. 33 deg. S, Long. 71 deg. W. 710M. Race Choclero. Seed.
467175. CH ZM 05 025. Chile. Rinconada. Lat. 33 deg. S, Long. 71 deg. W. 800M. Race Choclero. Seed.
467176. CH ZM 05 026. Chile. Rinconada. Lat. 33 deg. S, Long. 71 deg. W. 820M. Race Camelia. Seed.
467177. CH ZM 05 027. Chile. Santa Maria. Lat. 33 deg. S, Long. 71 deg. W. 810M. Race Cristalino Chileno. Seed.
467178. CH ZM 05 028. Chile. Santa Maria. Lat. 33 deg. S, Long. 71 deg. W. 820M. Race Choclero. Seed.
467179. CH ZM 05 029. Chile. Tocornal. Lat. 33 deg. S, Long. 71 deg. W. 900M. Race Camelia. Seed.
467180. CH ZM 05 030. Chile. Tocornal. Lat. 33 deg. S, Long. 71 deg. W. 900M. Race Hibrido. Seed.
467181. CH ZM 05 031. Chile. San Esteban. Lat. 33 deg. S, Long. 71 deg. W. 950M. Race Camelia. Seed.
467182. CH ZM 05 032. Chile. San Pedro. Lat. 33 deg. S, Long. 71 deg. W. 150M. Race Hibrido. Seed.
467183. CH ZM 05 033. Chile. San Pedro. Lat. 33 deg. S, Long. 71 deg. W. 100M. Race Diente de Caballo. Seed.
467184. CH ZM 05 034. Chile. San Pedro. Lat. 33 deg. S, Long. 71 deg. W. 100M. Race Choclero. Seed.
467185. CH ZM 05 036. Chile. Limache. Lat. 33 deg. S, Long. 71 deg. W. 140M. Race Diente de Caballo. Seed.
467186. CH ZM 05 039. Chile. Limache. Lat. 33 deg. S, Long. 71 deg. W. 140M. Race Choclero. Seed.
467187. CH ZM 05 040. Chile. Limache. Lat. 33 deg. S, Long. 71 deg. W. 150M. Race Diente de Caballo. Seed.
467188. CH ZM 05 041. Chile. Limache. Lat. 33 deg. S, Long. 71

467055 TO 467301-continued

- deg. W. 150M. Race Pisankalla. Seed.
467189. CH ZM 05 043. Chile. Limache. Lat. 33 deg. S, Long. 71 deg. W. 100M. Race Cristalino Chileno. Seed.
467190. CH ZM 05 044. Chile. Limache. Lat. 33 deg. S, Long. 71 deg. W. 150M. Race Diente de Caballo. Seed.
467191. CH ZM 05 045. Chile. Limache. Lat. 33 deg. S, Long. 71 deg. W. 100M. Race Diente de Caballo. Seed.
467192. CH ZM 05 046. Chile. Limache. Lat. 33 deg. S, Long. 71 deg. W. 100M. Race Camelia. Seed.
467193. CH ZM 05 047. Chile. Limache. Lat. 33 deg. S, Long. 71 deg. W. 100M. Race Curagua. Seed.
467194. CH ZM 05 048. Chile. Limache. Lat. 33 deg. S, Long. 71 deg. W. 100M. Race Curagua. Seed.
467195. CH ZM 05 049. Chile. Casablanca. Lat. 33 deg. S, Long. 71 deg. W. 250M. Race Camelia. Seed.
467196. CH ZM 05 050. Chile. Casablanca. Lat. 33 deg. S, Long. 71 deg. W. 300M. Race Hibrido. Seed.
467197. CH ZM 05 051. Chile. Casablanca. Lat. 33 deg. S, Long. 71 deg. W. 300M. Race Camelia. Seed.
467198. CH ZM 06 001. Chile. Santa Ines. Lat. 34 deg. S, Long. 71 deg. W. 300M. Race Choclero. Seed.
467199. CH ZM 06 002. Chile. Cachapoal. Lat. 34 deg. S, Long. 71 deg. W. 400M. Race Diente de Caballo. Seed.
467200. CH ZM 06 003. Chile. Colchagua. Lat. 34 deg. S, Long. 71 deg. W. 400M. Race Diente de Caballo. Seed.
467201. CH ZM 06 004. Chile. Colchagua. Lat. 34 deg. S, Long. 71 deg. W. 400M. Race Curagua. Seed.
467202. CH ZM 06 005. Chile. Lolol. Lat. 34 deg. S, Long. 73 deg. W. 200M. Race Diente de Caballo. Seed.
467203. CH ZM 06 006. Chile. Lolol. Lat. 34 deg. S, Long. 72 deg. W. 200M. Race Semanero. Seed.
467204. CH ZM 06 007. Chile. San Fernando. Lat. 34 deg. S, Long. 71 deg. W. 550M. Race Diente de Caballo. Seed.
467205. CH ZM 06 008. Chile. San Fernando. Lat. 34 deg. S, Long. 71 deg. W. 550M. Race Camelia. Seed.

467055 TO 467301-continued

467206. CH ZM 06 009. Chile. Agua Buena. Lat. 34 deg. S, Long. 71 deg. W. 580M. Race Dulce Comercial. Seed.
467207. CH ZM 06 010. Chile. Agua Buena. Lat. 34 deg. S, Long. 71 deg. W. 580M. Race Curagua. Seed.
467208. CH ZM 06 011. Chile. Marchigue. Lat. 34 deg. S, Long. 72 deg. W. 150M. Race Camelia. Seed.
467209. CH ZM 06 012. Chile. F. Mostazal. Lat. 34 deg. S, Long. 71 deg. W. 470M. Race Curagua. Seed.
467210. CH ZM 07 001. Chile. Curico. Lat. 35 deg. S, Long. 71 deg. W. 400M. Race Camelia. Seed.
467211. CH ZM 07 002. Chile. Curico. Lat. 35 deg. S, Long. 71 deg. W. 400M. Race Hibrido. Seed.
467212. CH ZM 07 003. Chile. Palquibudi. Lat. 35 deg. S, Long. 71 deg. W. 350M. Race Camelia. Seed.
467213. CH ZM 07 004. Chile. La Huerta. Lat. 35 deg. S, Long. 71 deg. W. 220M. Race Curagua. Seed.
467214. CH ZM 07 005. Chile. La Huerta. Lat. 35 deg. S, Long. 71 deg. W. 220M. Race Cristalino Chileno. Seed.
467215. CH ZM 07 006. Chile. La Huerta. Lat. 35 deg. S, Long. 71 deg. W. 220M. Race Choclero. Seed.
467216. CH ZM 07 007. Chile. Los Niches. Lat. 35 deg. S, Long. 71 deg. W. 500M. Race Curagua. Seed.
467217. CH ZM 07 008. Chile. Los Niches. Lat. 35 deg. S, Long. 71 deg. W. 500M. Race Diente de Caballo. Seed.
467218. CH ZM 07 009. Chile. Los Niches. Lat. 35 deg. S, Long. 71 deg. W. 500M. Race Diente de Caballo. Seed.
467219. CH ZM 07 010. Chile. Port Grande. Lat. 35 deg. S, Long. 71 deg. W. 550M. Race Pisankalla. Seed.
467220. CH ZM 07 011. Chile. Port Grande. Lat. 35 deg. S, Long. 71 deg. W. 550M. Race Camelia. Seed.
467221. CH ZM 07 012. Chile. Port Grande. Lat. 35 deg. S, Long. 71 deg. W. 550M. Race Hibrido. Seed.
467222. CH ZM 07 013. Chile. Teno. Lat. 35 deg. S, Long. 71 deg. W. 400M. Race Camelia. Seed.
467223. CH ZM 07 014. Chile. Teno. Lat. 35 deg. S, Long. 71 deg.

467055 TO 467301-continued

- W. 400M. Race Cristalino Chileno. Seed.
467224. CH ZM 07 015. Chile. Teno. Lat. 35 deg. S, Long. 71 deg. W. 450M. Race Curagua. Seed.
467225. CH ZM 07 016. Chile. Cauquenes. Lat. 36 deg. S, Long. 72 deg. W. 200M. Race Semanero. Seed.
467226. CH ZM 07 017. Chile. Cauquenes. Lat. 36 deg. S, Long. 72 deg. W. 200M. Race Semanero. Seed.
467227. CH ZM 07 018. Chile. Cauquenes. Lat. 36 deg. S, Long. 72 deg. W. 240M. Race Camelia. Seed.
467228. CH ZM 07 019. Chile. Cauquenes. Lat. 36 deg. S, Long. 72 deg. W. 240M. Race Curagua. Seed.
467229. CH ZM 07 020. Chile. Cauquenes. Lat. 36 deg. S, Long. 72 deg. W. 240M. Race Semanero. Seed.
467230. CH ZM 07 021. Chile. Chanco. Lat. 36 deg. S, Long. 72 deg. W. 110M. Race Maiz de Rulo. Seed.
467231. CH ZM 07 022. Chile. Chanco. Lat. 36 deg. S, Long. 72 deg. W. 40M. Race Maiz de Rulo. Seed.
467232. CH ZM 07 023. Chile. Chanco. Lat. 36 deg. S, Long. 72 deg. W. 40M. Race Maiz de Rulo. Seed.
467233. CH ZM 07 024. Chile. Chanco. Lat. 36 deg. S, Long. 72 deg. W. 40M. Race Maiz de Rulo. Seed.
467234. CH ZM 07 026. Chile. San Javier. Lat. 36 deg. S, Long. 72 deg. W. 320M. Race Curagua. Seed.
467235. CH ZM 07 027. Chile. San Javier. Lat. 36 deg. S, Long. 72 deg. W. 320M. Race Semanero. Seed.
467236. CH ZM 07 028. Chile. San Javier. Lat. 36 deg. S, Long. 72 deg. W. 300M. Race Semanero. Seed.
467237. CH ZM 07 029. Chile. San Javier. Lat. 36 deg. S, Long. 72 deg. W. 300M. Race Semanero. Seed.
467238. CH ZM 07 030. Chile. San Javier. Lat. 36 deg. S, Long. 72 deg. W. 240M. Race Semanero. Seed.
467239. CH ZM 07 031. Chile. Cauquenes. Lat. 36 deg. S, Long. 72 deg. W. 250M. Race Semanero. Seed.
467240. CH ZM 07 032. Chile. Cauquenes. Lat. 36 deg. S, long. 72 deg. W. 200M. Race Hibrido. Seed.

467055 TO 467301-continued

467241. CH ZM 07 033. Chile. Linares. Lat. 36 deg. S, Long. 72 deg. W. 200M. Race Cristalino Chileno. Seed.
467242. CH ZM 07 034. Chile. Talca. Lat. 35 deg. S, Long. 72 deg. W. 300M. Race Diente de Caballo. Seed.
467243. CH ZM 07 035. Chile. Talca. Lat. 35 deg. S, Long. 72 deg. W. 300M. Race Curagua. Seed.
467244. CH ZM 08 001. Chile. Niblinto. Lat. 37 deg. S, Long. 72 deg. W. 400M. Race Ocho Corridas. Seed.
467245. CH ZM 08 002. Chile. Niblinto. Lat. 37 deg. S, Long. 72 deg. W. 400M. Race Choclero. Seed.
467246. CH ZM 08 003. Chile. Niblinto. Lat. 37 deg. S, Long. 72 deg. W. 400M. Race Ocho Corridas. Seed.
467247. CH ZM 08 004. Chile. Niblinto. Lat. 37 deg. S, Long. 72 deg. W. 400M. Race Ocho Corridas. Seed.
467248. CH ZM 08 005. Chile. Niblinto. Lat. 37 deg. S, Long. 72 deg. W. 410M. Race Pisankalla. Seed.
467249. CH ZM 08 006. Chile. Niblinto. Lat. 37 deg. S, Long. 72 deg. W. 410M. Race Ocho Corridas. Seed.
467250. CH ZM 08 007. Chile. Niblinto. Lat. 37 deg. S, Long. 72 deg. W. 350M. Race Curagua. Seed.
467251. CH ZM 08 008. Chile. Coihueco. Lat. 37 deg. S, Long. 72 deg. W. 400M. Race Ocho Corridas. Seed.
467252. CH ZM 08 009. Chile. San Nicolas. Lat. 36 deg. S, Long. 72 deg. W. 160M. Race Curagua. Seed.
467253. CH ZM 08 012. Chile. Ninhue. Lat. 36 deg. S, Long. 72 deg. W. 200M. Race Amarillo de Nuble. Seed.
467254. CH ZM 08 013. Chile. San Nicolas, Lat. 36 deg. S, Long. 72 deg. W. 220M. Race Curagua. Seed.
467255. CH ZM 08 015. Chile. San Carlos. Lat. 36 deg. S, Long. 72 deg. W. 270M. Race Curagua. Seed.
467256. CH ZM 08 016. Chile. San Carlos. Lat. 36 deg. S, Long. 72 deg. W. 270M. Race Ocho Corridas. Seed.
467257. CH ZM 08 017. Chile. San Ignacio. Lat. 37 deg. S, Long. 72 deg. W. 150M. Race Cristalino Chileno. Seed.
467258. CH ZM 08 018. Chile. San Ignacio. Lat. 37 deg. S, Long.

467055 TO 467301-continued

- 72 deg. W. 150M. Race Ocho Corridas. Seed.
467259. CH ZM 08 019. Chile. San Ignacio. Lat. 37 deg. S, Long. 72 deg. W. 150M. Race Amarillo de Nuble. Seed.
467260. CH ZM 08 020. Chile. Quiriquina. Lat. 37 deg. S, Long. 72 deg. W. 150M. Race Amarillo de Nuble. Seed.
467261. CH ZM 08 021. Chile. Quiriquina. Lat. 37 deg. S, Long. 72 deg. W. 130M. Race Camelia. Seed.
467262. CH ZM 08 022. Chile. Quiriquina. Lat. 37 deg. S, Long. 72 deg. W. 150M. Race Amarillo de Nuble. Seed.
467263. CH ZM 08 023. Chile. Quiriquina. Lat. 37 deg. S, Long. 72 deg. W. 140M. Race Curagua. Seed.
467264. CH ZM 08 024. Chile. Quiriquina. Lat. 37 deg. S, Long. 72 deg. W. 200M. Race Ocho Corridas. Seed.
467265. CH ZM 08 025. Chile. Quiriquina. Lat. 37 deg. S, Long. 72 deg. W. 190M. Race Amarillo de Nuble. Seed.
467266. CH ZM 08 026. Chile. Quiriquina. Lat. 37 deg. S, Long. 72 deg. W. 190M. Race Ocho Corridas. Seed.
467267. CH ZM 08 027. Chile. Pemuco. Lat. 37 deg. S, Long. 72 deg. W. 90M. Race Amarillo de Nuble. Seed.
467268. CH ZM 08 028. Chile. Gral. Cruz. Lat. 37 deg. S, Long. 72 deg. W. 50M. Race Amarillo de Nuble. Seed.
467269. CH ZM 08 029. Chile. Gral. Cruz. Lat. 37 deg. S, Long. 72 deg. W. 50M. Race Ocho Corridas. Seed.
467270. CH ZM 08 030. Chile. Gral. Cruz. Lat. 37 deg. S, Long. 72 deg. W. 50M. Race Amarillo de Nuble. Seed.
467271. CH ZM 08 032. Chile. Santa Clara. Lat. 37 deg. S, Long. 72 deg. W. Race Cristalino Chileno. Seed.
467272. CH ZM 08 033. Chile. Santa Clara. Lat. 37 deg. S, Long. 72 deg. W. Race Curagua. Seed.
467273. CH ZM 08 034. Chile. Bulnes. Lat. 37 deg. S, Long. 72 deg. W. Race Curagua. Seed.
467274. CH ZM 08 035. Chile. Bulnes. Lat. 37 deg. S, Long. 72 deg. W. Race Ocho Corridas. Seed.
467275. CH ZM 08 036. Chile. Quillon. Lat. 37 deg. S, Long. 72 deg. W. Race Ocho Corridas. Seed.

467055 TO 467301-continued

467276. CH ZM 08 037. Chile. Quillon. Lat. 37 deg. S, Long. 72 deg. W. Race Cristalino Chileno. Seed.
467277. CH ZM 08 038. Chile. S. del Laja. Lat. 37 deg. S, Long. 72 deg. W. 100M. Race Ocho Corridas. Seed.
467278. CH ZM 08 039. Chile. S. del Laja. Lat. 37 deg. S, Long. 72 deg. W. 100M. Race Ocho Corridas. Seed.
467279. CH ZM 08 040. Chile. Los Angeles. Lat. 37 deg. S, Long. 72 deg. W. 100M. Race Ocho Corridas. Seed.
467280. CH ZM 08 041. Chile. Los Angeles. Lat. 37 deg. S, Long. 72 deg. W. 100M. Race Ocho Corridas. Seed.
467281. CH ZM 08 043. Chile. Los Angeles. Lat. 37 deg. S, Long. 72 deg. W. 50M. Race Ocho Corridas. Seed.
467282. CH ZM 08 044. Chile. Los Angeles. Lat. 37 deg. S, Long. 72 deg. W. 50M. Race Ocho Corridas. Seed.
467283. CH ZM 08 045. Chile. Santa Fe. Lat. 37 deg. S, Long. 73 deg. W. 10M. Race Ocho Corridas. Seed.
467284. CH ZM 08 047. Chile. Negrete. Lat. 37 deg. S, Long. 73 deg. W. 50M. Race Ocho Corridas. Seed.
467285. CH ZM 13 001. Chile. Penaflor. Lat. 33 deg. S, Long. 71 deg. W. 270M. Race Camelia. Seed.
467286. CH ZM 13 002. Chile. Chacabuco. Lat. 33 deg. S, Long. 71 deg. W. 800M. Race Choclero. Seed.
467287. CH ZM 13 003. Chile. I. Chocolan. Lat. 34 deg. S, Long. 71 deg. W. 250M. Race Hibrido. Seed.
467288. CH ZM 13 004. Chile. I. Chocolan. Lat. 34 deg. S, Long. 71 deg. W. 250M. Race Diente de Caballo. Seed.
467289. CH ZM 13 005. Chile. Culipran. Lat. 34 deg. S, Long. 71 deg. W. 200M. Race Cristalino Chileno. Seed.
467290. CH ZM 13 006. Chile. Culipran. Lat. 34 deg. S, Long. 71 deg. W. 200M. Race Choclero. Seed.
467291. CH ZM 13 007. Chile. Codigua. Lat. 34 deg. S, Long. 71 deg. W. 250M. Race Cristalino Chileno. Seed.
467292. CH ZM 13 008. Chile. Colina. Lat. 33 deg. S, Long. 71 deg. W. 800M. Race Choclero. Seed.
467293. CH ZM 13 009. Chile. Colina. Lat. 33 deg. S, Long. 71

467055 TO 467301-continued

- deg. W. 800M. Race Diente de Caballo. Seed.
467294. CH ZM 13 010. Chile. Chacabuco. Lat. 33 deg. S, Long. 71 deg. W. 800M. Race Diente de Caballo. Seed.
467295. CH ZM 13 011. Chile. Chacabuco. Lat. 33 deg. S, Long. 71 deg. W. 800M. Race Choclero. Seed.
467296. CH ZM 13 012. Chile. Chacabuco. Lat. 33 deg. S, Long. 71 deg. W. 800M. Race Choclero. Seed.
467297. CH ZM 13 013. Chile. Curacavi. Lat. 33 deg. S, Long. 71 deg. W. 150M. Race Choclero. Seed.
467298. CH ZM 13 014. Chile. Curacavi. Lat. 33 deg. S, Long. 71 deg. W. 150M. Race Diente de Caballo. Seed.
467299. CH ZM 13 015. Chile. Curacavi. Lat. 33 deg. S, Long. 71 deg. W. 200M. Race Hibrido. Seed.
467300. CH ZM 13 016. Chile. Curacavi. Lat. 33 deg. S, Long. 71 deg. W. 200M. Race Diente de Caballo. Seed.
467301. CH ZM 13 017. Chile. Curacavi. Lat. 33 deg. S, Long. 71 deg. W. 200M. Race Diente de Caballo. Seed.

467302 TO 467306. *Arachis hypogaea* L. (Fabaceae) Peanut.

From China, Peoples Repub of. Chi-Yeh Tsai, Guangxi Academy of Agricultural Sciences, Nanning, Guangxi Province.  
Received February 1982.

467302. Bing-Yang-Shang-Shao-Du. China, Peoples Repub of. Local type with spreading habit. Maturity 160-170 days. Pods three-seeded. Cultivated. Seed.
467303. Guang-Liu. China, Peoples Repub of. Yue-You-Shan-Hao/Bo-Bai-Bai-Hua-Shan//Fu-Hua-Shan/Liu-Cheng-Ji-Mu-Du. Bunch type. Maturity 130-135 days. Pods small. Cultivated. Seed.
467304. He-Yue-Shi-Hao. China, Peoples Repub of. Qui 48/731. Maturity 125 days. Seeds medium-sized. Oil content 52.5%. Protein content 30.75%. Cultivated. Seed.
467305. He-Yu-Yi-Hao. China, Peoples Repub of. He-Xian-Da-Hua-Sheng/Yue-You-Shan-Hao//Yue-You-Shan-Hao. Maturity 130-135 days. Oil content 50.2%. Protein content 28.5%. Cultivated. Seed.
467306. Liu-Zhou-Zhen-Du. China, Peoples Repub of. Liu-Zhou. Local farm bunch type. Maturity 120 days. Oil content 52.5%. Protein content 29.2%. Cultivated. Seed.



467307 TO 467347. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Soybean Institute, Jilin Academy of Agricultural Sciences, Gongzhuling, Jilin Province.  
Received February 1982.

- 467307. GD356. Bai-hua-cuo-zi. China, Peoples Repub of. Cultivated. Seed.
- 467308. GD1348. Bai-hua-kuan. China, Peoples Repub of. Cultivated. Seed.
- 467309. GD2333. Bai-liang No. 9. China, Peoples Repub of. Cultivated. Seed.
- 467310. GD1419. Bai-mo-shi-dou. China, Peoples Repub of. Cultivated. Seed.
- 467311. GD2335. Bai-nong No. 1. China, Peoples Repub of. Cultivated. Seed.
- 467312. GD549. Cha-mo-shi-dou. China, Peoples Repub of. Cultivated. Seed.
- 467313. GD438. Da-wei-qi. China, Peoples Repub of. Cultivated. Seed.
- 467314. GD661. Da-huang-qi. China, Peoples Repub of. Cultivated. Seed.
- 467315. GD1502. Da-jin-huang. China, Peoples Repub of. Cultivated. Seed.
- 467316. GD1340. Da-tu-huang. China, Peoples Repub of. Cultivated. Seed.
- 467317. GD2341. De-dou No. 1. China, Peoples Repub of. Cultivated. Seed.
- 467318. GD61. Fu-shou. China, Peoples Repub of. Cultivated. Seed.
- 467319. GD2313. Hei-nong No. 23. China, Peoples Repub of. Cultivated. Seed.
- 467320. GD2275. Jilin No. 17. China, Peoples Repub of. Cultivated. Seed.
- 467321. GD2276. Jilin No. 18. China, Peoples Repub of. Cultivated. Seed.
- 467322. GD2277. Jilin No. 19. China, Peoples Repub of. Cultivated. Seed.
- 467323. GD2290. Jiu-nong No. 13. China, Peoples Repub of.

467307 TO 467347-continued

- Cultivated. Seed.
467324. GD1386. Lan-qi. China, Peoples Repub of. Cultivated. Seed.
467325. GD1566. Lao-guo-wo. China, Peoples Repub of. Cultivated. Seed.
467326. GD461. Liang-li-ying. China, Peoples Repub of. Cultivated. Seed.
467327. GD1652. Mo-shi-dou. China, Peoples Repub of. Cultivated. Seed.
467328. GD1106. Ping-ding-xiang. China, Peoples Repub of. Cultivated. Seed.
467329. GD1216. Ping-ding-xiang. China, Peoples Repub of. Cultivated. Seed.
467330. GD2350. Qin-dou No. 2. China, Peoples Repub of. Cultivated. Seed.
467331. GD2351. Qin-dou 84. China, Peoples Repub of. Cultivated. Seed.
467332. GD1420. Qing-mo-shi-dou. China, Peoples Repub of. Cultivated. Seed.
467333. GD1511. Shui-li-hong. China, Peoples Repub of. Cultivated. Seed.
467334. GD476. Si-li-ying. China, Peoples Repub of. Cultivated. Seed.
467335. GD357. Tie-jia-dou. China, Peoples Repub of. Cultivated. Seed.
467336. GD2315. Tong-nong No. 4. China, Peoples Repub of. Cultivated. Seed.
467337. GD2316. Tong-nong No. 5. China, Peoples Repub of. Cultivated. Seed.
467338. GD2317. Tong-nong No. 6. China, Peoples Repub of. Cultivated. Seed.
467339. GD2318. Tong-nong No. 7. China, Peoples Repub of. Cultivated. Seed.
467340. GD1590. Xiao-bai-mei. China, Peoples Repub of. Cultivated. Seed.

467307 TO 467347-continued

467341. GD 1073. Xiao-bai-gi. China, Peoples Repub of. Cultivated. Seed.
467342. GD1399. Xiao-hei-gi. China, Peoples Repub of. Cultivated. Seed.
467343. GD2320. Yan-nong No. 2. China, Peoples Repub of. Cultivated. Seed.
467344. GD2323. Yan-nong No. 5. China, Peoples Repub of. Cultivated. Seed.
467345. GD2324. Yan-nong No. 72. China, Peoples Repub of. Cultivated. Seed.
467346. GD2342. Zheng-guang No. 1. China, Peoples Repub of. Cultivated. Seed.
467347. GD378. Zi-hua-cuo-zi. China, Peoples Repub of. Cultivated. Seed.

467348 TO 467351. *Lupinus albus* L. (Fabaceae) White lupine.

From France. M. Lenoble, Station D'Amelioration Des Plantes Fourrageres, I.N.R.A., Lusignan.  
Received March 1982.

467348. 'Lublanc'. France. Cultivated. Seed.
467349. 'Lucky'. France. Cultivated. Seed.
467350. 'Kalina'. France. Cultivated. Seed.
467351. C 9. France. Cultivated. Seed.

467352 TO 467364. *Hordeum vulgare* L. (Poaceae) Barley.

From Norway. K. Aastveit, Institute of Genetics and Plant Breeding, Agricultural University of Norway, AS-NLH.  
Received February 1982.

467352. Bjerneby. Norway. Six row type. Annual. Cultivated. Landrace. Seed.
467353. Donnes. Norway. Six row type. Annual. Cultivated. Landrace. Seed.
467354. Finnebygg. Norway. Six row type. Annual. Cultivated. Landrace. Seed.

467352 TO 467364-continued

467355. Floya. Norway. Six row type. Selected from a landrace in Ornesbygg 1921. Annual. Cultivated. Breeding Material. Seed.
467356. Jadar. Norway. Six row type. Selected from a landrace in Jaerbygg 1922. Annual. Cultivated. Breeding Material. Seed.
467357. Jotun. Norway. Six row type. Selected from a landrace in Oppdalsbygg 1919. Annual. Cultivated. Breeding Material. Seed.
467358. Kr. Finset. Norway. Six row type. Annual. Cultivated. Landrace. Seed.
467359. Maskin. Norway. Six row type. Selected from landrace in Bjerneby 1905. Annual. Cultivated. Breeding Material. Seed.
467360. Mjos. Norway. Six row type. Annual. Cultivated. Landrace. Seed.
467361. Polar. Norway. Six row type. Selected from landrace in Ornesbygg 1921. Annual. Cultivated. Breeding Material. Seed.
467362. Sjak. Norway. Six row type. Annual. Cultivated. Landrace. Seed.
467363. Trysil. Norway. Six row type. Annual. Cultivated. Landrace. Seed.
467364. Refsum. Norway. Two row type. Annual. Cultivated. Landrace. Seed.

467365 TO 467366. *Hordeum vulgare* L. (Poaceae) Barley.

From Mexico. International Maize and Wheat Improvement Center, Mexico 6, D.F.  
Received February 1982.

467365. Comun Hulled. Mexico. High plateau area. Annual. Cultivated. Landrace. Seed.
467366. Comun Hulless. Mexico. High plateau area. Annual. Cultivated. Landrace. Seed.

467367 TO 467387. *Hordeum vulgare* L. (Poaceae) Barley.

From France. I. Jestin, Station D'Amelioration des Plantes, 63100

467367 TO 467387-continued  
Clermont-Ferrand.  
Received February 1982.

467367. Johanna 0.105. France. Vitry le Francois (Champagne).  
Two row type. Annual. Cultivated. Landrace. Seed.
467368. Emeraude. France. Issoudun (Indre). Two row type. Annual.  
Cultivated. Landrace. Seed.
467369. Berrichonne. France. Indre. Two row type. Annual.  
Cultivated. Landrace. Seed.
467370. Pithiviers 1. France. Pithiviers (Loiret). Two row type.  
Annual. Cultivated. Landrace. Seed.
467371. Beaune la Rolande. France. Beaune la Rolande (Loiret).  
Two row type. Annual. Cultivated. Landrace. Seed.
467372. Baronne. France. Bourgogne. Two row type. Annual.  
Cultivated. Landrace. Seed.
467373. Souche 191. France. Colmar (Haut Rhin). Two row type.  
Annual. Cultivated. Landrace. Seed.
467374. Souche 142. France. Bas Rhin. Two row type. Annual.  
Cultivated. Landrace. Seed.
467375. Brehat. France. Ile de Brehat (Cotes du Nord). Two row  
type. Annual. Cultivated. Landrace. Seed.
467376. F 22. France. Finistere. Two row type. Annual.  
Cultivated. Landrace. Seed.
467377. Zenith 0.534. France. Finistere. Two row type. Annual.  
Cultivated. Landrace. Seed.
467378. Comtesse. France. Saumur (Maine et Loir). Two row type.  
Annual. Cultivated. Landrace. Seed.
467379. Pontrieux. France. Pontrieux (Cotes du Nord). Two row  
type. Annual. Cultivated. Landrace. Seed.
467380. CN 54.10. France. Clermont Ferrand (Puy de Dome). Two  
row type. Annual. Cultivated. Landrace. Seed.
467381. Dome 0.435. France. Puy de Bane (Puy de Dome). Two row  
type. Annual. Cultivated. Landrace. Seed.
467382. Gloire du Velay. France. Le Puy (Haute Loire). Two row  
type. Annual. Cultivated. Landrace. Seed.
467383. Vellavia. France. Le Puy (Haute Loire). Two row type.  
Annual. Cultivated. Landrace. Seed.

467367 TO 467387-continued

467384. Paumelle C 71. France. Gard. Two row type. Annual. Cultivated. Landrace. Seed.
467385. Paumelle C.80. France. Var. Two row type. Annual. Cultivated. Landrace. Seed.
467386. Magali. France. Castelnaudary (Aude). Two row type. Annual. Cultivated. Landrace. Seed.
467387. Mireille. France. Castelnaudary (Aude). Annual. Cultivated. Landrace. Seed.

467388. *Hordeum vulgare* L. (Poaceae) Barley.

From United States. L. Gallagher, Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, Minnesota. Code numbers refer to J.W. Martens, Agriculture Canada, Winnipeg, Manitoba R 3T ZM9. Received February 1982.

071. Morocco. Six row type. Widely grown. Seeds large. Annual. Cultivated. Landrace. Seed.

467389 TO 467408. *Hordeum vulgare* L. (Poaceae) Barley.

From Japan. T. Konishi, Barley Germplasm Center, Institute for Agricultural and Biological Sciences, Okayama University, Kurashiki, (710). Received February 1982.

467389. OIJ 601. Sumire Mochi. Japan. Hokkaido. Six row, naked type. Annual. Cultivated. Landrace. Seed.
467390. OIJ 007. Marumi 16. Japan. Hokkaido. Six row, naked type. Annual. Cultivated. Landrace. Seed.
467391. OIJ 016. Gozen. Japan. Akita. Six row, covered type. Annual. Cultivated. Landrace. Seed.
467392. OIJ 318. Sangatsu. Japan. Yamagata. Six row, covered type. Annual. Cultivated. Landrace. Seed.
467393. OIJ 625. Shiromugi. Japan. Toyama. Six row, covered type. Annual. Cultivated. Landrace. Seed.
467394. OIJ 329. Hachikoku. Japan. Fukui. Six row, covered type. Annual. Cultivated. Landrace. Seed.
467395. OIJ 632. Bizen Wase 5. Japan. Gonma. Six row, covered type. Annual. Cultivated. Landrace. Seed.

467389 TO 467408-continued

467396. OIJ 635. Sekitori Sai 1. Japan. Saitama. Six row, covered type. Annual. Cultivated. Landrace. Seed.
467397. OIJ 340. Orokkaku 22. Japan. Yamagata. Six row, covered type. Annual. Cultivated. Landrace. Seed.
467398. OIJ 646. Kuromugi 148. Japan. Shizuoka. Six row, covered type. Annual. Cultivated. Landrace. Seed.
467399. OIJ 055. Shiro Omugi 1. Japan. Kyoto. Six row, covered type. Annual. Cultivated. Landrace. Seed.
467400. OIJ 659. Akashinriki. Japan. Hyogo. Six row, naked type. Annual. Cultivated. Landrace. Seed.
467401. OIJ 362. Kodama 13. Japan. Wakayama. Six row, naked type. Annual. Cultivated. Landrace. Seed.
467402. OIJ 369. Kobinkatagi. Japan. Okayama. Six row, naked type. Annual. Cultivated. Landrace. Seed.
467403. OIJ 373. Mihori Hadaka 3. Japan. Yamaguchi. Six row, naked type. Annual. Cultivated. Landrace. Seed.
467404. OIJ 374. Chinko 83. Japan. Tokushima. Six row, naked type. Annual. Cultivated. Landrace. Seed.
467405. OIJ 378. Kairyo Bozumugi. Japan. Ehime. Six row, naked type. Annual. Cultivated. Landrace. Seed.
467406. OIJ 681. Takeshita. Japan. Fukuoka. Six row, naked type. Annual. Cultivated. Landrace. Seed.
467407. OIJ 087. Shimabara. Japan. Kumamoto. Six row, naked type. Annual. Cultivated. Landrace. Seed.
467408. OIJ 092. Kamaore 1. Japan. Kagoshima. Six row, naked type. Annual. Cultivated. Landrace. Seed.

467409 TO 467411. *Hordeum vulgare* L. (Poaceae) Barley.

From Finland. A. Laitinen, Hankkija Plant Breeding Institute, SF-04 300 Hyryla.

Received February 1982.

467409. Aunus. Finland. Annual. Cultivated. Landrace. Seed.
467410. Uurainen. Finland. Two row type. Annual. Cultivated. Landrace. Seed.
467411. Olli. Finland. Six row type. Annual. Cultivated.

467409 TO 467411-continued  
Landrace. Seed.

467412 TO 467431. *Hordeum vulgare* L. (Poaceae) Barley.

From Czechoslovakia. J. Leks, Research Institute for Cereal  
Growing and Breeding Kromeriz, 767 41 Kromeriz.  
Received February 1982.

- 467412. Proskowetz Hana pedigree. Czechoslovakia. Annual.  
Cultivated. Landrace. Seed.
- 467413. Celechovicky hanacky. Czechoslovakia. Annual. Cultivated.  
Landrace. Seed.
- 467414. Hana II. Czechoslovakia. Annual. Cultivated. Landrace.  
Seed.
- 467415. Hana Kargyn. Czechoslovakia. Annual. Cultivated.  
Landrace. Seed.
- 467416. Jarohnevicky. Czechoslovakia. Annual. Cultivated.  
Landrace. Seed.
- 467417. Kneifel Gerste Vollkorn. Czechoslovakia. Annual.  
Cultivated. Landrace. Seed.
- 467418. Opavsky Kneifel. Czechoslovakia. Annual. Cultivated.  
Landrace. Seed.
- 467419. Pisarecky. Czechoslovakia. Annual. Cultivated. Landrace.  
Seed.
- 467420. Selektý Hanak I. Czechoslovakia. Annual. Cultivated.  
Landrace. Seed.
- 467421. Stupicky Starocesky. Czechoslovakia. Annual. Cultivated.  
Landrace. Seed.
- 467422. Stupicky hanacky. Czechoslovakia. Annual. Cultivated.  
Landrace. Seed.
- 467423. Hanacky Starocesky. Czechoslovakia. Annual. Cultivated.  
Landrace. Seed.
- 467424. Radosinsky plnozrnný. Czechoslovakia. Annual. Cultivated.  
Landrace. Seed.
- 467425. Radosinsky Sladar. Czechoslovakia. Annual. Cultivated.  
Landrace. Seed.
- 467426. Kasticky. Czechoslovakia. Annual. Cultivated. Landrace.  
Seed.



467412 TO 467431-continued

467427. Nolecv Dregeruv Bohemia. Czechoslovakia. Annual.  
Cultivated. Landrace. Seed.
467428. Olesansky. Czechoslovakia. Annual. Cultivated. Landrace.  
Seed.
467429. Chlumecky. Czechoslovakia. Annual. Cultivated. Landrace.  
Seed.
467430. Selekty velejemny. Czechoslovakia. Annual. Cultivated.  
Landrace. Seed.
467431. Horicky. Czechoslovakia. Annual. Cultivated. Landrace.  
Seed.

467432 TO 467450. *Hordeum vulgare* L. (Poaceae) Barley.

From Poland. T. Wolski, Poznanska Hodowla Roslin, 00532 Warszawa  
1.

Received February 1982.

467432. Mazowiecki. Poland. Annual. Cultivated. Landrace. Seed.
467433. Browarny PZHR. Poland. Annual. Cultivated. Landrace.  
Seed.
467434. Kazimierski. Poland. Annual. Cultivated. Landrace. Seed.
467435. Hanna Gambrinus. Poland. Annual. Cultivated. Landrace.  
Seed.
467436. Boryna. Poland. Annual. Cultivated. Landrace. Seed.
467437. Skrzyszowicki. Poland. Annual. Cultivated. Landrace.  
Seed.
467438. Sandomierski. Poland. Annual. Cultivated. Landrace. Seed.
467439. Pucki. Poland. Cultivated. Landrace. Seed.
467440. Refleks. Poland. Annual. Cultivated. Landrace. Seed.
467441. Pulawski Wczesny. Poland. Annual. Cultivated. Landrace.  
Seed.
467442. Pulawski Browarny. Poland. Annual. Cultivated. Landrace.  
Seed.
467443. Pulawski 267. Poland. Annual. Cultivated. Landrace. Seed.
467444. Pulawski 424. Poland. Annual. Cultivated. Landrace. Seed.

467432 TO 467450-continued

- 467445. Damazy. Poland. Annual. Cultivated. Landrace. Seed.
- 467446. Gryf. Poland. Annual. Cultivated. Landrace. Seed.
- 467447. Piast. Poland. Annual. Cultivated. Landrace. Seed.
- 467448. Lubuski. Poland. Annual. Cultivated. Landrace. Seed.
- 467449. Nagi Mlochowski. Poland. Annual. Cultivated. Landrace. Seed.
- 467450. Kosmos. Poland. Annual. Cultivated. Landrace. Seed.

467451 TO 467455. *Hordeum vulgare* L. (Poaceae) Barley.

From Hungary. J. Unk, Research Center for Agrobotany, N.I.A.V.T.,  
H-2766 Taposzele.  
Received February 1982.

- 467451. Peresztegi tf. Hungary. Annual. Cultivated. Landrace. Seed.
- 467452. Szanak fele ketsoros. Hungary. Annual. Cultivated. Landrace. Seed.
- 467453. Berbetei sima. Hungary. Annual. Cultivated. Landrace. Seed.
- 467454. Bekescsabai fekete. Hungary. Annual. Cultivated. Landrace. Seed.
- 467455. Mezohegyesi tf. Hungary. Annual. Cultivated. Landrace. Seed.

467456 TO 467465. *Hordeum vulgare* L. (Poaceae) Barley.

From Greece. E. Skorda, Cereal Institute, Thessaloniki.  
Received February 1982.

- 467456. Trikalon. Greece. Annual. Cultivated. Landrace. Seed.
- 467457. Thibon. Greece. Cultivated. Landrace. Seed.
- 467458. Kilkis. Greece. Annual. Cultivated. Landrace. Seed.
- 467459. Naxou. Greece. Annual. Cultivated. Landrace. Seed.
- 467460. Parou. Greece. Annual. Cultivated. Landrace. Seed.
- 467461. G-63994-9. Greece. Annual. Cultivated. Landrace. Seed.

467456 TO 467465-continued

- 467462. G-63994-A20. Greece. Annual. Cultivated. Landrace. Seed.
- 467463. G-65161-9. Greece. Annual. Cultivated. Landrace. Seed.
- 467464. G-76690. Greece. Annual. Cultivated. Landrace. Seed.
- 467465. G-88007-b. Greece. Annual. Cultivated. Landrace. Seed.

467466 TO 467493. *Hordeum vulgare* L. (Poaceae) Barley.

From Austria. R. Schachl, Landwirtschaftlich-chemische,  
Bundesversuchsanstalt Linz, Fernsprecher 81 2 61 Serie.  
Received February 1982.

- 467466. BVAL 350007. Austria. Tirol. Collected by Mayr.  
Himalayan, naked type. Annual. Cultivated. Landrace. Seed.
- 467467. BVAL 350008. Austria. Tirol. Collected by Mayr.  
Himalayan, naked type. Annual. Cultivated. Landrace. Seed.
- 467468. 353002. Otterbacher. Austria. Upper Austrian-Bavarian  
Border area. Selected from Austria. Annual. Cultivated.  
Landrace. Seed.
- 467469. 353003. Pumper. Austria. Upper Austrian-Bavarian Border  
area. Selected from Bavaria. Annual. Cultivated. Landrace.  
Seed.
- 467470. 353004. Visser. Austria. Tirol. Collected by Mayr.  
Annual. Cultivated. Landrace. Seed.
- 467471. 353005. Tuxer. Austria. Tirol. Collected by Mayr.  
Annual. Cultivated. Landrace. Seed.
- 467472. 353013. Austria. Upper Austrian-Salzburgian Lake area.  
Annual. Cultivated. Landrace. Seed.
- 467473. 353014. Austria. Upper Austrian-Salzburgian Lake area.  
Collected by R. Schachl. Annual. Cultivated. Landrace.  
Seed.
- 467474. 353015. Austria. Upper Austrian-Salzburgian Lake area.  
Collected by R. Schachl. Annual. Cultivated. Landrace.  
Seed.
- 467475. 353016. Austria. Upper Austrian-Salzburgian Lake area.  
Collected by R. Schachl. Annual. Cultivated. Landrace.  
Seed.
- 467476. 353017. Austria. Upper Austrian-Salzburgian Lake area.  
Collected by R. Schachl. Annual. Cultivated. Landrace.

467466 TO 467493-continued

Seed.

467477. 353018. Austria. Upper Austrian-Salzburgian Lake area. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467478. 353028. Austria. Upper Austrian-Salzburgian Lake area. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467479. 353029. Austria. Upper Austrian-Salzburgian Lake area. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467480. 353030. Austria. Upper Austrian-Salzburgian Lake area. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467481. 353032. Austria. Upper Austrian-Salzburgian Lake area. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467482. 353033. Austria. Upper Austrian-Salzburgian Lake area. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467483. 353034. Austria. Upper Austrian-Salzburgian Lake area. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467484. 353042. Austria. Upper Austrian-Salzburgian Lake area. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467485. 353043. Austria. Upper Austrian-Salzburgian Lake area. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467486. 353062. Austria. Upper Austrian-Salzburgian Lake area. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467487. 353035. Austria. Area between Danube River and Czechoslovakian border. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467488. 353044. Austria. Area between Danube River and Czechoslovakian border. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467489. 353045. Austria. Area between Danube River and Czechoslovakian border. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.

467466 TO 467493-continued

467490. 353046. Austria. Area between Danube River and Czechoslovakian border. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467491. 353053. Austria. Area between Danube River and Czechoslovakian border. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467492. 353019. Austria. Central area near Linz. Collected by R. Schachl. Annual. Cultivated. Landrace. Seed.
467493. 353056. Austria. Near Salzburg. Peficiens type mutation of unidentified variety. Annual. Cultivated. Landrace. Seed.

467494 TO 467621. *Hordeum vulgare* L. (Poaceae) Barley.

From German Democratic Repub. Chr. Lehmann, Akademie der Wissenschaften der DDR, Zentralinstitut für Genetik und Kulturpflanzenforschung, DDR-4325 Gatersleben.  
Received February 1982.

467494. AHOR 2124. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
467495. AHOR 2144. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
467496. AHOR 2999. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
467497. AHOR 2164. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
467498. AHOR 835. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
467499. AHOR 1922. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
467500. AHOR 3720. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
467501. AHOR 2644. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
467502. AHOR 1926. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
467503. AHOR 1676. German Democratic Repub. Annual. Cultivated. Landrace. Seed.

467494 TO 467621-continued

467504. AHOR 2225. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467505. AHOR 2058. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467506. AHOR 2067. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467507. AHOR 2218. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467508. AHOR 2217. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467509. AHOR 76. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467510. AHOR 77. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467511. AHOR 2127. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467512. AHOR 2175. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467513. AHOR 65. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467514. AHOR 2120. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467515. AHOR 3675. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467516. AHOR 3674. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467517. AHOR 1901. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467518. AHOR 1862. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467519. AHOR 2111. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467520. AHOR 2116. German Democratic Repub. Cultivated. Landrace.  
Seed.
467521. AHOR 2167. German Democratic Repub. Cultivated. Landrace.

467494 TO 467621-continued  
Seed.

- 467522. AHOR 2165. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467523. AHOR 2212. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467524. AHOR 3785. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467525. AHOR 365. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467526. AHOR 3746. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467527. AHOR 63. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467528. AHOR 2138. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467529. AHOR 2070. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467530. AHOR 3640. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467531. AHOR 2136. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467532. AHOR 2749. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467533. AHOR 67. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467534. AHOR 2190. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467535. AHOR 2202. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467536. AHOR 2163. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467537. AHOR 2068. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
- 467538. AHOR 3676. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.

467494 TO 467621-continued

467539. AHOR 68. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467540. AHOR 3749. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467541. AHOR 2059. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467542. AHOR 329. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467543. AHOR 2270. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467544. AHOR 4006. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467545. AHOR 2229. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467546. AHOR 7893. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467547. AHOR 7903. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467548. AHOR 2198. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467549. AHOR 64. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467550. AHOR 2525. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467551. AHOR 2060. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467552. AHOR 3753. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467553. AHOR 2131. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467554. AHOR 2155. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467555. AHOR 2203. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467556. AHOR 7899. German Democratic Repub. Annual. Cultivated.



467494 TO 467621-continued

- Landrace. Seed.
467557. AHOR 2962. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467558. AHOR 2195. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467559. AHOR 3754. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467560. AHOR 1869. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467561. AHOR 3002. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467562. AHOR 327. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467563. AHOR 1296. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467564. AHOR 1297. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467565. AHOR 3757. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467566. AHOR 3758. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467567. AHOR 2184. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467568. AHOR 2137. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467569. AHOR 2082. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467570. AHOR 354. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467571. AHOR 2222. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467572. AHOR 99. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467573. AHOR 2186. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.

467494 TO 467621-continued

467574. AHOR 2085. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467575. AHOR 2101. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467576. AHOR 1872. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467577. AHOR 3790. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467578. AHOR 1907. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467579. AHOR 2181. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467580. AHOR 3638. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467581. AHOR 66. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467582. AHOR 1297. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467583. AHOR 1865. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467584. AHOR 2140. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467585. AHOR 2213. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467586. AHOR 3774. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467587. AHOR 3812. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467588. AHOR 2157. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467589. AHOR 2142. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467590. AHOR 71. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467591. AHOR 328. German Democratic Repub. Annual. Cultivated.

467494 TO 467621-continued

- Landrace. Seed.
467592. AHOR 73. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467593. AHOR 1345. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467594. AHOR 2130. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467595. AHOR 82. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467596. AHOR 3686. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467597. AHOR 3808. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467598. AHOR 105. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467599. AHOR 1868. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467600. AHOR 2125. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467601. AHOR 2207. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467602. AHOR 2090. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467603. AHOR 2107. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467604. AHOR 2066. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467605. AHOR 2054. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467606. AHOR 2057. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467607. AHOR 2061. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.
467608. AHOR 97. German Democratic Repub. Annual. Cultivated.  
Landrace. Seed.

467494 TO 467621-continued

- 467609. AHOR 105. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467610. AHOR 2185. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467611. AHOR 3005. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467612. AHOR 2159. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467613. AHOR 2076. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467614. AHOR 2146. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467615. AHOR 3764. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467616. AHOR 3682. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467617. AHOR 2171. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467618. AHOR 196. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467619. AHOR 2097. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467620. AHOR 2106. German Democratic Repub. Annual. Cultivated. Landrace. Seed.
- 467621. AHOR 2151. German Democratic Repub. Annual. Cultivated. Landrace. Seed.

467622 TO 467654. *Hordeum vulgare* L. (Poaceae) Barley.

From Finland. H. Ahokas, Department of Genetics, University of Helsinki, SE-00100 Helsinki 10.  
Received February 1982.

- 467622. HA 9-63-1. Finland. Admixture in SE Finnish spring rye, isolate. Annual. Cultivated. Landrace. Seed.
- 467623. HA 9-63-2. Finland. Admixture in SE Finnish spring rye, isolate. Annual. Cultivated. Landrace. Seed.

467622 TO 467654-continued

467624. HA 9-63-4. Finland. Admixture in SE Finnish spring rye, isolate. Annual. Cultivated. Landrace. Seed.
467625. HA 9-63-8. Finland. Admixture in SE Finnish spring rye, isolate. Annual. Cultivated. Landrace. Seed.
467626. HA 70-2. Finland. Admixture in SE Finnish spring rye, isolate. Annual. Cultivated. Landrace. Seed.
467627. HA 70-3. Finland. Admixture in SE Finnish spring rye, isolate. Annual. Cultivated. Landrace. Seed.
467628. HA 1. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467629. HA 3. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467630. HA 5. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467631. HA 9. Finland. From Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467632. HA 10. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467633. HA 11. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467634. HA 12. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467635. HA 14. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467636. HA 17. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467637. HA 18. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467638. HA 19. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467639. HA 20-2. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467640. HA 22. Soviet Union. Karelian Isthmus. Annual. Cultivated. Landrace. Seed.
467641. HA 29. Soviet Union. Karelian Isthmus. Annual.

467622 TO 467654-continued

- Cultivated. Landrace. Seed.
467642. HA 33. Soviet Union. Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467643. HA 37. Soviet Union. Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467644. HA 38. Soviet Union. Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467645. HA 40. Soviet Union. Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467646. HA 42. Finland. From Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467647. HA 44. Soviet Union. Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467648. HA 45. Soviet Union. Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467649. HA 48. Soviet Union. Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467650. HA 49. Soviet Union. Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467651. HA 51. Soviet Union. Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467652. HA 53. Soviet Union. Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467653. HA 146-04-1. Soviet Union. Karelian Isthmus. Annual.  
Cultivated. Landrace. Seed.
467654. Kuoreton. Soviet Union. Inner and southern parts of  
Finland. Annual. Cultivated. Landrace. Seed.

467655 TO 467674. *Hordeum vulgare* L. (Poaceae) Barley.

From United Kingdom. T.J. Riggs, Plant Breeding Institute,  
Cambridge CB2-2LQ.  
Received February 1982.

467655. 3387. Archer. United Kingdom. Year grown 1979. Annual.  
Cultivated. Landrace. Seed.
467656. 4851. Chevallier. United Kingdom. Year grown 1976.  
Annual. Cultivated. Landrace. Seed.

467655 TO 467674-continued

467657. 4814. Cornish. United Kingdom. Year grown 1976. Annual. Cultivated. Landrace. Seed.
467658. 3446. Ducksbill. United Kingdom. Year grown 1974. Annual. Cultivated. Landrace. Seed.
467659. 4815. Early Welsh. United Kingdom. Year grown 1976. Annual. Cultivated. Landrace. Seed.
467660. 4818. Golden Drop. United Kingdom. Year grown 1976. Annual. Cultivated. Landrace. Seed.
467661. 4845. Golden Melon. United Kingdom. Year grown 1976. Annual. Cultivated. Landrace. Seed.
467662. 4819. Golden Pheasant. United Kingdom. Year grown 1976. Annual. Cultivated. Landrace. Seed.
467663. 4849. Irish Archer. United Kingdom. Year grown 1976. Annual. Cultivated. Landrace. Seed.
467664. 4808. Goldthorpe. United Kingdom. Year grown 1976. Annual. Cultivated. Landrace. Seed.
467665. 4850. Irish Goldthorpe. United Kingdom. Year grown 1976. Annual. Cultivated. Landrace. Seed.
467666. 3515. Long Eared Notts. United Kingdom. Year grown 1974. Annual. Cultivated. Landrace. Seed.
467667. 4822. Old Cromarty. United Kingdom. Year grown 1980. Annual. Cultivated. Landrace. Seed.
467668. 4813. Old Irish. United Kingdom. Year grown 1976. Annual. Cultivated. Landrace. Seed.
467669. 3547. Old Wiltshire. United Kingdom. Year grown 1975. Annual. Cultivated. Landrace. Seed.
467670. 3562. Plumage. United Kingdom. Year grown 1977. Annual. Cultivated. Landrace. Seed.
467671. 3584. Scotch Common. United Kingdom. Year grown 1974. Annual. Cultivated. Landrace. Seed.
467672. 3583. Spratt. United Kingdom. Year grown 1974. Annual. Cultivated. Landrace. Seed.
467673. 4820. St. Davids. United Kingdom. Year grown 1976. Annual. Cultivated. Landrace. Seed.
467674. 3482. Hen Haidd, Eulii. United Kingdom. Year grown 1974.

467655 TO 467674-continued

Annual. Cultivated. Landrace. Seed.

467675 TO 467681. *Hordeum vulgare* L. (Poaceae) Barley.

From Korea, Republic of. C.H. Cho, Wheat and Barley Research Institute, Office of Rural Development, Suweon.

Received February 1982.

- 467675. Kyeongnam Daemaeg 89. Korea, Republic of. Annual. Cultivated. Landrace. Seed.
- 467676. Deogsan Dongbori. Korea, Republic of. Annual. Cultivated. Landrace. Seed.
- 467677. Neulbori. Korea, Republic of. Annual. Cultivated. Landrace. Seed.
- 467678. Jeonbug 45. Korea, Republic of. Annual. Cultivated. Landrace. Seed.
- 467679. Yeongweol Yugkac. Korea, Republic of. Annual. Cultivated. Landrace. Seed.
- 467680. Milyang Jaerae. Korea, Republic of. Annual. Cultivated. Landrace. Seed.
- 467681. Dong Maeg 42. Korea, Republic of. Annual. Cultivated. Landrace. Seed.

467682 TO 467693. *Hordeum vulgare* L. (Poaceae) Barley.

From Portugal. G. Varughese, CIMMYT, c/o Ministerio da Agricultura e Pescas, 1131 Lisboa Codex.

Received February 1982.

- 467682. Portugal. Elvas. National Plant Breeding Station. 4232. Lisbon. Six row type. Catalogued in 1937. Annual. Cultivated. Landrace. Seed.
- 467683. Portugal. Elvas. National Plant Breeding Station. 4234. Batalha. Six row type. Catalogued in 1937. Annual. Cultivated. Landrace. Seed.
- 467684. Portugal. Elvas. National Plant Breeding Station. 4235. Penela. Six row type. Catalogued in 1937. Annual. Cultivated. Landrace. Seed.
- 467685. Portugal. Elvas. National Plant Breeding Station. 4236. Penela. Six row type. Catalogued in 1937. Annual. Cultivated. Landrace. Seed.



467682 TO 467693-continued

467686. Portugal. Elvas. National Plant Breeding Station. 4237. Condeixa. Six row type. Catalogued in 1937. Annual. Cultivated. Landrace. Seed.
467687. Portugal. Elvas. National Plant Breeding Station. 4238. Marinha Grande. Six row type. Catalogued in 1937. Cultivated. Landrace. Seed.
467688. Portugal. Elvas. National Plant Breeding Station. 4243. Silves. Catalogued in 1937. Annual. Cultivated. Landrace. Seed.
467689. Portugal. Elvas. National Plant Breeding Station. 4245. Elvas. Catalogued in 1937. Annual. Cultivated. Landrace. Seed.
467690. Portugal. Elvas. National Plant Breeding Station. 4246. Condeixa-a-Nova. Catalogued in 1937. Annual. Cultivated. Landrace. Seed.
467691. Portugal. Elvas. National Plant Breeding Station. 4247. Evora. Catalogued in 1937. Annual. Cultivated. Landrace. Seed.
467692. Portugal. Elvas. National Plant Breeding Station. 4248. Logoa. Catalogued in 1937. Annual. Cultivated. Landrace. Seed.
467693. Portugal. Elvas. National Plant Breeding Station. 4249. Nazare. Catalogued in 1937. Annual. Cultivated. Landrace. Seed.

467694 TO 467723. *Hordeum vulgare* L. (Poaceae) Barley.

From Germany, Federal Rep of. E. Ulonska, Bayer. Landesanstalt f. Bodenkultur u. Pflanzenbau, 8050 Freising.  
Received February 1982.

467694. Nurnberger Linie I. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467695. Nurnberger Linie II. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467696. Bavaria. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467697. Danubia. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467698. Crievener Pflug. Germany, Federal Rep of. Annual.

467694 TO 467723-continued

- Cultivated. Landrace. Seed.
467699. Hadostreng. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467700. Ochsenhauser Ria. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467701. Dornburger Heils Franken. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467702. Stadelmann Monachia. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467703. Fuchs Pfalzer. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467704. Francks Hohenloher. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467705. Hauters Pfalzer. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467706. Kulisch Imperial. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467707. Harzer Alt. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467708. Schweigers Georgine. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467709. Messkirchner. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467710. Nordost Hanna. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467711. Bethge 13. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467712. Oberpfalz. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467713. Rieser. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467714. Saalegerste. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467715. Luttichhaus Schlesische. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.

467694 TO 467723-continued

467716. Amrigschwander 2zlg. Schwarzwald. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467717. Passau fruh. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467718. Fg. 3. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467719. Lichti DN. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467720. Ackermanns Isaria. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467721. Breuns Franken III. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467722. Hohenthalheimer 5 c. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.
467723. Trutschenthal. Germany, Federal Rep of. Annual. Cultivated. Landrace. Seed.

467724 TO 467726. *Hordeum vulgare* L. (Poaceae) Barley.

From Romania. M. Ionescu-Cojocaru, Wheat Breeding Laboratory, Research Institute for Cereals and Industrial Plants, Fundulea.  
Received February 1982.

467724. CENAD 345. Romania. Annual. Cultivated. Landrace. Seed.
467725. CENAD 395. Romania. Annual. Cultivated. Landrace. Seed.
467726. CENAD 396. Romania. Obtained by hybridization. Annual. Cultivated. Landrace. Seed.

467727 TO 467733. *Hordeum vulgare* L. (Poaceae) Barley.

From Norway. K. Aastveit, Institute of Genetics and Plant Breeding, Agricultural University of Norway, AS-NLH.  
Received February 1982.

467727. Bode. Norway. Six row type. Annual. Cultivated. Seed.
467728. Lise. Norway. Six row type. Annual. Cultivated. Seed.
467729. Moyjar. Norway. Two row type. Annual. Cultivated. Seed.

467727 TO 467733-continued

- 467730. Nordlys. Norway. Six row type. Annual. Cultivated. Seed.
- 467731. Stange. Norway. Two row type. Annual. Cultivated. Seed.
- 467732. Tunga. Norway. Six row type. Annual. Cultivated. Seed.
- 467733. Varde. Norway. Six row type. Annual. Cultivated. Seed.

467734 TO 467745. *Hordeum vulgare* L. (Poaceae) Barley.

From Mexico. International Maize and Wheat Improvement Center,  
Mexico 6, D.F.  
Received February 1982.

- 467734. Centinela. Mexico. Annual. Cultivated. Seed.
- 467735. Zoapila. Mexico. Annual. Cultivated. Seed.
- 467736. Celaya. Mexico. Annual. Cultivated. Seed.
- 467737. Apam. Mexico. Annual. Cultivated. Seed.
- 467738. Porvenir. Mexico. Annual. Cultivated. Seed.
- 467739. America. Mexico. Annual. Cultivated. Seed.
- 467740. Puebla. Mexico. Annual. Cultivated. Seed.
- 467741. Apizaco. Mexico. Annual. Cultivated. Seed.
- 467742. Tiaxcaia. Mexico. Annual. Cultivated. Seed.
- 467743. Ensenada. Mexico. Annual. Cultivated. Seed.
- 467744. Promesa. Mexico. Annual. Cultivated. Seed.
- 467745. Cerro Prieto. Mexico. Annual. Cultivated. Seed.

467746 TO 467751. *Hordeum vulgare* L. (Poaceae) Barley.

From France. L. Jestin, Station D'Amelioration des Plantes, 63100  
Clermont-Ferrand.  
Received February 1982.

- 467746. Ceres. France. Two row type. Annual. Cultivated. Seed.
- 467747. Julia. Netherlands. Two row type. Annual. Cultivated.  
Seed.
- 467748. Rika. Sweden. Two row type. Annual. Cultivated. Seed.

467746 TO 467751-continued

467749. Menuet. Netherlands. Two row type. Annual. Cultivated. Seed.

467750. Aramir. Netherlands. Two row type. Annual. Cultivated. Seed.

467751. Berenice. France. Two row type. Annual. Cultivated. Seed.

467752 TO 467757. *Hordeum vulgare* L. (Poaceae) Barley.

From United States. L. Gallagher, Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, Minnesota. Code numbers refer to J.W. Martens, Agriculture Canada, Winnipeg, Manitoba R 3T ZM9. Received February 1982.

467752. 905. Italy. Six row type. Annual. Cultivated. Seed.

467753. Orge I. United Kingdom. Two row type. Annual. Cultivated. Seed.

467754. Orge IV. United Kingdom. Two row type. Annual. Cultivated. Seed.

467755. 42/2. Morocco. Two row type. Annual. Cultivated. Seed.

467756. V1701. Morocco. Two row type. Annual. Cultivated. Seed.

467757. Brasserie Maroc. Morocco. Two row type. Annual. Cultivated. Seed.

467758 TO 467761. *Hordeum vulgare* L. (Poaceae) Barley.

From Japan. T. Konishi, Barley Germplasm Center, Institute for Agricultural & Biological Sciences, Okayama University, Kurashiki, (710). Received February 1982.

467758. OUJ 707. Mashu Mugi. Japan. Hokkaido. Six row, covered type. Annual. Cultivated. Seed.

467759. OUJ 532. Kashima Mugi. Japan. Saitama. Six row, covered type. Annual. Cultivated. Seed.

467760. OUJ 820. Kikai Hadaka. Japan. Mie. Six row, naked type. Annual. Cultivated. Seed.

467761. OUJ 539. Shiratama Hadaka. Japan. Kagawa. Six row, naked type. Annual. Cultivated. Seed.

467762 TO 467769. *Hordeum vulgare* L. (Poaceae) Barley.

From India. K.S. Nathawat, University of Udaipur, Agricultural Research Station, Durgapura, Jaipur.  
Received February 1982.

- 467762. RD-103. India. (RDB-1 x K-18). Annual. Cultivated. Seed.
- 467763. RD-913. India. (K-185 X RDB-3). Annual. Cultivated. Seed.
- 467764. RD-216. India. (RDB-1 x K-12). Annual. Cultivated. Seed.
- 467765. RD-936. India. (Choya-II.266 x L.2966,69-5106 Guajillo). Annual. Cultivated. Seed.
- 467766. RD-583. India. (RDB-1/EC 70821//SEL-1509// RS-7 x RRI-2). Annual. Cultivated. Seed.
- 467767. RD-137. India. (RDB-1 x EB 795). Annual. Cultivated. Seed.
- 467768. RD-474. India. (RD-103 x RD-45). Annual. Cultivated. Seed.
- 467769. Bilara 2. India. (RS 17 x C 251). Annual. Cultivated. Seed.

467770 TO 467774. *Hordeum vulgare* L. (Poaceae) Barley.

From Finland. A. Laitinen, Hankkija Plant Breeding Institute, SF-04 300 Hyryla.  
Received February 1982.

- 467770. Hankkija's Pokko. Finland. Released 1980. Six row type. Annual. Cultivated. Seed.
- 467771. Hankkija's Aapo. Finland. Released 1975. Two row type. Annual. Cultivated. Seed.
- 467772. Hankkija's Eero. Finland. Released 1975. Six row type. Annual. Cultivated. Seed.
- 467773. Hankkija-673. Finland. Released 1973. Six row type. Annual. Cultivated. Seed.
- 467774. Oтра. Finland. Released 1959. Six row type. Annual. Cultivated. Seed.

467775 TO 467779. *Hordeum vulgare* L. (Poaceae) Barley.

From Czechoslovakia. J. Lekes, Research Institute for Cereal Growing and Breeding Kromeriz, 767 41 Kromeriz.

467775 TO 467779-continued  
Received February 1982.

- 467775. Diamant. Czechoslovakia. Annual. Cultivated. Seed.
- 467776. Spartan. Czechoslovakia. Annual. Cultivated. Seed.
- 467777. Ametyst. Czechoslovakia. Annual. Cultivated. Seed.
- 467778. Koral. Czechoslovakia. Annual. Cultivated. Seed.
- 467779. Favorit. Czechoslovakia. Annual. Cultivated. Seed.

467780 TO 467785. *Hordeum vulgare* L. (Poaceae) Barley.

From Spain. E. Sanchez-Monge, Departamento De Genetica Agraria,  
Ciudad Universitaria, Madrid - 3.  
Received February 1982.

- 467780. Albacete. Spain. Drought resistant. Annual. Cultivated. Seed.
- 467781. Almunia. Spain. Adapted to humid areas or for irrigation. Annual. Cultivated. Seed.
- 467782. Cerro. Spain. Annual. Cultivated. Seed.
- 467783. Berta. Spain. Annual. Cultivated. Seed.
- 467784. Carmen. Spain. Annual. Cultivated. Seed.
- 467785. Lupe. Spain. Annual. Cultivated. Seed.

467786 TO 467789. *Hordeum vulgare* L. (Poaceae) Barley.

From Poland. T. Wolski, Poznanska Hodowla Roslin, 00 532 Warszawa  
1.  
Received February 1982.

- 467786. Aramir. Poland. Annual. Cultivated. Seed.
- 467787. Diva. Poland. Annual. Cultivated. Seed.
- 467788. Triumph. Poland. Annual. Cultivated. Seed.
- 467789. Menuet. Poland. Annual. Cultivated. Seed.

467790. *Hordeum vulgare* L. (Poaceae) Barley.

From Denmark. O. Stolen, Department of Crop Husbandry and Plant  
Breeding, Copenhagen V.

467790-continued

Received February 1982.

KUL 592. Denmark. Annual. Cultivated. Seed.

467791 TO 467795. *Hordeum vulgare* L. (Poaceae) Barley.

From Hungary. J. Unk, Research Center for Agrobotany, N.I.A.V.T.,  
H-2766 Tapioszele.

Received February 1982.

467791. Fertodi 4. Hungary. Annual. Cultivated. Seed.

467792. Taplani. Hungary. Annual. Cultivated. Seed.

467793. Savaria. Hungary. Annual. Cultivated. Seed.

467794. Mv. 46. Hungary. Annual. Cultivated. Seed.

467795. Mv. 43. Hungary. Annual. Cultivated. Seed.

467796 TO 467800. *Hordeum vulgare* L. (Poaceae) Barley.

From Greece. E. Skorda, Cereal Institute, Thessaloniki.

Received February 1982.

467796. Elassona. Greece. Annual. Cultivated. Seed.

467797. Attiki. Greece. Annual. Cultivated. Seed.

467798. Athinais. Greece. Annual. Cultivated. Seed.

467799. Rivale 1937 b. Greece. Annual. Cultivated. Seed.

467800. Beka. Greece. Annual. Cultivated. Seed.

467801 TO 467811. *Hordeum vulgare* L. (Poaceae) Barley.

From Austria. R. Schachl, Landwirtschaftlick-chemische,  
Bundesversuchsanstalt Linz, Fernsprecher 81 2 61 Serie.

Received February 1982.

467801. 354008. Austria. Eastern Austria. Annual. Cultivated.  
Seed.

467802. 354011. Austria. Eastern Austria. Annual. Cultivated.  
Seed.

467803. 354001. Martha. Austria. Herta x Dom 4/48. Annual.  
Cultivated. Seed.



**467801 TO 467811-continued**

467804. 354018. Natural Crossing Product. Austria. Nigrate C 3244 x Upper Austrian Landrace. Annual. Cultivated. Seed.
467805. 354017. Medina. Austria. Quantum x Union. Annual. Cultivated. Seed.
467806. 354003. Quantum. Austria. Carlsberg II x Esperance 298 x Carlsberg II. Annual. Cultivated. Seed.
467807. 354015. Quantum Plus. Austria. Quantum x Union. Annual. Cultivated. Seed.
467808. 354002. Perfekta. Austria. (Haisa II x North African line) x Carlsberg II. Annual. Cultivated. Seed.
467809. 354009. Diana. Austria. Czechoslovakian x Bavarian Line. Annual. Cultivated. Seed.
467810. 354006. Eura II. Austria. Carlsberg II x Piroline. Annual. Cultivated. Seed.
467811. 354010. Adora. Austria. Eura II x ((Lyallpur 3645 x Abed Maja) x Haisa) x Pirol). Annual. Cultivated. Seed.

**467812 TO 467814. Hordeum vulgare L. (Poaceae) Barley.**

From Yugoslavia. P. Javor, Institute for Breeding and Production of Field Crops, 41000 Zagreb.  
Received February 1982.

467812. Velebit. Yugoslavia. Annual. Cultivated. Seed.
467813. D I I J. Yugoslavia. Annual. Cultivated. Seed.
467814. Osk.4.3/9. Yugoslavia. Annual. Cultivated. Seed.

**467815 TO 467821. Hordeum vulgare L. (Poaceae) Barley.**

From Finland. H. Ahokas, Department of Genetics, University of Helsinki, SE-00100 Helsinki 10.  
Received February 1982.

467815. Etu. Finland. Annual. Cultivated. Seed.
467816. Karri. Finland. Annual. Cultivated. Seed.
467817. Paavo. Finland. Annual. Cultivated. Seed.
467818. Pirkka. Finland. Annual. Cultivated. Seed.

467815 TO 467821-continued

- 467819. Pomo. Finland. Annual. Cultivated. Seed.
- 467820. Suvi. Finland. Annual. Cultivated. Seed.
- 467821. Teemu. Finland. Annual. Cultivated. Seed.

467822 TO 467829. *Hordeum vulgare* L. (Poaceae) Barley.

From United Kingdom. T.J. Riggs, Plant Breeding Institute,  
Cambridge CB2 2LQ.  
Received February 1982.

- 467822. 4705. Proctor. United Kingdom. Year grown 1977. Annual.  
Cultivated. Seed.
- 467823. 5337. Jupiter. United Kingdom. Year grown 1978. Annual.  
Cultivated. Seed.
- 467824. 4630. Maris Mink. United Kingdom. Year grown 1978.  
Annual. Cultivated. Seed.
- 467825. 17258. Egmont. United Kingdom. Year grown 1978. Annual.  
Cultivated. Seed.
- 467826. Triumph. United Kingdom. Annual. Cultivated. Seed.
- 467827. Ark Royal. United Kingdom. Annual. Cultivated. Seed.
- 467828. Georgie. United Kingdom. Annual. Cultivated. Seed.
- 467829. Golden Promise. United Kingdom. Annual. Cultivated. Seed.

467830 TO 467841. *Hordeum vulgare* L. (Poaceae) Barley.

From Poland. E. Witkowski, Experiment Station of Plant Breeding  
and Acclimatization, Smolice.  
Received February 1982.

- 467830. Anatek. Poland. Annual. Cultivated. Seed.
- 467831. Browarny PZHR. Poland. Annual. Cultivated. Seed.
- 467832. Damazy. Poland. Annual. Cultivated. Seed.
- 467833. Gryf. Poland. Annual. Cultivated. Seed.
- 467834. Jarek. Poland. Annual. Cultivated. Seed.
- 467835. Kosmos. Poland. Annual. Cultivated. Seed.

467830 TO 467841-continued

- 467836. Lubuski. Poland. Annual. Cultivated. Seed.
- 467837. Piast. Poland. Annual. Cultivated. Seed.
- 467838. Polon. Poland. Annual. Cultivated. Seed.
- 467839. Sandomierski. Poland. Annual. Cultivated. Seed.
- 467840. Skrzyszowicki. Poland. Annual. Cultivated. Seed.
- 467841. Wanda. Poland. Annual. Cultivated. Seed.

467842 TO 467851. *Hordeum vulgare* L. (Poaceae) Barley.

From Brazil. E. Minella, EMBRAPA, Centro Nacional De Pesquisa De Trigo, 569 99.100-Passo Fundo.  
Received February 1982.

- 467842. Alpha 1959. Brazil. A selection of Alpha. Annual. Cultivated. Seed.
- 467843. Volla (Antarctica 01). Brazil. Annual. Cultivated. Seed.
- 467844. FM 404. Brazil. Annual. Cultivated. Seed.
- 467845. FM 424. Brazil. Annual. Cultivated. Seed.
- 467846. Antarctica 04. Brazil. Annual. Cultivated. Seed.
- 467847. FM 434. Brazil. Annual. Cultivated. Seed.
- 467848. Antarctica 05. Brazil. Annual. Cultivated. Seed.
- 467849. FM 437. Brazil. Annual. Cultivated. Seed.
- 467850. Antarctica 06. Brazil. Annual. Cultivated. Seed.
- 467851. FM 438. Brazil. Annual. Cultivated. Seed.

467852 TO 467857. *Hordeum vulgare* L. (Poaceae) Barley.

From Korea, Republic of. C.H. Cho, Wheat and Barley Research Institute, Office of Rural Development, Suweon.  
Received February 1982.

- 467852. Kangbori. Korea, Republic of. Annual. Cultivated. Seed.
- 467853. Suweon 182. Korea, Republic of. Annual. Cultivated. Seed.
- 467854. Milyang 6. Korea, Republic of. Annual. Cultivated. Seed.

467852 TO 467857-continued

467855. Dongbori 1. Korea, Republic of. Annual. Cultivated. Seed.

467856. Bunong. Korea, Republic of. Annual. Cultivated. Seed.

467857. Sacheon 2. Korea, Republic of. Annual. Cultivated. Seed.

467858 TO 467867. *Hordeum vulgare* L. (Poaceae) Barley.

From Germany, Federal Rep of. E. Ulonska, Bayer. Landesanstalt f. Bodenkultur u. Pflanzenbau, 8050 Freising.

Received February 1982.

467858. V. Lochow Aramir. Germany, Federal Rep of. Annual. Cultivated. Seed.

467859. Breuns Aura. Germany, Federal Rep of. Annual. Cultivated. Seed.

467860. Ackermanns Carina. Germany, Federal Rep of. Annual. Cultivated. Seed.

467861. Heges Europa. Germany, Federal Rep of. Annual. Cultivated. Seed.

467862. Breuns Steina. Germany, Federal Rep of. Annual. Cultivated. Seed.

467863. Firlbecks Perle. Germany, Federal Rep of. Annual. Cultivated. Seed.

467864. Nungesser Trumpf. Germany, Federal Rep of. Annual. Cultivated. Seed.

467865. Breuns Villa. Germany, Federal Rep of. Annual. Cultivated. Seed.

467866. Firlbecks Union. Germany, Federal Rep of. Annual. Cultivated. Seed.

467867. Breuns Wisä. Germany, Federal Rep of. Annual. Cultivated Seed.

467868. *Hordeum vulgare* L. (Poaceae) Barley.

From Romania. Research Institute for Cereals and Industrial Plants, Fundulea.

Received February 1982.

Intensiv 2. Romania. Released in 1970. Annual. Cultivated. Seed.

467869 TO 467881. *Beta vulgaris* L. (Chenopodiaceae) Sugarbeet.

From China, Peoples Repub of. Institute of Crop Germplasm Resources, Chinese Academy of Agricultural Sciences, Beijing.

Received March 1982.

467869. Fan yu 1. China, Peoples Repub of. Cultivated. Seed.

467870. Fan yu 2. China, Peoples Repub of. Cultivated. Seed.

467871. Gong fan 1. China, Peoples Repub of. Cultivated. Seed.

467872. Gong nong 1. China, Peoples Repub of. Cultivated. Seed.

467873. Nei meng 5. China, Peoples Repub of. Cultivated. Seed.

467874. Shuang feng 5. China, Peoples Repub of. Cultivated. Seed.

467875. Shuang feng 6. China, Peoples Repub of. Cultivated. Seed.

467876. Shuang feng 8. China, Peoples Repub of. Cultivated. Seed.

467877. Shuang feng 303. China, Peoples Repub of. Cultivated. Seed.

467878. Shuang feng 304. China, Peoples Repub of. Cultivated. Seed.

467879. Tao yu 1. China, Peoples Repub of. Cultivated. Seed.

467880. Tao yu 2. China, Peoples Repub of. Cultivated. Seed.

467881. Tien yen 5. China, Peoples Repub of. Cultivated. Seed.

467882. *Avena sativa* L. (Poaceae) Common oat.

From United States. Wyoming Agricultural Experiment Station, Univ. of Wyoming, and USDA, Agricultural Research Service, Laramie, Wyoming and Aberdeen, Idaho.

Received February 1982.

74Ab2300. 'Border'. United States. 'Otana'//Coker X848-1-1-2/'Cayuse'. Cultivar. Seed.

467883. *Pennisetum americanum* (L.) Leeke (Poaceae) Pearl millet.

From Sudan. A. Ahmadi and R. Croston, Plant Breeding Section, Gezira Research Station and FAO/IBPGR, Wan Medani, Sudan and Rome, Italy.

Received March 1982.

467883-continued

50. Sudan. Collected December 04, 1981. Store, Toron  
Tonga village, Jebel Marra area, Darfur Province. 2400M.  
Lat. 12 deg. 55' N, Long. 24 deg. 18' E. Contaminant in  
PI 462373, Sorghum bicolor. Cultivated. Seed.

467884. *Hordeum vulgare* L. (Poaceae) Barley.

From United States. Montana Agricultural Experiment Station and  
Agricultural Research Service, USDA, Montana State Univ.,  
Bozeman, Montana.  
Received March 1982.

'Mobet'. United States. 'Modjo' x 'Betzes'. Two rowed,  
spring type. Straw midtall. Spikes usually partly  
enclosed, nodding, lax. Rachilla long haired. Awns rough.  
Seeds mid-size to large. Aleurone yellow. Resistant to  
seed transmission of barley stripe mosaic virus (BSMV).  
Annual. Cultivated. Seed.

467885 TO 467969. *Medicago sativa* L. (Fabaceae) Alfalfa.

From United States. A.C. Wilton,, Northern Great Plains Research  
Laboratory, U.S. Department of Agriculture, Mandan, North  
Dakota. Received through 1980 Domestic-Canada *Medicago*  
Germplasm Collection.  
Received November 1981.

467885. 1A. United States. Collected July 24, 1980. Level field,  
R. Dougherty farm, Driscoll, North Dakota. 561M. SW1/4,  
S9, 139N, 74W. Collected by Wilton, Lorenz, and Ries.  
From a field of Grimm seeded in 1940's. Mixed with  
bromegrass and crested grass. Alkali spots in field.  
Little disease, but heavy grasshopper infestation. Used  
for grazing and hay. Cultivated. Seed.
467886. 1B. United States. Collected July 29, 1980. Level field,  
R. Dougherty farm, Driscoll, North Dakota. 588M. NW1/4,  
S4, 139N, 74W. Collected by Wilton, Lorenz, and Ries.  
From a field of Ladak seeded in 1950's in an old field of  
Grimm. Mixed with bromegrass and crested grass. Flowers  
purple. Pods curled. Considerable root rot. Used for  
grazing and hay. Cultivated. Seed.
467887. 1C. United States. Collected July 29, 1980. Ridgetop, R.  
Dougherty farm, Driscoll, North Dakota. 639M. NW1/4, S4,  
139N, 74W. Collected by Wilton, Lorenz, and Ries. Grimm/  
Ladak in an old field of Grimm seeded in 1950's. Mixed  
with bromegrass and Russian thistle. Plants very large,  
little competition. Heavy grasshopper infestation. Used  
for grazing and hay. Cultivated. Seed.
467888. 2. United States. Collected July 29, 1980. Midslope, F.  
Brolin farm, Tuttle, North Dakota. 633M. NE1/4, S2, 143N,  
74W. Collected by Wilton, Lorenz, and Ries. From a field

467885 TO 467969-continued

- of Ladak seeded in 1950's. Mixed with bromegrass and Russian thistle. Plants erect, tap-rooted. Leaves long. Flowers purple. Pods three-curved. Severe root rot. Used for grazing and hay. Cultivated. Seed.
467889. 3. United States. Collected July 29, 1980. Upper slope, P. Stober farm, McClusky, North Dakota. 633M. NW1/4, S35, 147N, 75W. Collected by Wilton, Lorenz, and Ries. From a field of Grimm seeded about 1963. Mixed with bromegrass. Plants erect, tap-rooted. Leaves large. Flowers purple. Pods curled. Minor root rot problem. Used for grazing and hay. Cultivated. Seed.
467890. 4A. United States. Collected July 29, 1980. Pasture, upper slope, R. Lehmann farm, McClusky, North Dakota. 648M. NW1/4, S22, 145N, 76W. Collected by Wilton, Lorenz and Ries. From a field of Grimm or Ladak seeded in late 1940's. Mixed with bromegrass and crested grass. Plants slightly branched. Flowers variegated. Used for grazing. Cultivated. Seed.
467891. 4B. United States. Collected July 29, 1980. Pasture, upper slope, R. Lehmann farm, McClusky, North Dakota. 648M. NW1/4, S22, 145N, 76W. Collected by Wilton, Lorenz and Ries. From a field of Ladak seeded in late 1940's. Mixed with bromegrass and crested grass. Flowers variegated. Ungrazed. Cultivated. Seed.
467892. 4C. United States. Collected July 29, 1980. Pasture, upper slope, R. Lehmann farm, McClusky, North Dakota. 648M. NW1/4, S22, 145N, 76W. Collected by Wilton, Lorenz and Ries. From a field of Ladak seeded in late 1940's. Mixed with bromegrass and crested grass. Plants volunteers in rock pile, large, with much prior year's growth. Flowers variegated. Plants seldom grazed. Cultivated. Seed.
467893. 5. United States. Collected July 29, 1980. Level field, C. Neff farm, McClusky, North Dakota. 645M. SE1/4, S32, 147N, 77W. Collected by Wilton, Lorenz and Ries. From a field of Ladak seeded in 1960's. Mixed with bromegrass. Plants occasionally with branched roots. Flowers purple. Used for grazing and hay. Cultivated. Seed.
467894. 6. United States. Collected July 29, 1980. Field, sandy silt, 1.6km E of Turtle Lake City, W of Lake Williams. 618M. SW1/4, S27, 147N, 80W. Collected by Wilton and Lorenz. Seeded about 1938-1940, a letter of authorization project. Field managed by H. Nordwall and L. Zingg. Mixed with crested grass. Plants extremely large, tap roots greater than 5.1cm diameter. Crown fills a three gallon pail. Severe root rot. Used for hay. Cultivated. Seed.

467885 TO 467969-continued

467895. 7. United States. Collected July 29, 1980. Upper slope, shallow, gravelly soil, F. Anderson farm, Ruso, North Dakota. 599M. N1/2, S24, 150N, 80W. Collected by Wilton and Lorenz. From a field of Vernal seeded in 1952. Roots branched. Crowns diseased. Flowers variegated. Mixed with crested grass. Stand excellent. Used for grazing. Cultivated. Seed.
467896. 8. United States. Collected July 30, 1980. Upper slope, thin soil, M. Whitebear farm, Emmet, North Dakota. 567M. NW1/4, S12, 147N, 87W. Collected by Wilton and Lorenz. Seeded in 1960. Plowed in 1970. Plants escaped or from seed left after plowing. Stand light, mixed with crested grass. Roots branched. Flowers purple. Used for grazing and hay. Cultivated. Seed.
467897. 9. United States. Collected July 30, 1980. Midslope, O. Hagstrom farm, Wilton, North Dakota. 579M. NW1/4, S13, 143N, 79W. Collected by Wilton and Lorenz. Seeded in 1955. Stand good, mixed with crested grass. Roots branched. Flowers purple. Pods curled. Some root rot. Used for hay. Cultivated. Seed.
467898. 10. United States. Collected July 30, 1980. Machinery yard, midlope, H. Solberg farm, Bismarck, North Dakota. 621M. NW1/4, S22, 140N, 79W. Collected by Wilton and Lorenz. From a field of Ladak seeded in 1940's. Mixed with bromegrass and crested grass. Many grasshoppers. Used for hay. Cultivated. Seed.
467899. 31. United States. Collected August 11, 1980. Lower slope, D. Dorr farm, Gackle, North Dakota. NE1/4, NW1/4, S33, 136N, 67W. Collected by Wilton. Seeded in early 1950's, possibly to Ranger. Cultivated. Seed.
467900. 39. United States. Collected August 13, 1980. C. Guy, Veblem, South Dakota. 552M. Collected by Wilton. From a field of Ranger or O-19 (from Cargill) seeded in 1956. Cultivated. Seed.
467901. 42. United States. Collected August 19, 1980. Valley, A. Mesmer farm, Mott, North Dakota. 720M. S14, 135N, 83W. Collected by Wilton. From a field of Ranger seeded in 1950's. Mixed with millet. Used for grazing and hay. Cultivated. Seed.
467902. 48. United States. Collected August 21, 1980. A. Lee farm, Rapid City, South Dakota. 1200M. Collected by Wilton. Seeded in 1940. Mixed with bromegrass. Flowers purple. Pods curled. Used for hay. Cultivated. Seed.
467903. 49. United States. Collected August 22, 1980. Level



467885 TO 467969-continued

- field, W. Quinn farm, New Underwood-Wiskerville, South Dakota. 744M. Collected by Wilton. Seeded in 1963. Flowers purple. Cultivated. Seed.
467904. 50. United States. Collected August 22, 1980. Level field, Knepe farm, New Underwood-Wiskerville, South Dakota. 744M. Collected by Wilton. Located across road from Quinn farm. Seeded in 1955. Flowers purple. Cultivated. Seed.
467905. 51A. United States. Collected August 22, 1980. Level field, W. White farm, E of Rapid City, New Underwood-Wiskerville, SD. Collected by Wilton. From a field of Grimm seeded in 1938-1940. Mixed with bromegrass and crested grass. Flowers purple. Seed from 1977 crop. Used for hay. Cultivated. Seed.
467906. 51B. United States. Collected August 22, 1980. Level field, W. White farm, E of Rapid City, New Underwood-Wiskerville, SD. Collected by Wilton. From a field of Grimm seeded in 1938-1940. Mixed with bromegrass and crested grass. Flowers purple. Seed from 1980 crop. Used for hay. Cultivated. Seed.
467907. 52. United States. Collected August 22, 1980. Upper slope, B. Colman farm, New Underwood-Wiskerville, South Dakota. Collected by Wilton. Extremely dry site. Mixed with bromegrass and crested grass. Cultivated. Seed.
467908. 53. United States. Collected August 22, 1980. E. Simon farm, New Underwood-Wiskerville, South Dakota. Collected by Wilton. Field flat, low, could be subirrigated. Seeded more than 50 years ago. Flowers purple. Cultivated. Seed.
467909. 63. United States. Collected September 23, 1980. C. Marcy farm, 9.7km W, 8.1km S, 1.6km W, 9.7km S of Rushville, Nebraska. T30N R45W. Collected by Wilton. Four degree slope to north. Stand 25 years old. Pods two curled. Cultivated. Seed.
467910. 64. United States. Collected September 24, 1980. Irrigated field, G. Burback farm, 6.4km E, 3.2km N of Scottsbluff, NE. Collected by Wilton. Seeded in 1950. Flowers purple. Good seed producer. Some gopher damage. Used for hay and seed. Cultivated. Seed.
467911. 65. United States. Collected September 24, 1980. Sandy, unfertilized old river bed, Lyle Hall farm, 2302W19, Scottsbluff, NE. Collected by Wilton. Seeded in 1954-55. Pods curled. Cultivated. Seed.
467912. 66. United States. Collected September 24, 1980. Hayhurst farm, 3.2km W on 20th, 1.6km S of Scottsbluff,

467885 TO 467969-continued

- Nebraska. Collected by Wilton. Seeded in 1951. Plants coarse, growing near building. Flowers purple. Cultivated. Seed.
467913. 67. United States. Collected September 25, 1980. Todd farm, S side of W Overland Ave., at Bryant St. jct., Scottsbluff, NE. Collected by Wilton. Seeded in 1944. Flowers purple. Heavy selection pressure from drought. Cultivated. Seed.
467914. 68. United States. Collected September 25, 1980. R. Holmes farm, Hwy 88, 19.3km SW of Bridgeport, Nebraska. Sec. 31 T19N R51W. Collected by Wilton. Seeded in 1954. Flowers purple. Pods curled. Irrigated twice each year, three cuts. Cultivated. Seed.
467915. 69. United States. Collected September 25, 1980. Dry, sandy, hardpan soil, L. Hoxworth farm, 4.8km S, 1.6km W of Bridgeport. Collected by Wilton. From a field of Ranger seeded in late 1950's. Flowers purple. Cultivated. Seed.
467916. 70. United States. Sandy soil, O. Corman farm. T19N R50W, 10.5km S on 88, 0.4km S on branch, 1.6km E, 0.8km S from Bridgeport, Nebraska. Collected by Wilton. Seeded 18-20 years ago. Plants extremely variable. Flowers purple. Cultivated. Seed.
467917. 71. United States. Collected September 25, 1980. F. Sandoz farm, Ellsworth, Nebraska. Collected by Wilton. From a field of Ranger (registered) seeded in 1949. Roots tap type. Flowers purple. Pods mostly three curl, some one curl. Used for hay. Cultivated. Seed.
467918. 72. United States. Collected September 26, 1980. F. Yauney farm, 40.3km N, 11.3km W of Hyanis, Nebraska. T27N 39W. Collected by Wilton. From a field of registered Ranger seed, seeded in 1948. Sandy soil 1.2m deep with clay underlayer. Cultivated. Seed.
467919. 73A. United States. Collected September 26, 1980. Buell & Barney Circle Ranch, 0.4km N of ranch buildings, Rose, Nebraska. Collected by Wilton. Seeded in 1930-1940. Flowers purple. Pods curled two to four times. Top soil black, flooding damage. One cut and some grazing in November. Cultivated. Seed.
467920. 73B. United States. Collected September 26, 1980. Buell & Barney Circle Ranch, 0.8km SW of building, Rose, Nebraska. Collected by Wilton. Plants numerous, small. Flowers purple. Pods curled. Probably same origin as 73A, appears to be increasing where livestock have been fed from hay stacks. Cultivated. Seed.

467885 TO 467969-continued

467921. 74A. United States. Collected September 27, 1980. Sandy loam underlain with clay, G. Burkhardt farm, Verdigre, Nebraska. NE1/4 Sec. 25 T30 R7W. Collected by Wilton. Seeded in 1952 with local seed. Flowers variegated, occasionally yellow. Cultivated. Seed.
467922. 76B. United States. Collected September 27, 1980. Sandy soil, D. Case farm, Bloomfield, Nebraska. Collected by Wilton. Seeded in 1941. Leaves large. Flowers variegated. Cultivated. Seed.
467923. 77. United States. Collected September 27, 1980. L.Haineraich farm, 16.1km W, 9.7km N, 1.6km W, 1.6km N of Verdigre, NE. T31N R8W. Collected by Wilton. Plants sparse in very old stand. Cultivated. Seed.
467924. 101A. United States. Collected August 05, 1980. Level water entrapment area, D. Strobel farm, Fallon, Montana. 510M. NW1/4 Sec. 2 R55E T12N. Collected by Lorenz and Klein. From a field of Grimm seeded in early 1960's. Stand fair, mixed with crested grass. Flowers purple. Pods two curled. Used for hay. Cultivated. Seed.
467925. 101B. United States. Collected August 05, 1980. Level water entrapment area, D. Strobel farm, Fallon, Montana. 510M. SW1/4 Sec. 2 R55E T12N. Collected by Lorenz and Klein. From a field of Grimm seeded in 1960's. Stand fair, about 0.8km S of 101A, mixed with crested grass. Flowers purple. Pods two curled. Cultivated. Seed.
467926. 102A. United States. Collected August 05, 1980. Level clay field, along Whitney creek, P.J. Shumaker farm, Mildred, Montana. 750M. Sec. 22 R53E T10N. Collected by Lorenz and Klein. From a field of Grimm seeded in late 1930's. Stand excellent, mixed with wheatgrass. Flowers purple. Pods two curled. Used for winter grazing, and for seed production. Cultivated. Seed.
467927. 102B. United States. Collected August 05, 1980. Level sandy soil, along Whitney creek, P.J. Shumaker farm, Mildred, Montana. 750M. Sec. 22 R53E T10N. Collected by Lorenz and Klein. From a field of Grimm seeded in late 1930's. Stand excellent, mixed with wheatgrass. Flowers purple. Pods two curled. Used for winter grazing, and seed production. Cultivated. Seed.
467928. 102C. United States. Collected August 05, 1980. Along cattle trails, P.J. Schumaker farm, Mildred, Montana. 750M. Sec. 22 R53E T10N. Collected by Lorenz and Klein. From an old field of Grimm. Stand excellent, mixed with wheatgrass. Flowers purple. Pods two curled. Plants volunteered along cattle trails and out into the range.

467885 TO 467969--continued

Used for grazing and hay. Wild. Seed.

467929. 103. United States. Collected August 05, 1980. A. Mathiason farm, Mildred, Montana. 480M. W1/2 Sec. 29 R54E T11N. Collected by Lorenz and Klein. From a field of Ranger seeded in late 1940's. Stand fair, mixed with bromegrass and foxtail grass. Flowers purple. Pods two curled. Used for hay. Cultivated. Seed.
467930. 104A. United States. Collected August 05, 1980. Subirrigated sandy, gravelly soil, J. Roos farm, Terry, Montana. 653M. Sec. 14 R50E T15N. Collected by Lorenz and Klein. From a field of Grimm seeded in late 1930's. Stand poor, mixed with crested grass. Flowers purple. Pods two curled. Used for hay. Cultivated. Seed.
467931. 104B. United States. Collected August 05, 1980. Subirrigated sandy, gravelly soil, J. Roos farm, Terry, Montana. 653M. Sec. 14 R50E T15N. Collected by Lorenz and Klein. From a field of Grimm seeded in late 1930's. Stand poor, mixed with crested grass. Flowers purple. Pods two curled. Seed taken from a draw in same field as 104A. Used for hay. Cultivated. Seed.
467932. 105A. United States. Collected August 05, 1980. Terraced field, F. Schwartz farm, Terry, Montana. 504M. N1/2 Sec. 24 R48E T16N. Collected by Lorenz and Klein. From a field of Grimm seeded in early 1960's. Stand good, mixed with bromegrass and crested grass. Flowers purple. Pods two curled. Used for hay. Cultivated. Seed.
467933. 105B. United States. Collected August 05, 1980. Top of terrace dikes, F. Schwartz farm, Terry, Montana. 504M. N1/2 Sec. 24 R48E T16N. Collected by Lorenz and Klein. From a field of Grimm seeded in early 1960's. Stand good, mixed with bromegrass and crested grass. Flowers purple. Pods two curled. Used for hay. Cultivated. Seed.
467934. 107A. United States. Collected August 06, 1980. Meadow along creek bottom, J. Doran farm, Miles City, Montana. 855M. Sec. 28 R45E T13N. Collected by Lorenz and Klein. From a field of Grimm seeded in 1951. Stand good, mixed with millet. Flowers purple. Pods two curled. Cultivated. Seed.
467935. 107B. United States. Collected August 06, 1980. Meadow along creek bottom, J. Doran farm, Miles City, Montana. 855M. Sec. 28 R45E T13N. Collected by Lorenz and Klein. From an old field of Grimm. Stand good, mixed with millet. Flowers purple. Pods two curled. Volunteer plants in native range. Wild. Seed.
467936. 108. United States. Collected August 06, 1980. Weedy

467885 TO 467969-continued

- area, J. Pfaffe farm, Miles City, Montana. 849M. Sec. 28. Collected by Lorenz and Klein. Seeded in 1965. Stand poor, little seed, mixed with timothy, bromegrass, and red clover. Flowers purple. Pods two curled. Used for hay. Cultivated. Seed.
467937. 109. United States. Collected August 06, 1980. Janitell Range, Miles City, Montana. 825M. Sec. 13 R44E T14N. Collected by Lorenz and Klein. From a field of Ranger seeded in late 1950's. Stand poor quality, mixed with bromegrass. Plants erect. Flowers purple. Pods two curled. Used for hay. Cultivated. Seed.
467938. 110A. United States. Collected August 07, 1980. Sandy slope, K. Coulters farm, Brusset, Montana. 870M. Sec. 13 R34E T19N. Collected by Lorenz and Klein. From a field of Grimm seeded in 1951. Stand poor, mixed with bluegrass. Plants spreading into range. Flowers purple. Pods two curled. Used for grazing and hay. Cultivated. Seed.
467939. 110B. United States. Collected August 07, 1980. Level area, K. Coulters farm, Brusset, Montana. 870M. Sec. 13 R34E T19N. Collected by Lorenz and Klein. From a field of Grimm seeded in 1951. Stand poor, mixed with bluegrass. Flowers purple. Pods two curled. Used for grazing and hay. Cultivated. Seed.
467940. 111. United States. Collected August 07, 1980. Yard, level area, J. Kariotis farm, Brusset, Montana. 897M. Sec. 18 R34E T20N. Collected by Lorenz and Klein. Stand poor, mixed with bromegrass and crested grass. Flowers purple. Pods one and two curled. Used for grazing and hay. Cultivated. Seed.
467941. 112. United States. Collected August 07, 1980. Nonirrigated, level site, F. Witt farm, Sand Springs, Montana. 765M. Sec. 6 R32E T18N. Collected by Lorenz and Klein. From a field of Ladak seeded in 1940's. Stand good, mixed with timothy, bromegrass, and red clover. Flowers variegated. Pods one curled. Cultivated. Seed.
467942. 113. United States. Collected August 07, 1980. Steep hillside, midslope, thin soil, F. Witt farm, Sand Springs, Montana. 777M. Sec. 6 R32E T18N. Collected by Lorenz and Klein. From a field of Ladak seeded in 1940's. Stand fair, mixed with bromegrass and junegrass. Plants volunteered. Flowers variegated. Pods one curled. Used for grazing. Wild. Seed.
467943. 114. United States. Collected August 07, 1980. Thin, upland soil, F. Witt farm, Sand Springs, Montana. 762M. S6, R32E, T18N. Collected by Lorenz and Klien. From a field of Ladak seeded in 1940's. Stand good. Flowers

467885 TO 467969-continued

variegated. Pods one curled. Cultivated. Seed.

467944. 115. United States. Collected August 07, 1980. Meadow along creek, R. Shaw farm, Mosby, Montana. 804M. S35, R32E, T15N. Collected by Lorenz and Klein. From a field of Ladak seeded in late 1930's. Stand poor. Flowers variegated. Pods one curled. Used for grazing and hay. Cultivated. Seed.
467945. 116A. United States. Collected August 07, 1980. Hillside, R. Shaw farm, Mosby, Montana. 804M. S35, R32E, T15N. Collected by Lorenz and Klein. From a field of Ladak seeded in late 1930's. Stand poor, mixed with crested grass. Flowers variegated. Pods one curled. Used for grazing and hay. Cultivated. Seed.
467946. 116B. United States. Collected August 07, 1980. Level area, R. Shaw farm, Mosby, Montana. 804M. S35, R32E, T15N. Collected by Lorenz and Klein. From a field of Ladak seeded in late 1930's. Stand poor, located in small black sage, crested wheatgrass area near house. Flowers variegated. Pods one curled. Used for grazing and hay. Cultivated. Seed.
467947. 116C. United States. Collected August 07, 1980. Level hardpan site, R. Shaw farm, Mosby Montana. 804M. S35, R32E, T15N. Collected by Lorenz and Klein. From a field of Ladak seeded in late 1930's. Stand poor, mixed with crested grass. Flowers variegated. Pods one curled. Used for grazing and hay. Cultivated. Seed.
467948. 116D. United States. Collected August 07, 1980. Salty area, R. Shaw farm, Mosby, Montana. 804M. S35, R32E, T15N. Collected by Lorenz and Klein. From a field of Ladak seeded in late 1930's. Stand poor, mixed with crested grass. Flowers variegated. Pods one curled. Used for grazing and hay. Cultivated. Seed.
467949. 116E. United States. Collected August 07, 1980. Level area, R. Shaw farm, Mosby, Montana. 804M. S35, R32E, T15N. Collected by Lorenz and Klein. From a field of Ladak seeded in late 1930's. Stand poor, in black sage and bitter bush area. Flowers variegated. Pods one curled. Used for grazing and hay. Cultivated. Seed.
467950. 116F. United States. Collected August 07, 1980. Lakeside, level area, R. Shaw farm, Mosby, Montana. 804M. S35, R32E, T15N. Collected by Lorenz and Klein. From an old field of Grimm. Stand poor quality, mixed with crested grass. Flowers variegated. Pods one curled. Used for grazing and hay. Cultivated. Seed.
467951. 151A. United States. Collected August 19, 1980.

467885 TO 467969-continued

- Hayfield, upper slope, R. Sanders farm, Alexander, North Dakota. 605M. N1/2, S18, R100W, T150N. Collected by Lorenz. Stand fair, mixed with crested grass. Flowers mostly purple, some yellow. Pods one to two curled. Used for hay. Cultivated. Seed.
467952. 151B. United States. Collected August 19, 1980. Field #2, midslope, R. Sanders farm, Alexander, North Dakota. 605M. SE1/4, S2, R101W, T150N. Collected by Lorenz. Stand fair. Flowers mostly purple, a few yellow. Pods one to two curled. Used for hay. Cultivated. Seed.
467953. 151C. United States. Collected August 19, 1980. Field #3, midslope, R. Sanders farm, Alexander, North Dakota. 605M. S3, R101W, T150N. Collected by Lorenz. Stand fair. Flowers purple. Pods two curled. Used for hay. Cultivated. Seed.
467954. 152. United States. Collected August 02, 1980. Overflow area, G. Larson farm, Culbertson, Montana. 594M. SW1/4, S1, R56E, T28N. Collected by Lorenz. Stand fair, mixed with crested grass. Flowers variegated. Pods one curled. Used for hay. Cultivated. Seed.
467955. 153A. United States. Collected August 20, 1980. Sandy soil, midslope, W. Christoffersen farm, Froid, Montana. 633M. SW1/4, S31, R56E, T30N. Collected by Lorenz. From a field of Ladak seeded in 1969. Stand good, mixed with bromegrass. Plants vigorous. Flowers purple. Pods one curled. Used for grazing and hay. Cultivated. Seed.
467956. 153B. United States. Collected August 20, 1980. Midslope, W. Christoffersen farm, Froid, Montana. 633M. Between S29-S30, R56E, T30N. Collected by Lorenz. Seeded before 1940. Stand good, mixed with bromegrass. Plants very old. Flowers variegated. Pods one curled. Used for grazing and hay. Cultivated. Seed.
467957. 153C. United States. Collected August 20, 1980. Next to transformer station, midslope, W. Christoffersen farm, Froid, MT. 633M. N1/2, S30, R56E, T30N. Collected by Lorenz. Stand good, mixed with bromegrass. Plants very short, grazed every year. Flowers variegated. Pods two curled. Used for grazing and hay. Cultivated. Seed.
467958. 154. United States. Collected August 20, 1980. Near dike of water spreading system, J. Warmbrod farm, Wolf Point, Montana. 639M. N1/2, S11, R46E, T28N. Collected by Lorenz. Stand good, mixed with bromegrass and foxtail grass. Roots strongly spreading. Flowers purple. Pods one curled. Used for grazing and hay. Cultivated. Seed.
467959. 155. United States. Collected August 20, 1980. Coarse

467885 TO 467969-continued

- soil, SW of dike of water spreading sys., J. Warmbrod farm, Wolf Pt. 639M. S11, R46E, T28N. Collected by Lorenz. Seeded in late 1940's. Stand good, mixed with bromegrass and foxtail grass. Flowers variegated. Pods two curled. Used for grazing and hay. Cultivated. Seed.
467960. 156. United States. Collected August 21, 1980. Irrigated area along Miles River, B. Brosseau farm, Saco, Montana. 657M. W1/2, S11, R33E, T32N. Collected by Lorenz. From a field of Grimm seeded in late 1940's. Stand excellent, mixed with bromegrass. Flowers variegated. Pods two curled. Used for hay. Cultivated. Seed.
467961. 157. United States. Collected August 21, 1980. Valley, dry claypan area, B. Brosseau farm, Saco, Montana. 657M. W1/2, S11, R33E, T32N. Collected by Lorenz. Volunteered plants, from an old field of Grimm. Stand good, mixed with bromegrass and junegrass. Plants very healthy, very old. Flowers yellow. Pods two curled. Cultivated. Seed.
467962. 158. United States. Collected August 21, 1980. Spiked field, level area, A. Koss farm, Malta, Montana. 786M. N1/4, S10, R32E, T24N. Collected by Lorenz. From a field of Grimm seeded in 1950. Stand fair, mixed with timothy, bromegrass and red clover. Soil very dry, heavy. Flowers purple. Pods two curled. Used for grazing and hay. Cultivated. Seed.
467963. 159. United States. Collected August 21, 1980. Level overflow area, A. Koss farm, Malta, Montana. 786M. NE1/4, S10, R33E, T24N. Collected by Lorenz. From a field of Grimm seeded in 1942. Stand fair, mixed with timothy, bromegrass, and red clover. Field tilled every 5-7 years. Flowers purple. Pods two curled. Used for grazing and hay. Cultivated. Seed.
467964. 160. United States. Collected August 21, 1980. Bottom of creek, A. Koss farm, Malta, Montana. 809M. N1/2, S35, R32E, T24N. Collected by Lorenz. From a field of Grimm seeded before 1908. Stand fair. Flowers purple. Pods two curled. Used for grazing. Cultivated. Seed.
467965. 161. United States. Collected August 21, 1980. Rivermouth of Johnson Coulee at Telegraph Creek, A. Koss farm, Malta, MT. 786M. S1/2, S35, R32E, T24N. Collected by Lorenz. From a field of Grimm seeded before 1910. Stand fair, mixed with bromegrass and junegrass. Plants volunteered. Flowers purple. Pods two curled. Used for grazing. Cultivated. Seed.
467966. 162. United States. Collected August 21, 1980. Level subirrigated area, W. Norman farm, Dodson, Montana. 795M. N1/2, S7, R27E, T27N. Collected by Lorenz. From a field



467885 TO 467969-continued

of Grimm seeded in 1961. Stand good, mixed with bromegrass and crested grass. Strong lateral root development. All roots badly rotted. Flowers purple. Pods two curled. Used for grazing and hay. Cultivated. Seed.

467967. 163. United States. Collected August 22, 1980. Bottoms, J. Metcalf farm, Stanford, Montana. 1080M. S35, R16E, T13N. Collected by Lorenz. From a field of Grimm seeded in 1955. Stand good, mixed with bromegrass. Flowers purple. Pods two curled. Used for hay. Cultivated. Seed.

467968. 164. United States. Collected August 22, 1980. Previously irrigated pasture, B. Crawford farm, Fort Benton, Montana. 780M. SW1/4, S31, R10E, T25N. Collected by Lorenz. From a field of Grimm seeded in 1950. Stand good. Flowers purple. Pods two curled. Used for grazing and hay. Cultivated. Seed.

467969. 165. United States. Collected August 22, 1980. Dry field, midslope, M. Bogner farm, Fort Benton, Montana. 918M. NW1/4, S13, R10E, T24N. Collected by Lorenz. Seeded in 1960. Stand fair, mixed with bromegrass and foxtail. Flowers purple. Pods two curled. Used for grazing and hay. Cultivated. Seed.

467970 TO 467983. *Medicago sativa* subsp. *falcata* (L.) Arc. (Fabaceae).

From United States. A.C. Wilton,, Northern Great Plains Research Laboratory, U.S. Department of Agriculture, Mandan, North Dakota. Received through 1980 Domestic-Canada *Medicago* Germplasm Collection.  
Received November 1981.

467970. 43. United States. Collected August 19, 1980. Valley, T. Lyman farm, Lemmon, South Dakota. East edge of Thunderhawk, 11.2km S, 1.6km E, 8.1km S, 1.6km E. Collected by Wilton. From a field of Hansen's introduction seeded in late 1920's. Plants prostrate. Roots fibrous. Flowers yellow. Pods sickle-shaped. Very little disease. Received as *Medicago falcata*. Cultivated. Seed.

467971. 44A. United States. Collected August 19, 1980. Level field, T. Kruse farm, Lemmon, South Dakota. South, 7.2km of Lemmon, west side of Highway 73. Collected by Wilton. From a field of Hansen's introduction seeded in 1915-1918. Stand excellent. Plants healthy. Roots fibrous. Flowers yellow. Pods sickle-shaped. Received as *Medicago falcata*. Cultivated. Seed.

467972. 44B. United States. Collected August 19, 1980. Level field, T. Kruse farm, Lemmon, South Dakota. Collected by

467970 TO 467983-continued

Wilton. Old seed stored in Kruse basement. Flowers supposedly yellow. Pods not sickle-shaped. Received as *Medicago falcata*. Cultivated. Seed.

467973. 45. United States. Collected August 19, 1980. Midslope, shallow, gravelly soil, C. Jesfield farm, Prairie City, SD. 756M. From Prairie City: 4.8km E, 17.7km N, Ranch east of road. Collected by Wilton. From a field of Hansen's introduction seeded in 1915-1918. Mixed with grama grass. Plants mostly decumbent. Roots spreading. Flowers yellow. Pods sickle-shaped. Received as *Medicago falcata*. Cultivated. Seed.
467974. 46. United States. Collected August 21, 1980. Ridge top, S. Selway farm, Deadwood, South Dakota. 1470M. Collected by Wilton. From a field of Hansen's introduction seeded in 1920's. Mixed with timothy, bromegrass, and red clover. Plants clumped, very dark green. Roots small, tap type. Flowers yellow. Pods sickle-shaped. Received as *Medicago falcata*. Cultivated. Seed.
467975. 58. United States. Collected August 25, 1980. Park on Hwy. 12, ridgetop, 0.8km E. of Lemmon, South Dakota. 633M. Sec. 25 T23N R16E. Collected by Wilton and Hofmann. From an old field of Hansen's introduction, mixed with bromegrass and crested grass. Flowers yellow. Used for hay. Received as *Medicago falcata*. Cultivated. Seed.
467976. 59. United States. Collected August 25, 1980. Pasture along Thunder Butte Creek, valley, R. Foster farm, Meadow, SD. 576M. Collected by Wilton and Hofmann. From a field of Semipalatinsk seeded before 1920. Stand isolated from other alfalfa, mixed with crested grass. Plants creeping type, fine stems, very leafy. Flowers yellow. Good seed producer. Creek flow has spread alfalfa many miles downstream. Used for grazing. Received as *Medicago falcata*. Cultivated. Seed.
467977. 60. United States. Collected August 25, 1980. Wetland, midslope, B. Schnells farm, Lemmon, South Dakota. 600M. Collected by Wilton and Hofmann. From an old field of Hansen's original introduction. Mixed with grama grass. Plants volunteers, numerous. Flowers yellow. Received as *Medicago falcata*. Cultivated. Seed.
467978. 61. United States. Collected August 26, 1980. Valley pasture, B. Smith farm, 0.8km S, 2.4km E of Lodgepole, South Dakota. 690M. Collected by Wilton and Hofmann. From a field of Hansen's introduction seeded before 1920. Mixed with crested grass. Flowers variegated to yellow. Plants grazed and harvested for seed, spread 1.6 - 4.8km. Volunteers appear healthy. Received as *Medicago falcata*. Cultivated. Seed.

467970 TO 467983-continued

467979. 62. United States. Collected August 26, 1980. Valley, S.D. State Univ., Antelope Field Station, Buffalo, South Dakota. 780M. T18N R7E. Collected by Wilton and Hofmann. From a field of a mixture of Ladak, Cossack and Hansen's introduction seeded 25-30 years ago. Mixed with wheatgrass. Plants volunteer into native prairie. Flowers yellow. Used for grazing and hay. Received as *Medicago facata*. Cultivated. Seed.
467980. 106A. United States. Collected August 06, 1980. Tilled area, J. Robinson farm, Powderville, Montana. 825M. Sec. 28 R51E T3N. Collected by Lorenz and Klein. Seeded in late 1930's or before. Stand fair, mixed with bromegrass and junegrass. Flowers yellow. Pods sickle-shaped. Received as *Medicago falcata*. Cultivated. Seed.
467981. 106B. United States. Collected August 06, 1980. J. Robinson farm, Powderville, Montana. 825M. Sec. 28 R51E T3N. Collected by Lorenz and Klein. Seeded in late 1930's or before. Stand fair, mixed with bromegrass and junegrass. Flowers yellow. Pods sickle-shaped. Seed from a single, narrow, spreading plant. Received as *Medicago falcata*. Cultivated. Seed.
467982. 106C. United States. Collected August 06, 1980. J. Robinson farm, Powderville, Montana. 825M. Sec. 28 R51E T3N. Collected by Lorenz and Klein. Seeded in late 1930's or before. Stand fair, mixed with bromegrass and junegrass. Flowers purple and yellow. Pods sickle-shaped. Received as *Medicago falcata*. Cultivated. Seed.
467983. 106D. United States. Collected August 06, 1980. J. Robinson farm, Powderville, Montana. 825M. Sec. 28 R51E T3N. Collected by Lorenz and Klein. Seeded in late 1930's or before. Mixed with bromegrass and junegrass. Flowers yellow. Seed from 1980 crop. Received as *Medicago falcata*. Cultivated. Seed.

467984 TO 468004. *Medicago sativa* subsp. *x varia* (Martyn) Arc.  
(Fabaceae).

From United States. A.C. Wilton,, Northern Great Plains Research Laboratory, U.S. Department of Agriculture, Mandan, North Dakota. Received through 1980 Domestic-Canada *Medicago* Germplasm Collection.  
Received November 1981.

467984. 27. United States. Collected August 11, 1980. Pasture, C. Schauer farm, 4km N and 4km W of Wishek, North Dakota. 132N, 71W. Seed purchased by Wilton from Levi elevator in Wishek. Seeded in 1950. Mixed bromegrass. Plants erect.

467984 TO 468004-continued

- Flowers purple. Used for grazing and hay. Received as *Medicago media*. Cultivated. Seed.
467985. 28A. United States. Collected August 11, 1980. Hilltop, L. Martel farm, Wishek, North Dakota. Sec. 30, 131N, 72W. Collected by Wilton. From a field of Grimm seeded in 1951. Mixed with bromegrass. Collection from low slope in alfalfa-brome field. Plants erect. Flowers purple. Roots badly diseased, taproots generally gone. Used for hay. Received as *Medicago media*. Cultivated. Seed.
467986. 28B. United States. Collected August 11, 1980. Sandy hilltop, L. Martel farm, Wishek, North Dakota. Sec. 30, 131N, 72W. Collected by Wilton. From a field of Grimm seeded in 1951. Mixed with bromegrass. Used for hay. Received as *Medicago media*. Cultivated. Seed.
467987. 29. United States. Collected August 11, 1980. Valley, H. Munsch farm, Fredonia, North Dakota. 564M. SW1/4, Sec. 32, 133N, 67W. Collected by Wilton. From a field of Grimm seeded in 1950's. Mixed bromegrass and foxtail grass. Dry site. Plants erect. Flowers purple. Pods curled two, three times. Some crown rot. Used for hay. Received as *Medicago media*. Cultivated. Seed.
467988. 30. United States. Collected August 11, 1980. Midslope, F. Geizler farm, Fredonia, North Dakota. 576M. N1/2, Sec. 10, 133N, 68W. Collected by Wilton. From a field of Grimm seeded in early 1950's. Mixed with bromegrass. Plants erect. Roots branched. Flowers purple. Some crown rot. Used for hay. Received as *Medicago media*. Cultivated. Seed.
467989. 32. United States. Collected August 12, 1980. L. Hansen farm, 4km W of Starlight Cafe on old Hwy 12. Aberdeen, SD. 405M. Collected by Wilton. From a field of Grimm seeded in early 1960's. Received as *Medicago media*. Cultivated. Seed.
467990. 33A. United States. Collected August 12, 1980. Level field, J. Elsing farm, 7.2km W and 1.6km S of Mansfield, SD. 390M. Collected by Wilton. From a field of Grimm seeded before 1920. Stand 50-60 years old. Mixed with crested grass. Roots tap type. Flowers purple and variegated. Received as *Medicago media*. Cultivated. Seed.
467991. 33B. United States. Collected August 12, 1980. Level field, J. Elsing farm, 7.2km W and 1.6km S of Mansfield, SD. 390M. Collected by Wilton. From a field of Grimm seeded in 1935. Used as hog pasture, then interseeded with crested wheatgrass. Received as *Medicago sativa*. Cultivated. Seed.

467984 TO 468004-continued

467992. 33C. United States. Collected August 12, 1980. Level field, J. Elsing farm, 7.2km W and 1.6km S of Mansfield, SD. 390M. Collected by Wilton. Mixed with crested grass. From an old field of Grimm. Received as *Medicago media*. Cultivated. Seed.
467993. 34. United States. Collected August 12, 1980. A.E.B. Dennert farm, 1.2km E of Westport, South Dakota. 420M. Collected by Wilton. From a field of Grimm seeded in 1950. Mixed with junegrass. Used for hay. Received as *Medicago media*. Cultivated. Seed.
467994. 35. United States. Collected August 13, 1980. Pasture, lower slope, D. Johnson farm, Britton, South Dakota. 522M. SW1/4, Sec. 2, 125N, 57W. Collected by Wilton. From a field of Grimm seeded in early 1940's. Mixed with bromegrass and junegrass. Plants erect. Flowers purple to variegated. Used for grazing. Received as *Medicago media*. Cultivated. Seed.
467995. 36. United States. Collected August 13, 1980. N. Bein farm, Norland Township, Veblen, South Dakota. W1/2, Sec. 7, SW1/4. Collected by Wilton. From a field of Vernal seeded in 1955. Soil heavy clay. Mixture of bluegrass, bromegrass, and timothy. Manure applied each year. Used for hay. Received as *Medicago media*. Cultivated. Seed.
467996. 37. United States. Collected August 13, 1980. East, 0.4km of Eden, N of highway, South Dakota. 543M. Collected by Wilton. From a field of Grimm seeded about 1950 with bromegrass. Growing on contour. Soil dark. Plants with tap roots. Flowers purple. Crown disease present. Received as *Medicago media*. Cultivated. Seed.
467997. 38. United States. Collected August 13, 1980. W. Jaspers farm, 0.8km W of Eden, S side of highway, South Dakota. Collected by Wilton. From a field of Grimm seeded in early 1940's. Soil medium dark. Received as *Medicago media*. Cultivated. Seed.
467998. 40. United States. Collected August 14, 1980. Shallow, gravelly soil, T. Ackerman farm, Reynold, North Dakota. 543M. SE1/4 Sec. 27, 149N, 51W. Collected by Wilton. Grimm first observed in field in 1948. Mixed with bromegrass and junegrass. Plants erect, tap-rooted. Leaves large. Used for grazing and hay. Received as *Medicago media*. Cultivated. Seed.
467999. 41. United States. Collected August 14, 1980. G. Gussiaas farm, Carrington, North Dakota. NW1/4 Sec. 20, 147N, 65W. Pasture on south edge of NW1/4. Collected by Wilton. From a field of Grimm seeded in early 1950's.

467984 TO 468004-continued

Used for grazing. Received as *Medicago media*. Cultivated. Seed.

468000. 57. United States. Collected August 23, 1980. Upper slope, E. J. Mertz farm, Bowdle, South Dakota. 540M. From Junction #12/47 - 3.2km E, 3.2km N, 1.6km W. Collected by Wilton. From a field of Cossack seeded in 1954. Flowers variegated. Used for hay. Received as *Medicago media*. Cultivated. Seed.
468001. 75. United States. Collected September 27, 1980. E. Beckman farm, 11.3km W, 4.8km S of Bloomfield, Nebraska. T30N R4W. Collected by Wilton. Seeded in 1955 or earlier. Flowers variegated. Received as *Medicago media*. Cultivated. Seed.
468002. 76A. United States. Collected September 27, 1980. D. Case farm, Bloomfield, Nebraska. Collected by Wilton. From a field of Ranger seeded in 1955-60. Sand over gravel. Flowers variegated. Received as *Medicago media*. Cultivated. Seed.
468003. 78. United States. Collected October 07, 1980. Midslope, D. Shaw farm, Morton County, North Dakota. 486M. NE1/4 Sec. 32 T140N R81W. Collected by Wilton and Barker. Seeded before 1955. Mixed with Russian thistle, stripas, western wheatgrass. Plants erect, tap roots. Used for hay. Received as *Medicago media*. Cultivated. Seed.
468004. 79. United States. Collected October 07, 1980. Midslope, M. Geiger farm, 22.5km N of Skelly Sta. 1.6km E, Oliver Co., ND. 609M. Sec. 2, R82W, T141N. Collected by Wilton. Seeded in 1940's. Mixed with timothy, bromegrass and red clover. Roots branching, spreading. Pods curled. Plants appeared to establish as roadside seedlings. Used for hay. Received as *Medicago media*. Wild. Seed.

468005. *Medicago* sp. (Fabaceae).

From United States. A.C. Wilton,, Northern Great Plains Research Laboratory, U.S. Department of Agriculture, Mandan, North Dakota. Received through 1980 Domestic-Canada *Medicago* Germplasm Collection.

Received November 1981.

74B. United States. Collected September 27, 1980. G. Burkhardt farm, Verdigre, Nebraska. Collected by Wilton. Cultivated. Seed.

468006 TO 468013. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Canada. A.C. Wilton,, Northern Great Plains Research

**468006 TO 468013-continued**

Laboratory, U.S. Department of Agriculture, Mandan, North Dakota. Received through 1980 Domestic-Canada Medicago Germplasm Collection.  
Received November 1981.

468006. C6-2. Canada. Collected September 03, 1980. Swift Current Research Station, Saskatchewan. Collected by Wilton and Irvine. From a field of Heindrick's introduction seeded in 1945. Snow covered area. Cultivated. Seed.
468007. C14. Canada. Collected September 05, 1980. Bater-Synder farm, 35.4km NW of Maymont, Saskatchewan. NE20-41-W3rd. Collected by Wilton. From a field of Grimm seeded about 1960. Flowers blue. Cultivated. Seed.
468008. C17. Canada. Collected September 07, 1980. Silt soil, J. Yaskow farm, 29.8km NE of Nepawin, Saskatchewan. SW13-52-12. Collected by Wilton. Seeded in early 1930. Pods tightly curled. Possibly not Grimm. Cultivated. Seed.
468009. C27. Canada. Collected September 10, 1980. Bertwill Community pasture at Carialls, Saskatchewan. Collected by Wilton. Seeded in 1960. Flowers purple. Outside fence, probably ungrazed. Cultivated. Seed.
468010. C28. Canada. Collected September 10, 1980. P. Lazinsky farm, 33.8km NE of Erwood, E. of Hudson Bay, Saskatchewan. Collected by Wilton. From a field of Grimm seeded in 1950. Flowers purple. Cultivated. Seed.
468011. C30. Canada. Collected September 11, 1980. Formerly research plots at the school grounds at Wabowden, Manitoba. Collected by Wilton. Mixed varieties. Flowers variegated. Cultivated. Seed.
468012. C31-1. Canada. Collected September 12, 1980. Near abandoned house, Fisher Branch, Manitoba. Tp24 R2W. Collected by Wilton and Senkow. Seeded over 12 years ago, possibly much earlier. Flowers purple. Possibly a Grimm derivative. Cultivated. Seed.
468013. C31-2. Canada. Collected September 12, 1980. Near abandoned house, Fisher Branch, Manitoba. Tp24 R2W. Collected by Wilton and Senkow. Seeded over 12 years ago, possibly, much earlier. Flowers purple. Possibly a Grimm derivative. Cultivated. Seed.

**468014 TO 468016. *Medicago sativa* subsp. *falcata* (L.) Arc. (Fabaceae).**

From Canada. A.C. Wilton,, Northern Great Plains Research Laboratory, U.S. Department of Agriculture, Mandan, North

**468014 TO 468016-continued**

Dakota. Received through 1980 Domestic-Canada Medicago  
Germplasm Collection.  
Received November 1981.

**468014.** C4. Canada. Collected September 01, 1980. J. Arthur farm, Alida, Saskatchewan. Collected by Wilton. Flowers variegated, several yellow. Used for hay. Cultivated. Seed.

**468015.** C12. Canada. Collected September 03, 1980. East, 0.2km of Swanson, Saskatchewan, on E-W road. Collected by Wilton and Hurd (Agricultural Representative). Seeded before 1950. Flowers mostly yellow, a few purple. Received as *Medicago falcata*. Cultivated. Seed.

**468016.** C16-2. Canada. Collected September 07, 1980. J. Yaskow farm, 29.8km NE of Nepawin, Saskatchewan. SW18-52-12. Collected by Wilton. Seeded in 1930-36. Flowers yellow. Received as *Medicago falcata*. Cultivated. Seed.

**468017 TO 468053. *Medicago sativa* subsp. *x varia* (Martyn) Arc.  
(Fabaceae).**

From Canada. A.C. Wilton,, Northern Great Plains Research Laboratory, U.S. Department of Agriculture, Mandan, North Dakota. Received through 1980 Domestic-Canada Medicago Germplasm Collection.  
Received November 1981.

**468017.** C1. Canada. Collected September 01, 1980. R. Galloway farm, 4.8km W of Estevan, Hwy 39. Collected by Wilton. From a field of Grimm seeded in late 1950's. Stand good. Plants upright, tap-rooted. Flowers purple. Used for hay. Received as *Medicago sativa*. Cultivated. Seed.

**468018.** C2. Canada. Collected September 01, 1980. J. Cinamon farm, 9.7km N, 0.8km E of Carnduff, Saskatchewan. NE34-3-32-1. Collected by Wilton. From a field of Grimm seeded in 1954. Plants upright. Flowers purple. Used for hay. Received as *Medicago media*. Cultivated. Seed.

**468019.** C3. Canada. Collected September 01, 1980. I. Phair farm, behind Senior Citizen home, Carnduff, Saskatchewan. Collected by Wilton. From a field of Grimm seeded in 1953. Used for hay. Received as *Medicago media*. Cultivated. Seed.

**468020.** C5. Canada. Collected September 03, 1980. Swift Current Res. Sta., Conway farm, 1.6km E. of main bldg., Saskatchewan. Collected by Wilton and Irvine. From a field of Ladak seeded in 1945. Received as *Medicago media*. Cultivated. Seed.



468017 TO 468053-continued

468021. C7. Canada. Collected September 03, 1980. Haverhill clay loam. Bradleys farm, 22.5km NW, Swift Current, Saskatchewan. Collected by Wilton and Irvine. From a field of Ladak seeded in 1950-1954. Plants tap-rooted. Used for hay. Received as *Medicago media*. Cultivated. Seed.
468022. C8. Canada. Collected September 02, 1980. Hillside, junction Hwy 32 and Nwy, 6.4km N of Swift Current, Saskatchewan. Collected by Wilton and Irvine. From a field of Rambler seeded in 1955-1960. Sandy loam soil. Flowers yellow and white. Received as *Medicago media*. Cultivated. Seed.
468023. C9. Canada. Collected September 02, 1980. G. Gerwing farm, E of Swanson, Saskatchewan. Collected by Wilton and Hurd (Agricultural Representative). From a field of Ladak seeded in 1950. Flowers variegated mostly purple. Received as *Medicago media*. Cultivated. Seed.
468024. C10. Canada. Collected September 02, 1980. G. Gerwing farm, E of Swanson, Saskatchewan. Collected by Wilton and Hurd (Agricultural Representative). From a field of Grimm seeded in 1950-1955. Flowers purple. Received as *Medicago media*. Cultivated. Seed.
468025. C11. Canada. Collected September 02, 1980. C. Brown farm, RR#3. Saskatoon, 0.8km N, 12.9km E, 0.8km N of Swanson, Sask. Collected by Wilton and Hurd (Agricultural Representative). From a field of Ladak seeded in 1956. Flowers purple and yellow. Received as *Medicago media*. Cultivated. Seed.
468026. C13-1. Canada. Collected September 04, 1980. Fence row by Plant Science Bldg., University of Saskatchewan. Collected by Wilton and Gapler. Seeded in 1920's. Received as *Medicago media*. Cultivated. Seed.
468027. C13-2. Canada. Collected September 04, 1980. Fence row by Plant Science Bldg., University of Saskatchewan. Collected by Wilton and Gapler. Seeded in 1920's. Flowers purple. Received as *Medicago media*. Cultivated. Seed.
468028. C15. Canada. Collected September 06, 1980. Woods' edge by trees, Polter farm, 3.2km N, 4km E, Dorintosh, Saskatchewan. NE30-62-18W3rd. Collected by Wilton. From a field of Grimm seeded in 1961. Some plants were typically *M. falcata* and others more *M. sativa*. Flowers purple and yellow. Received as *Medicago media*. Cultivated. Seed.
468029. C16-1. Canada. Collected September 07, 1980. Sandhill, J.

468017 TO 468053-continued

- Yaskow farm, 26.6km NE of Nepawin, Saskatchewan. SW18-52-12. Collected by Wilton. From a field of Grimm or possibly Rambler seeded in 1940. Flowers mostly purple. Pods tightly curled. A few yellow flowered plants with sickle-shaped pods. Received as *Medicago media*. Cultivated. Seed.
468030. C18-1. Canada. Collected September 07, 1980. Heavy clay soil, near creek, D. Black farm, 6.4km N, 0.8km W, Somme, Sask. S29-42-7W2nd. Collected by Wilton. From a field of Grimm seeded in 1950-55. Flowers predominantly purple, a few yellow or variegated. Used for hay. Received as *Medicago media*. Cultivated. Seed.
468031. C18-2. Canada. Collected September 07, 1980. D. Black farm, 6.4km N, 0.8km W of Somme, Saskatchewan. S29-42-7W2nd. Collected by Wilton. Seeded in 1956. Flowers purple and yellow. Used for hay. Received as *Medicago media*. Cultivated. Seed.
468032. C19. Canada. Collected September 08, 1980. Sandy ridge, Whiting farm, 6.4km S, 8.1km W, of Melfort, Saskatchewan. Collected by Wilton and Irvine. Stand 25-30 years old. Flowers variegated, 2% yellow. Seed absent from yellow flowers. Received as *Medicago media*. Cultivated. Seed.
468033. C20. Canada. Collected September 08, 1980. Barrier Lake community pasture at Makague, Saskatchewan. Collected by Wilton. Flowers variegated and yellow, high percentage of yellow. Received as *Medicago media*. Cultivated. Seed.
468034. C21. Canada. Collected September 09, 1980. Silty clay loam, fairgrounds, Canora, Saskatchewan. Collected by Wilton and Mysack. Seeded in 1953. Mixed alfalfa-brome area. Flowers variegated. Used for hay. Received as *Medicago media*. Cultivated. Seed.
468035. C23. Canada. Collected September 09, 1980. Light sandy loam soil, 11.3km W, 1.6km S, 7.2km W, 1.2km N of Canora, Sask. NW1/4, Sec. 30, Tp30, R6. SW2nd. Collected by Wilton and Mysack. From a field of Grimm seeded in 1960. Received as *Medicago media*. Cultivated. Seed.
468036. C24. Canada. Collected September 09, 1980. Sandy soil, 11.3km W, 1.6km S, 9.7km W of 9.7km W of Canora, Saskatchewan. NW Sec. 24, Tp30, R6, W2nd. Collected by Wilton and Mysack. From a field of Grimm seeded in 1953-1955. Mixed with brome. Plants erect. Flowers purple. Received as *Medicago media*. Cultivated. Seed.
468037. C25. Canada. Collected September 09, 1980. West, 11.3km, 1.6km S, 11.3km W of Canora, Saskatchewan. NE of Sec. 22, Tp3, R6, W2nd. Collected by Wilton and Mysack. From a

468017 TO 468053-continued

- field of Grimm seeded in 1960. Received as *Medicago media*. Cultivated. Seed.
468038. C26. Canada. Collected September 09, 1980. Gravelly loam soil, 3.2km W, 1.6km N, 1.2km E of Sheho, Saskatchewan. SE of Sec. 29, Tp30, R9, W2nd. Collected by Wilton and Mysack. Seeded in 1953-1954. Plants erect. Flowers mostly purple, several yellow. Received as *Medicago media*. Cultivated. Seed.
468039. C29. Canada. Collected September 11, 1980. Wood clearing, 48.3W of The Pas, near Wanless, Manitoba. Collected by Wilton. Seeded in 1951. Flowers variegated. Received as *Medicago media*. Cultivated. Seed.
468040. C32. Canada. Collected September 12, 1980. Gravelly loam soil, Poplar Lake, Manitoba. Tp26 R2W. Collected by Wilton and Senkow. Possibly from an old field of Vernal. Flowers variegated. Used for hay. Received as *Medicago media*. Cultivated. Seed.
468041. C33. Canada. Collected September 12, 1980. C. Pliszarski farm, Fisher Branch, Manitoba. Tp27 R3W. Collected by Wilton and Senkow. From a field of Vernal seeded in 1964. Received as *Medicago media*. Cultivated. Seed.
468042. C34. Canada. Collected September 12, 1980. C. Pliszarski farm, Fisher Branch, Manitoba. Tp27 R3W. Collected by Wilton and Senkow. From a field of Grimm seeded in 1962. Field different from C33. Flowers purple. Received as *Medicago media*. Cultivated. Seed.
468043. C35. Canada. Collected September 12, 1980. Sandy clay loam, C. Pliszarski farm, Fisher Branch, Manitoba. Tp27 R3W. Collected by Wilton and Senkow. From a field of Grimm seeded in 1940's. Flowers purple. Received as *Medicago media*. Cultivated. Seed.
468044. C36. Canada. Collected September 15, 1980. D. Thompson farm, Stead, Manitoba. Collected by Wilton. From a field of Vernal seeded in 1953, from breeders seed. Registered, clean seed for many years. Flowers about 5% yellow. Received as *Medicago media*. Cultivated. Seed.
468045. C37. Canada. Collected September 15, 1980. D. Thompson farm, Stead, Manitoba. Collected by Wilton. From a field of Vernal seeded in 1955. Flowers variegated. Plants not inoculated. Received as *Medicago media*. Cultivated. Seed.
468046. C38. Canada. Collected September 15, 1980. Sandy soil, D. Thompson farm, Stead, Manitoba. Collected by Wilton. From a field of Vernal seeded in 1955. Flowers variegated. Plants not inoculated. Received as *Medicago media*.

468017 TO 468053-continued  
Cultivated. Seed.

468047. C39-1. Canada. Collected September 15, 1980. K. Malcolm farm, 1.6km W, 4.8km S of Lake Francis, Manitoba. Collected by Wilton. Seeded in 1953. Flowers variegated, many yellow. Possibly a Grimm derivative. Received as *Medicago media*. Cultivated. Seed.
468048. C39-2. Canada. Collected September 15, 1980. K. Malcolm farm, 1.6km W, 4.8km S of Lake Francis, Manitoba. Collected by Wilton. From a field of Grimm seeded in 1953. Plants spread into adjoining field. Flowers variegated, some yellow. Received as *Medicago media*. Cultivated. Seed.
468049. C41. Canada. Collected September 16, 1980. M. Carbonelle farm, 30km NW of Somerset, 0.8 W of C40. Manitoba. Collected by Wilton and Sykes. From a field of Grimm seeded in 1960-1962. Flowers purple. Received as *Medicago media*. Cultivated. Seed.
468050. C42. Canada. Collected September 17, 1980. B. Holes farm, 4.8km S, 6.4km W, 4km S from Boisevave, Manitoba. Collected by Wilton. From an old field of Grimm. Flowers mostly purple. Received as *Medicago media*. Cultivated. Seed.
468051. C43. Canada. Collected September 17, 1980. E. Eher farm, 4.8km S, 11.3km W, 4.8km S from Boisevave, Manitoba. Collected by Wilton. From an old field of Vernal. Flowers variegated. Used for hay about 28 years. Received as *Medicago media*. Cultivated. Seed.
468052. C44. Canada. Collected September 17, 1980. M. Lesy farm, 9.7km S, 22.5km E of Deloraine, Manitoba. SW3-2-3. Collected by Wilton. Seeded in 1958. Flowers variegated. Cultivated. Seed.
468053. C45. Canada. Collected September 17, 1980. Ministry of Agri. farm, formerly federal res. sta., N of Deloraine, Man. Collected by Wilton. Plants in abandoned research plots. Flowers variegated. Cultivated. Seed.

468054 TO 468056. *Medicago* sp. (Fabaceae).

From Canada. A.C. Wilton,, Northern Great Plains Research Laboratory, U.S. Department of Agriculture, Mandan, North Dakota. Received through 1980 Domestic-Canada *Medicago* Germplasm Collection.  
Received November 1981.

468054. C6-1. Canada. Collected September 03, 1980. Swift Current Res. Sta., 0.4km E, 1.6km S of main building,

468054 TO 468056-continued

Saskatchewan. Collected by Wilton and Irvine. Seeded in 1945. Dry area. Cultivated. Seed.

468055. C22. Canada. Collected September 09, 1980. Ditch, clay soil, 11.3km W of Canora, Saskatchewan. NE26. Tp30 R5. Collected by Wilton and Mysack. Seeded in 1956. Flowers purple. Cultivated. Seed.

468056. C40. Canada. Collected September 16, 1980. Old farmstead, M. Carbonelle farm, 30km NW of Somerset, Manitoba. SW Sec. 27, R11 Tp6. Collected by Wilton and Sykes. Stand at least 28 years old. Flowers purple. Cultivated. Seed.

468057. *Trifolium pratense* L. (Fabaceae) Red clover.

From Canada. A.C. Wilton,, Northern Great Plains Research Laboratory, U.S. Department of Agriculture, Mandan, North Dakota. Received through 1980 Domestic-Canada Medicago Germplasm Collection.  
Received November 1981.

C15-X. Canada. Collected September 06, 1980. G. Polter farm, 3.2km N, 4km E of Dorintosh, Saskatchewan. SW3-2-3. Collected by Wilton. Local name red clover. Cultivated. Seed.

468058 TO 468065. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manila.  
Received March 1982.

468058. IRRI 1179. Hung Chao Lu Yu. China, Peoples Repub of. Cultivated. Seed.

468059. IRRI 1254. Y Chang Ju. China, Peoples Repub of. Cultivated. Seed.

468060. IRRI 1269. Ta Chang Kong. China, Peoples Repub of. Cultivated. Seed.

468061. IRRI 1385. Fang Chi. China, Peoples Repub of. Cultivated. Seed.

468062. IRRI 1395. Chu Cheng. China, Peoples Repub of. Cultivated. Seed.

468063. IRRI 10360. Ai Yeh Lu. China, Peoples Repub of. Pure line selection from PI 160965. Cultivated. Breeding Material. Seed.

**468058 TO 468065-continued**

**468064.** IRRI 36852. Ching-Hsi 15. China, Peoples Repub of. Beijing. Chinese Academy of Agricultural Sciences. Cultivated. Seed.

**468065.** IRRI 36853. Ching-Hsi 17. China, Peoples Repub of. Beijing. Chinese Academy of Agricultural Sciences. Cultivated. Seed.

**468066 TO 468072. *Linum usitatissimum* L. (Linaceae) Flax.**

From Argentina. F. Llobet, Semillero la Alborada, 2600 Venado Tuerto, Santa Fe.

Received March 1982.

**468066.** Alfonso. Argentina. Cultivated. Seed.

**468067.** Alcorta. Argentina. Cultivated. Seed.

**468068.** Areco. Argentina. Cultivated. Seed.

**468069.** Tape Parana. Argentina. Cultivated. Seed.

**468070.** Corresa. Argentina. Cultivated. Seed.

**468071.** Rancagua. Argentina. Cultivated. Seed.

**468072.** Reconquista. Argentina. Cultivated. Seed.

**468073. *Zea mays* L. (Poaceae) Popcorn.**

From India. Sudhir Pradhan, Kalimpong 734301.

Received January 1983.

Nepal. Open pollinated type. Local name Murali Makai. Cultivated. Seed.

**468074 TO 468077. *Hibiscus cannabinus* L. (Malvaceae) Kenaf.**

From United States. W.C. Adamson, Southern Regional Plant Introduction Station, Experiment, Georgia.

Received February 1982.

**468074.** j-1-113. Single plant selection ((G 7/PI 292207) O.P.) S8. Good yield potential. Stem density, bark percentage, and plant size similar to standard cultivars. Moderately resistant to root-rot nematode *Meloidogyne javanica* and lesser resistance to *M. incognita*. Resistance derived from PI 292207. Annual. Cultivated. Breeding Material. Seed.

468074 TO 468077-continued

468075. 15. ((G7/PI 292207)O.P.//Ev 71)S6. Good yield potential. Plants with high wood density, small stem diameter. Resistance to nematodes almost equal to PI 468074. Annual. Cultivated. Breeding Material. Seed.
468076. i-19-117. ((G7/PI 292207)O.P.//\*2 Ev 71)S6. Good yield potential. Plants with high bark percentage and small stem diameter. Resistance to nematodes almost equal to PI 468074. Susceptible to anthracnose. Annual. Cultivated. Breeding Material. Seed.
468077. 78-18. ((G7/PI 292207)O.P.//\*2 Ev 71)S6. Plants similar to standard cultivars in wood density, bark percentage, stem diameter, and general appearance. Corolla faintly purple. Level of resistance to nematodes slightly lower than PI 468074, PI 468075, and PI 468076. Annual. Cultivated. Breeding Material. Seed.

468078 TO 468102. *Linum usitatissimum* L. (Linaceae) Flax.

From Romania. M. Doucet, I.C.C.P.T.-Fundulea, Calarasi.  
Received February 1982.

468078. Aoyagi. Romania. Cultivated. Seed.
468079. Argentine. Romania. Cultivated. Seed.
468080. Azur. Romania. Cultivated. Seed.
468081. Belan. Romania. Cultivated. Seed.
468082. BR-1. Romania. Cultivated. Seed.
468083. Deta. Romania. Cultivated. Seed.
468084. Iris. Romania. Cultivated. Seed.
468085. Istru. Romania. Cultivated. Seed.
468086. Kuyava. Romania. Cultivated. Seed.
468087. Lintex. Romania. Cultivated. Seed.
468088. L-581. Romania. Cultivated. Seed.
468089. L-1120. Romania. Cultivated. Seed.
468090. L-8261-10-67. Romania. Cultivated. Seed.
468091. Midin. Romania. Cultivated. Seed.

468078 TO 468102-continued

468092. Olayozon. Romania. Cultivated. Seed.  
468093. Orsanskii-2. Romania. Cultivated. Seed.  
468094. Progres. Romania. Cultivated. Seed.  
468095. Pskovskiy-1. Romania. Cultivated. Seed.  
468096. Spartak. Romania. Cultivated. Seed.  
468097. Taragui. Romania. Cultivated. Seed.  
468098. Tissandre. Romania. Cultivated. Seed.  
468099. Tomskii-10. Romania. Cultivated. Seed.  
468100. Tverta. Romania. Cultivated. Seed.  
468101. VNIIL-11. Romania. Cultivated. Seed.  
468102. Vpered. Romania. Cultivated. Seed.

468103. *Physalis acutifolia* (Miers) Sandw. (Solanaceae).

From United States. G. Nabhan, Meals for Millions/Freedom from Hunger Foundation, Southwest Program, Tucson, Arizona.  
Received March 1982.

United States. Collected October 16, 1981. Buckelew Ranch, Three Points, Pima County, Arizona. Weed in irrigated corn field. Used by the Papago Indians. Seed.

468104. *Vigna unguiculata* (L.) Walp. (Fabaceae).

From Surinam. P. R. Trail, Publication Department, New York State Agriculture Experiment Station, Geneva, New York, USA.  
Received March 1982.

PRT 4. Surinam. Collected March 24, 1981. Market, Paramaribo. Pod 18 to 24 inches long, tough, can be coiled tightly, light green. Seed about 2 inches apart, prominent in pod, light green, long eye, resemble black eyed peas. Cultivated. Seed.

468105 TO 468106. *Hordeum vulgare* L. (Poaceae) Barley.

From Germany, Federal Rep of. E. Rehse, F. Von Lochow-Petkus GMBH, 3410 Northeim 13.  
Received April 1982.



468105 TO 468106-continued

468105. 'Ermo'. Germany, Federal Rep of. Winter Annual.  
Cultivated. Seed.

468106. 'Largo'. Germany, Federal Rep of. Winter Annual.  
Cultivated. Seed.

468107. *Triticum aestivum* L. (Poaceae) Common wheat.

From Germany, Federal Rep of. E. Rehse, F. Von Lochow-Petkus  
GMBH, 3410 Northeim 13.  
Received April 1982.

'Tukan'. Germany, Federal Rep of. Winter Annual.  
Cultivated. Seed.

468108. *Avena sativa* L. (Poaceae) Common oat.

From Australia. R. McLean, Division of Plant Production,  
Department of Agriculture, South Perth 6151, Western  
Australia.  
Received April 1982.

'Hill'. Australia. Kent/Ballidu//Radar 2. Cultivated.  
Seed.

468109. *Oryza sativa* L. (Poaceae) Rice.

From United States. G.W. Schaeffer, F. Sharpe, Jr., and J.  
Dudley, Cell Culture and Nitrogen Fixation Laboratory,  
Agricultural Research Service, USDA, Beltsville, Maryland.  
Received April 1982.

312CSD S(2). United States. Haploid derivative of  
'Calrose 76'. Spontaneously doubled dihaploid from pollen.  
Plants 15-30% shorter than parent. Seed yield  
approximately same as parent. Cultivated. Breeding  
Material. Seed.

468110 TO 468114. *Oryza sativa* L. (Poaceae) Rice.

From United States. G.W. Schaeffer and F. Sharpe, Jr., Cell  
Culture and Nitrogen Fixation Laboratory, Agricultural  
Research Service, USDA, Beltsville, Maryland.  
Received April 1982.

468110. MA 13S(2) 3 (99). United States. Haploid derivative of PI  
353705. Selected from seed of a spontaneously doubled  
dihaploid plant from anther calli by a biochemical

468110 TO 468114-continued

inhibitor. Second generation plants variable in size, maturity, seed set and protein level. Cultivated. Breeding Material. Seed.

468111. MA13S(4)3 (99 good). United States. Haploid derivative of PI 353705. Selected from seed of a spontaneously doubled dihaploid plant from anther calli by a biochemical inhibitor. Seed yield equal to parent. Cultivated. Breeding Material. Seed.

468112. MA13S(4)3 (99 fair). United States. Haploid derivative of PI 353705. Selected from seed of a spontaneously doubled dihaploid plant from anther calli by a biochemical inhibitor. Seed yield 60% of parent but with higher protein content. Cultivated. Breeding Material. Seed.

468113. MA13S(2)2 (86). United States. Haploid derivative of PI 353705. Selected from seed of a spontaneously doubled dihaploid plant from anther calli by a biochemical inhibitor. Seed number per plant less than parent but higher lysine and protein content. Cultivated. Breeding Material. Seed.

468114. MA13S(5)2 (86). United States. Haploid derivative of PI 353705. Selected from seed of a spontaneously doubled dihaploid plant from anther calli by a biochemical inhibitor. Fifth generation of PI 468113. High lysine and protein content. Cultivated. Breeding Material. Seed.

468115. *Hordeum vulgare* L. (Poaceae) Barley.

From United States. J.H. Gardenhire, Texas Agricultural Experiment Station, Texas A&M University, Dallas, Texas. Received April 1982.

'Tambar 402'. United States. Plants semi-short, early maturing. Six row type with dense heads. Awns long, spreading, rough. Resistant to green-bug. Winter Annual. Cultivated. Seed.

468116. *Allium* hybrid (Amaryllidaceae).

From Soviet Union. N. I. Vavilov Institute of Plant Industry, Leningrad. Received April 1982.

Soviet Union. *Allium sativum* x *Allium cepa*. Cultivated. Breeding Material. Seed.

468117. *Cornus amomum* Mill. (Cornaceae) Silky Dogwood.

From United States. Rose Lake Plant Materials Center, Soil Conservation Service, USDA, East Lansing, Michigan.  
Received March 1982.

T 4971. United States. Collected 1961. Clinton County, Rose Lake Wildlife Experiment Station, Michigan. Multiple use conservation plant for windbreaks and wildlife food and cover. Compares well with existing cultivars and other accessions for the same use. Outstanding for windbreak plantings on organic soil. Proposed for cultivar release. Perennial Woody. Cultivated. Seed.

468118. *Lespedeza capitata* Michx. (Fabaceae) Roundhead lespedeza.

From United States. Manhattan Plant Materials Center, Soil Conservation Service, USDA, Manhattan, Kansas.  
Received March 1982.

T 4336. United States. Composite of single accessions from Kansas and Oklahoma. Multiple use conservation plant for range, critical area stabilization, park area cover. Best of twenty accessions tested for use. Selected for advanced evaluation. Perennial Herb. Cultivated. Seed.

468119 TO 468120. *Sinapis alba* L. (Brassicaceae) White mustard.

From Italy. E. Sgaravatti, Food and Agriculture Organization of the United Nations, 00100-Rome.  
Received April 1982.

468119. 58.248. 'Kirbi' (860/A). United Kingdom. Carrow, Norwich NR1 20D. Colman Foods. Cultivated. Seed.

468120. 58.291. 'Trivo'. Sweden. 26800 Svalof. Swedish Seed Association. Cultivated. Seed.

468121. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Dominican Republic. Neil Belson, Div. de Agricultura Direccion, General Norte, Santiago de los Calleros.  
Received March 1982.

Dominican Republic. Wild. Seed.

468122. *Hedysarum fruticosum* Pall. var. *mongolicum* Turcz. (Fabaceae).

From China, Peoples Repub of. Na Sen, Dept. of Grassland Science Academy of Animal Husbandry, Hohehot, Inner Mongolia.

468122-continued

Received March 1982.

D-2823. China, Peoples Repub of. Hohhot, Inner Mongolia.  
Wild. Seed.

468123. *Gossypium robinsonii* F. V. Muell. (Malvaceae).

From Australia. Agriculture Protection Board of Western  
Australia, South Hedland, Western Australia 6722.

Received April 1982.

Australia. Western Australia. Wild. Seed.

468124 TO 468125. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae)  
Leadtree.

From Brazil. B.B. Moeller, McLean, Virginia, USA.

Received November 1981.

468124. Brazil. Gurupi Ranch, 10km south of Paragominas, Para.  
Site formerly Amazonian forest, now very poor. Seeds  
originally bought in Sao Paulo. Cultivated. Seed.

468125. Brazil. Paragominas. EMBRAPA. Paragominas, Para, 300km  
SE of Belem. Site formerly Amazonian forest, now very  
poor. Cultivated. Seed.

468126. *Oryza sativa* subsp. *indica* Kato (Poaceae).

From China, Peoples Repub of. China Seed Corporation, Beijing.

Received through J.M. Green, Northrup King Company,

Leland, Mississippi.

Received April 1982.

V.U.#3. China, Peoples Repub of. Cultivated. Seed.

468127 TO 468129. *Lupinus albus* L. (Fabaceae) White lupine.

From Poland. Plant Breeding and Acclimatization Institute,  
Radzikow.

Received April 1982.

468127. 'Wat'. Poland. Cultivar. Seed.

468128. 'Kalina'. Poland. Cultivar. Seed.

468129. WTD 180. Poland. Breeding Material. Seed.

468130 TO 468131. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Pakistan. M. Sulyman Khan, Embassy of the United States, Islamabad.

Received April 1982.

468130. Pakistan. Maturity 100-110 days. Seeds brown. Local name Multi-Scuat. Cultivated. Landrace. Seed.

468131. Pakistan. Maturity 100-110 days. Seeds black. Local name Tora Kurklia. Cultivated. Landrace. Seed.

468132. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Philippines. M. Benge, DS/FNR Agro-forestation, Agency for International Development, Washington, D.C. USA.

Received March 1981.

Carriedo. Philippines. Possibly originated in Indonesia. Wood extremely dense. Cultivated. Seed.

468133 TO 468140. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Zimbabwe. G.L. Hildebrand, Crop Breeding Institute, Causeway, Zimbabwe.

Received April 1982.

468133. C346/5/8. Zimbabwe. Breeding Material. Seed.

468134. C347/5/3. Zimbabwe. Breeding Material. Seed.

468135. C350/5/4. Zimbabwe. Breeding Material. Seed.

468136. C351/5/1. Zimbabwe. Breeding Material. Seed.

468137. C354/5/2. Zimbabwe. Breeding Material. Seed.

468138. C354/5/5. Zimbabwe. Breeding Material. Seed.

468139. C357/5/1. Zimbabwe. Breeding Material. Seed.

468140. C359/5/8. Zimbabwe. Breeding Material. Seed.

468141 TO 468142. *Arachis diogeni* Hoehne (Fabaceae).

From Brazil. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.

Received March 1980.

468141. GK 30001. Brazil. Collected December 06, 1976. Shore of

468141 TO 468142-continued

Canal Pedro, Porto Indio, Mato Grosso. 0-100M. Lat. 17 deg. 40' S, long. 57 deg. 45' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in gray argillaceous soil and calcareous gravel. Flowers 99% pure yellow, less than 1% with orange standards. Erectoides section-Procumbensae subsection. Rhizobial vial 7. Perennial Herb. Wild. Plants.

468142. GK 30005. Brazil. Collected December 06, 1976. South shore of Lagoa Gaiba, Jaguaribe, Corumba, Mato Grosso. 80-100M. Lat. 17 deg. 47' S, long. 57 deg. 40' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in a slightly reddish-brown calcareous sand. Flowers 99% pure yellow, 1% with orange standards. Topotype. Erectoides section-Procumbensae subsection. Rhizobial vial 26. Perennial Herb. Wild. Plants.

468143. *Arachis glabrata* Benth. (Fabaceae).

From Brazil. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

GK 30020. Brazil. Collected December 13, 1976. Rio Verde, Mato Grosso. 300M. Lat. 18 deg. 55' S, long. 54 deg. 53' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in red soil. Rhizobial vial 21. Wild. Plants.

468144 TO 468147. *Arachis helodes* Mart. ex Hoehne (Fabaceae).

From Brazil. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

468144. GK 30029. Brazil. Collected December 16, 1976. Fazenda Cotia, Rio Bentos, 60km SW of Cuiaba on road to Pocone, Mato Grosso. 170M. Lat. 16 deg. 00'S, long. 56 deg. 28' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in low wet grassland, gray soil with red soil from road washed over it. *Arachis* section. Flowers with orange standards, few with yellow or white standards. Rhizobial vial 44. Perennial Herb. Wild. Plants.

468145. GK 30030. Brazil. Collected December 16, 1976. NW, 30km of Pocone on road to Caceres. 170M. Lat. 16 deg. 07'S, long. 56 deg. 53' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in very low soil; some in water. *Arachis* section. Flowers with both orange and

468144 TO 468147-continued

yellow standards. Rhizobial vial 17. Perennial Herb. Wild. Plants.

468146. GK 30031. Brazil. Collected December 16, 1976. Fazenda Sangradouro, 22km W of Cruz Sete Porcas rd. to Caceres, Mato Grosso. 170M. Lat. 16 deg. 02' S, long. 57 deg. 07' W or 57 deg. 09' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in red gravel in large wet meadow. Arachis section. Rhizobial vial 35. Perennial Herb. Wild. Plants.

468147. GK 30036. Brazil. Collected December 17, 1976. Flechas, 101km E of Caceres on road to Cuiaba, Mato Grosso. 170M. Lat. 16 deg. 03' S, long. 57 deg. 13' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in low meadow, brown sand. Arachis section. Flowers mostly with yellow standards, a few with orange flowers. Rhizobial vial 22. Perennial Herb. Wild. Seed.

468148. *Arachis lutescens* Krapovickas & Rigoni (Fabaceae).

From Brazil. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

GK 30028. Brazil. Collected December 16, 1976. Road to Caceres, Mato Grosso, 15km W of Cuiaba. 170M. Lat. 15 deg. 42' S, long. 56 deg. 12' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in low wet area, red soil. Extranervosae section. Rhizobial vial 4. Perennial Herb. Wild. Plants.

468149 TO 468169. *Arachis* sp. (Fabaceae).

From Brazil. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

468149. GK 30003. Brazil. Collected December 05, 1976. Airport, Corumba, Mato Grosso. 100-200M. Lat. 19 deg. 02' S, long. 57 deg. 40' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in dry, hard, almost black soil weathered from limestone appearing argillaceous. Erectoides section. Rhizobial vial 38. Perennial Herb. Wild. Seed.

468150. GK 30006. Brazil. Collected December 06, 1976. Fazenda Sta., Tereza, Baia Vermelho, Corumba, Mato Grosso. 80-100M. Lat. 18 deg. 08' S, long. 57 deg. 30' W. Collected

468149 TO 468169-continued

by W.C. Gregory and A. Krapovickas. Plants with trailing branches, vertical pegs growing in dry light-colored sand in vegetation of mixed character; cerrado, mato baja. Heavily grazed area. Flowers with orange standards, sun-fading to white. Arachis section. Rhizobial vial 15. Perennial Herb. Wild. Seed.

468151. GK 30007. Brazil. Collected December 07, 1976. Southeast, 40km of Corumba, on road to Porto Manga, Mato Grosso. 80-100M. Lat. 19 deg. 14' S, long. 57 deg. 28' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in gray soil, overlain by red gravel of the road surface. Erectoides section. Rhizobial vial 40. Perennial Herb. Wild. Seed.
468152. GK 30008. Brazil. Collected December 07, 1976. East, 50km, northeast, 70km of Corumba, Fazenda Nhu Mirim, Mato Grosso. 80-100M. Lat. 19 deg. 02' S, long. 56 deg. 39' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in light sandy soil. Arachis section. Rhizobial vial 1. Perennial Herb. Wild. Seed.
468153. GK 30009. Brazil. Collected December 09, 1976. Fazenda Nova Campina, 30km NE of Corumba, Corumba, Mato Grosso. 100-200M. Lat. 18 deg. 47' S, long. 57 deg. 30' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in dark heavy soil originating from limestone. Erectoides section. Rhizobial vial 11. Perennial Herb. Wild. Seed.
468154. GK 30011. Brazil. Collected December 10, 1976. Southeast, 35km of Corumba, N 6km to Baia Negra, Corumba, Mato Grosso. 80M. Lat. 19 deg. 11' S, long. 57 deg. 29' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in dark low soil weathered from limestone and probably inundated in times of high water. Arachis section. Rhizobial vial 5. Annual. Wild. Seed.
468155. GK 30013. Brazil. Collected December 11, 1976. Southwest, 16km of Guaicurus and SW of road from Corumba to Aquidauana. 100-200M. Lat. 20 deg. 13' S, long. 56 deg. 48' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in red black soil weathered from limestone. Erectoides section. Rhizobial vial 13 & 34. Perennial Herb. Wild. Seed.
468156. GK 30014. Brazil. Collected December 11, 1976. Southwest, 40km of Guaicurus and SW of road from Corumba to Aquidauana. 100-200M. Lat. 20 deg. 22' S, long. 56 deg. 58' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in red black soil weathered from limestone. Erectoides section. Rhizobial vial 3. Perennial Herb. Wild. Plants.



468149 TO 468169-continued

468157. GK 30015. Brazil. Collected December 11, 1976. Southwest, 45km of Guaicurus, Estancia Esmeralda. 100-200M. Lat. 20 deg. 23' S, long. 56 deg. 57' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in dark calcareous sand. Erectoides section. Rhizobial vial 45. Perennial Herb. Wild. Plants.
468158. GK 30016. Brazil. Collected December 12, 1976. East, 12km of Miranda on road to Aquidauana, Mato Grosso. 200M. Lat. 20 deg. 17' S, long. 56 deg. 16' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in red soil, quartz rock. Erectoides section. Rhizobial vial 12. Perennial Herb. Wild. Seed.
468159. GK 30017. Brazil. Collected December 12, 1976. Northwest, 25km of Aquidauana on road from Miranda, Mato Grosso. 80-100M. Lat. 20 deg. 21' S, long. 55 deg. 57' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in low dark sand. Hard pan about 3.75cm below the surface. Arachis section. Plants with 99+% orange standards, less than 1% yellow standards and standards of the erectoid orange with violet wash less than 1%. Rhizobial vial 39. Perennial Herb. Wild. Seed.
468160. GK 30018. Brazil. Collected December 13, 1976. Rio Verde, Mato Grosso. 300M. Lat. 18 deg. 55' S, long. 54 deg. 53' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in red soil. Erectoides section. Rhizobial vial 41. Perennial Herb. Wild. Plants.
468161. GK 30021. Brazil. Collected December 13, 1976. North 5km of Rio Verde, 28km W to Serra Alegre, E edge of rain-fed pantanal. 200M. Lat. 18 deg. 49' S, long. 55 deg. 09' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in dark sandy soil. Rhizomatosae section. Rhizobial vial 24. Perennial Herb. Wild. Plants.
468162. GK 30022. Brazil. Collected December 13, 1976. North 5km of Rio Verde, 28km W to Serra Alegre, E edge of rain-fed pantanal. 200M. Lat. 18 deg. 49' S, long. 55 deg. 09' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in dark sandy soil. Rhizobial vial 9. Wild. Plants.
468163. GK 30023. Brazil. Collected December 13, 1976. Near headwaters of Rio Anhumas, Mato Grosso, 5km N of Rio Verde. 200M. Lat. 18 deg. 48' S, long. 55 deg. 11' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in deep light-colored sand slightly raised above the rain-fed pantanal. Erectoides section. Rhizobial vial 29. Perennial Herb. Wild. Plants.

468149 TO 468169-continued

468164. GK 30025. Brazil. Collected December 14, 1976. Northwest, 20km of Coxim, then 45-50km N to Fazenda Buriti, Mato Grosso. 100M. Lat. 17 deg. 54' S, long. 54 deg. 57' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in sandy soil. Erectoides section. Rhizobial vial 10. Perennial Herb. Wild. Plants.
468165. GK 30026. Brazil. Collected December 14, 1976. SW, 12km of Campo Grande-Cuiaba hwy, N of Gauchu, Itiquira, Mato Grosso. 200M. Lat. 17 deg. 35' S, long. 54 deg. 58' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in red sandy soil, point where Rio Correntes disappears into the ground at bottom of waterfall. Erectoides section. Rhizobial vial 27. Perennial Herb. Wild. Plants.
468166. GK 30033. Brazil. Collected December 17, 1976. Road to Cuiaba, 37km SE of Caceres, near Paiol, Mato Grosso. 200M. Lat. 16 deg. 18' S, long. 57 deg. 28' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in red calcareous soil. Arachis section. Rhizobial vial 33. Perennial Herb. Wild. Plants.
468167. GK 30034. Brazil. Collected December 17, 1976. Road to Cuiaba, Mato Grosso, 70km SE from Caceres. 200M. Lat. 16 deg. 08' S, long. 57 deg. 18' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in red calcareous soil. Flowers with both orange and yellow standards. Arachis section. Rhizobial vial 36. Perennial Herb. Wild. Plants.
468168. GK 30035. Brazil. Collected December 17, 1976. Road to Cuiaba, Mato Grosso, 94km E of Caceres. 200M. Lat. 16 deg. 05' S, long. 57 deg. 15' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in red calcareous soil. Arachis section. Rhizobial vial 2. Perennial Herb. Wild. Seed.
468169. GK 30037. Brazil. Collected December 17, 1976. Road to Cuiaba, Mato Grosso, 106km E of Caceres. 170M. Lat. 16 deg. 02' S, long. 57 deg. 12' W. Collected by W.C. Gregory and A. Krapovickas. Plants growing in low meadow, brown sand. Erectoides section-Procumbensae subsection. Rhizobial vial 16. Perennial Herb. Wild. Plants.

468170 TO 468188. *Arachis* sp. (Fabaceae).

From Brazil. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

468170 TO 468188-continued

468170. GKPSc 30126. Brazil. Collected June 26, 1977. Road from Bela Vista to Ponta Pora, 9km ENE of Bela Vista. 210M. Lat. 56 deg. 27' S, long. 22 deg. 04' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In gray sand, mixed with GKPSc 30127. Plants erectoid. Rhizobial vial 168. Perennial Herb. Wild. Seed.
468171. GKPSc 30127. Brazil. Collected June 26, 1977. Road from Bela Vista to Ponta Pora, 9km ENE of Bela Vista. 210M. Lat. 56 deg. 27' S, long. 22 deg. 04' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In gray sand, mixed with GKPSc 30126. Plants rhizomatous. Rhizobial vial 169. Perennial Herb. Wild. Plants.
468172. GKPSc 30128. Brazil. Collected June 26, 1977. Road to Ponta Pora, 39km ESE of Bela Vista. 300M. Lat. 56 deg. 13' S, long. 22 deg. 11' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In red sandy soil amid tall bunch grasses. Plants erectoid. Rhizobial vial 170. Perennial Herb. Wild. Seed.
468173. GKPSc 30130. Brazil. Collected June 26, 1977. Road to Bela Vista, 10km N of Ponta Pora. 625M. Lat. 55 deg. 44' S, long. 22 deg. 26' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In dark red laterite. Plants rhizomatous. Leaves flattened against the soil. Rhizobial vial 172. Perennial Herb. Wild. Plants.
468174. GKPSc 30131. Brazil. Collected June 27, 1977. Road from Jardim, 143km ENE of Porto Murtinho. 350M. Lat. 56 deg. 36' S, long. 21 deg. 32' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In poorly drained, black plastic soil. Plants rhizomatous. Rhizobial vial 173. Perennial Herb. Wild. Plants.
468175. GKPSc 30132. Brazil. Collected June 27, 1977. East, 6km of Rio Caracol, 140km ENE of Porto Murtinho. 350M. Lat. 56 deg. 38' S, long. 21 deg. 32' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In red soil. Plants rhizomatous. Rhizobial vial 174. Perennial Herb. Wild. Plants.
468176. GKPSc 30134. Brazil. Collected June 29, 1977. Rio Capivara, 46km ENE of Porto Murtinho, road to Jardim. 180M. Lat. 57 deg. 26' S, long. 21 deg. 43' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Adjacent to riverbank in dark sandy loam. Plants erectoid. Rhizobial vial 176. Perennial Herb. Wild. Seed.
468177. GKPSc 30135. Brazil. Collected June 29, 1977. Road to

468170 TO 468188-continued

- Jardim, 70km ENE of Porto Murтинho. 225M. Lat. 57 deg. 15' S, long. 21 deg. 34' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In red iron-gravel with granite boulders, mixed with GKPSc 30136. Plants rhizomatous. Rhizobial vial 177. Perennial Herb. Wild. Plants.
468178. GKPSc 30136. Brazil. Collected June 29, 1977. Road to Jardim, 70km ENE of Porto Murтинho. 225M. Lat. 57 deg. 15' S, long. 21 deg. 34' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Growing mixed with GKPSc 30135 in red iron-gravel with granite boulders. Plants erectoid. Rhizobial vial 178. Perennial Herb. Wild. Seed.
468179. GKPSc 30138. Brazil. Collected June 29, 1977. Road to Jardim, 83km ENE of Porto Murтинho. 280M. Lat. 57 deg. 07' S, long. 21 deg. 33' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In flat bottom land of light-colored sand. Plants rhizomatous. Rhizobial vial 180. Perennial Herb. Wild. Plants.
468180. GKPSc 30139. Brazil. Collected June 29, 1977. Road to Jardim, 95km ENE of Porto Murтинho. 350M. Lat. 57 deg. 01' S, long. 21 deg. 30' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In brown sandy gravel loam. Plants erectoid. Rhizobial vial 181. Perennial Herb. Wild. Seed.
468181. GKPSc 30142. Brazil. Collected June 29, 1977. Road to Jardim, 106km ENE of Porto Murтинho. 210M. Lat. 56 deg. 56' S, long. 21 deg. 33' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In deep red to dark brown sandy loam. Plants erectoid. Rhizobial vial 183. Perennial Herb. Wild. Plants.
468182. GKPSc 30143. Brazil. Collected June 30, 1977. Road from Nioaque to Aquidauana, 48km NW of Nioaque. 250M. Lat. 55 deg. 54' S, long. 20 deg. 48' W. Collected by W. C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In very red sandy soil. Plants rhizomatous. Rhizobial vial 184. Perennial Herb. Wild. Plants.
468183. GKPSc 30144. Brazil. Collected June 30, 1977. Road from Nioaque to Aquidauana, 48km NW of Nioaque. 250M. Lat. 55 deg. 54' S, long. 20 deg. 48' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. In very red sandy soil. Plants erectoid. Rhizobial vial 185. Perennial Herb. Wild. Plants.
468184. GKPSc 30147. Brazil. Collected July 01, 1977. Bahia Negra, 9km N of entrance of Fazenda Paraiso. 80M. Lat. 58 deg. 11' S, long. 20 deg. 13' W. Collected by W. C.

468170 TO 468188-continued

Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini.  
Annual. Wild. Seed.

468185. KSc 30151. Brazil. Collected July 03, 1977. Road to Campo Grande, Mato Grosso, 23km E of Aquidauana. 460M. Lat. 20 deg. 28' S, long. 55 deg. 36' W. Collected by A. Krapovickas and A. Schinini. Plants semierect, roots with enlarged branches. Wild. Plants.
468186. KSc 30153. Brazil. Collected July 03, 1977. Road to Campo Grande, Mato Grosso, 23km E of Aquidauana. 460M. Lat. 20 deg. 28' S, long. 55 deg. 36' W. Collected by A. Krapovickas and A. Schinini. Plants semierect, roots with enlarged branches. Wild. Plants.
468187. KSc 30154. Brazil. Collected July 03, 1977. Road to Campo Grande, Mato Grosso, 33km E of Aquidauana. 450M. Lat. 20 deg. 28' S, long. 55 deg. 30' W. Collected by A. Krapovickas and A. Schinini. Plants erect, roots with enlarged branches. Wild. Plants.
468188. KSc 30155. Brazil. Collected July 03, 1977. Road to Aquidauana, Mato Grosso, 59km W of Campo Grande. 400M. Lat. 20 deg. 25' S, long. 55 deg. 11' W. Collected by A. Krapovickas and A. Schinini. Plants semierect, roots with enlarged branches. Wild. Plants.

468189 TO 468195. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Argentina. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

468189. GKBSpsc 1. Argentina. Collected March 25, 1977. Market, 290 Florida Street, Salta. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Reportedly from Cachi. Seeds medium-sized, pink. Cultivated. Seed.
468190. GKBSpsc 2. Argentina. Collected March 25, 1977. Market, 290 Florida Street, Salta. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red and white mottled. Cultivated. Seed.
468191. GKBSpsc 3. Argentina. Collected March 25, 1977. Market, 290 Florida Street, Salta. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Reportedly type grown in Tonono. Seeds flesh-colored, slightly mottled. Cultivated. Seed.

468189 TO 468195-continued

468192. GKBSPPSc 4. Argentina. Collected April 01, 1977. Outdoor market, Oran. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarello, and A. Schinini. Reportedly from Cochabamba, Bolivia. Seeds flesh- or brownish-colored. Cultivated. Seed.
468193. GKBSPPSc 5. Argentina. Collected April 01, 1977. Outdoor market, Oran. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarello, and A. Schinini. Reportedly from Bolivia. Seeds red and white. Cultivated. Seed.
468194. GKBSPPSc 6. Argentina. Collected April 01, 1977. Outdoor market, Oran. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarello, and A. Schinini. Reportedly from Department of Tarija, Bolivia. Seeds large, flesh-colored. Cultivated. Seed.
468195. GKBSPPSc 7. Argentina. Collected April 01, 1977. Outdoor market, Oran. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarello, and A. Schinini. Reportedly from Department of Tarija, Bolivia. Seeds red and white. Cultivated. Seed.

468196. *Arachis monticola* Krapovickas & Rigoni (Fabaceae).

From Argentina. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

GKBSPPSc 30062. Argentina. Collected March 29, 1977. Grassland, SE edge of Yala below mouth of Rio Blanco, 14km NW of Jujuy. 1445M. Lat. 24 deg. 07' S, long. 65 deg. 23' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarello, and A. Schinini. Plants procumbent, vigorous, in alluvial clay. Rhizobial vial 55. Annual. Wild. Seed.

468197 TO 468203. *Arachis* sp. (Fabaceae).

From Argentina. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

468197. GKBSPPSc 30060. Argentina. Collected March 28, 1977. North, 1 km of Perico River bridge, on hwy to Jujuy airport (El Cadillal). 940M. Lat. 24 deg. 22' S, long. 65 deg. 07' W. Collected by W.C. Gregory, A. Krapovickas,

468197 TO 468203-continued

- D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Plants procumbent in alluvial clay. Flowers with pale to bright orange standards. Rhizobial vials 42, 51, 52. Annual. Wild. Seed.
468198. GKBSpsc 30061. Argentina. Collected March 29, 1977. Hwy 66, 2km south of Palpala, Jujuy. 1000-1100M. Lat. 24 deg. 16' S, long. 65 deg. 12' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Plants procumbent in heavy soil. Flowers with orange (GKBSpsc 30061B) and yellow (GKBSpsc 30061B) standards. Rhizobial 53, 54. Annual. Wild. Seed.
468199. GKBSpsc 30063. Argentina. Collected March 30, 1977. Among grasses in dark alluvial gravel, 4km N of Yala, 1 km E of hwy Jujuy. 1565M. Lat. 24 deg. 04' S, long. 65 deg. 24' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Plants procumbent with orange standards. Rhizobial vial 56. Annual. Wild. Seed.
468200. GKBSpsc 30064. Argentina. Collected March 31, 1977. One km S of Rio Perico, 100 ft W of Hwy 66 at the entrance to Jujuy airport. 940M. Lat. 24 deg. 23' S, long. 65 deg. 07' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Plants procumbent with pale orange standards among grasses in black alluvial clay. Rhizobial vial 58. Annual. Wild. Seed.
468201. GKBSpsc 30065. Argentina. Collected April 02, 1977. Banks of Rio Seco at Hwy 81 bridge, 3km SE of Senda Hachada, Salta. 350-400M. Lat. 23 deg. 04' S, long. 63 deg. 53' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Plants procumbent in alluvial sand. Rhizobial vial 59. Annual. Wild. Seed.
468202. GKBSpsc 30067. Argentina. Collected April 04, 1977. Senda Hachada, NE of bridge on Hwy 34, across Rio Seco, Salta. 330-430M. Lat. 23 deg. 03' S, long. 63 deg. 56' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Plants procumbent in alluvial sand. Rhizobial vial 61. Annual. Wild. Seed.
468203. GKBSpsc 30068. Argentina. Collected April 04, 1977. Sandbank, first branch of Rio Seco, 14km SW of A. Quijarro, San Martin, Salta. 350M. Lat. 22 deg. 51' S, long. 63 deg. 56' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Plants procumbent in alluvium. Rhizobial vial 62. Annual. Wild. Seed.

468204 TO 468318. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Bolivia. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

468204. GKBSpsc 8. Bolivia. Collected April 01, 1977. Market, Pozos Bermejo. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Seeds large, russet, dark flesh. Cultivated. Seed.
468205. GKBSpsc 9. Bolivia. Collected April 01, 1977. Market, Pozos Bermejo. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Seeds medium-sized, russet, dark flesh. Cultivated. Seed.
468206. GKBSpsc 10. Bolivia. Collected April 01, 1977. Market, Pozos Bermejo. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Seeds large, russet, dark flesh. Cultivated. Seed.
468207. GKBSpsc 11. Bolivia. Collected April 01, 1977. Market, Pozos Bermejo. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Seeds large, flesh-colored, medium dark flesh. Cultivated. Seed.
468208. GKBSpsc 13. Tainan 9. Bolivia. Collected April 07, 1977. Pastor Grajeda farm, Caiza, 31km N of Yacuiba. Originally from Taiwan. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Rhizobial vial 64. Cultivated. Seed.
468209. GKBSpsc 14. Bolivia. Collected April 07, 1977. V. Palacios farm, Caiza, 31km N of Yacuiba. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Nodules abundant, young pink inside, older dark brown or green inside. Seeds red and white. Rhizobial vial 65. Cultivated. Seed.
468210. GKBSpsc 15. Bolivia. Collected April 07, 1977. E. Martinez farm, Caiza, 31km N of Yacuiba. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Nodules abundant, young pink inside, older dark brown or green inside. Seeds red and white. Rhizobial vial 67. Cultivated. Seed.
468211. GKBSpsc 16. Bolivia. Collected April 07, 1977. G. Morales farm, Aguayrenda (Tarija). Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Seeds red. Local name Coloradito del Palmar. Cultivated. Seed.



468204 TO 468318-continued

468212. GKBSpsc 17. Tatu. Bolivia. Collected April 07, 1977. Pastor Grajeda farm, Caiza, 31km N of Yacuiba. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Nodules young pink inside, older green to black inside. Seeds red. Rhizobial vial 63. Cultivated. Seed.
468213. GKBSpsc 18. Bolivia. Collected April 08, 1977. North of Carapari. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Reportedly from A. Romero farm, Saladillo. Nodules pink inside. Seeds red and white. Rhizobial vial 69. Cultivated. Seed.
468214. GKBSpsc 19. Bolivia. Collected April 08, 1977. North of Carapari. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Reportedly from C. Lopez farm, Nazareno. Seeds large, red. Local name Cartucho. Cultivated. Seed.
468215. GKBSpsc 20. Bolivia. Collected April 08, 1977. North of Carapari. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Reportedly from C. Lopez farm, Nazareno. Seeds red and white. Local name Cartucho. Cultivated. Seed.
468216. GKBSpsc 21. Bolivia. Collected April 08, 1977. H. Guerrero farm. 10km N of Carapari, Tarija. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Nodules sparse, green inside. Seeds red and white. Rhizobial vial 72 from 2 plants. Local name Bayo Americano. Cultivated. Seed.
468217. GKBSpsc 22. Bolivia. Collected April 08, 1977. H. Guerrero farm. 10km N of Carapari, Tarija. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Nodules abundant, green inside. Seeds red. Rhizobial vial 73 from 2 plants. Local name Bayo Tarijeno. Cultivated. Seed.
468218. GKBSpsc 23. Bolivia. Collected April 11, 1977. Market, Villa Montes, Tarija. Grown near Palmar. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds large, red and white. Cultivated. Seed.
468219. GKBSpsc 24. Bolivia. Collected April 11, 1977. Market, Villa Montes, Tarija. Grown near Palmar. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds angular, red. Cultivated. Seed.

468204 TO 468318-continued

468220. GKBSpsc 25. Bolivia. Collected April 11, 1977. Villa Montes market, Tarija. Grown at Puesto Garcia, near Caigua. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red and white mottled. Cultivated. Seed.
468221. GKBSpsc 26. Bolivia. Collected April 11, 1977. Villa Montes market, Tarija. Grown at Palmar. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red. Cultivated. Seed.
468222. GKBSpsc 27. Bolivia. Collected April 11, 1977. Villa Montes market, Tarija. Grown at Palmar. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds very large, red and white mottled. Cultivated. Seed.
468223. GKBSpsc 28. Bolivia. Collected April 11, 1977. Villa Montes market, Tarija. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red. Local name Cartucho. Cultivated. Seed.
468224. GKBSpsc 29. Bolivia. Collected April 11, 1977. Villa Montes market, Tarija. Grown at Palmar. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red and rose. Cultivated. Seed.
468225. GKBSpsc 30. Bolivia. Collected April 11, 1977. Villa Montes market, Tarija. Grown at Entre Rios. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red and white. Cultivated. Seed.
468226. GKBSpsc 31. Bolivia. Collected April 11, 1977. Villa Montes market, Tarija. Grown at Palmar. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red and white. Cultivated. Seed.
468227. GKBSpsc 32. Bolivia. Collected April 11, 1977. Villa Montes market, Tarija. Grown at Palmar. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red. Cultivated. Seed.
468228. GKBSpsc 33. Bolivia. Collected April 11, 1977. Field, Cototo, 10km E of Villa Montes. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red. Rhizobial vials 77, 78, 79. Local name Colorado Chico del Palmar. Cultivated. Seed.

468204 TO 468318-continued

468229. GKBSpsc 34. Bolivia. Collected April 14, 1977. Market, Boyuibe, Department of Santa Cruz. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Local type. Seeds red and white mottled. Cultivated. Seed.
468230. GKBSpsc 35. Bolivia. Collected April 15, 1977. Market, Lagunillas, Department of Santa Cruz. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Local type. Seeds red and white. Cultivated. Seed.
468231. GKBSpsc 36. Bolivia. Collected April 15, 1977. Market, Lagunillas, Department of Santa Cruz. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red and white. Cultivated. Seed.
468232. GKBSpsc 37. Bolivia. Collected April 17, 1977. Store, Gutierrez, Santa Cruz, Cordillera. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Local type. Seeds red and white mottled. Cultivated. Seed.
468233. GKBSpscZ 38. Bolivia. Collected April 19, 1977. Saavedra Experimental Station, 63km N of Santa Cruz. Grown at San Ignacio. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, A. Schinini, and H. Zurita. Nodules abundant, brown inside. Pods small. Seeds red to red and white mottled. Rhizobial vial 88, from 4-5 dried plants. Local name Overo Chiquitano. Cultivated. Seed.
468234. GKBSpscZ 39. Bolivia. Collected April 19, 1977. Saavedra Experimental Station, 63km N of Santa Cruz. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, A. Schinini, and H. Zurita. Originally from Monteros market. Nodules abundant, green or brown inside. Seeds large, red. Rhizobial vial 89. Local name Colorado Grande. Cultivated. Seed.
468235. GKBSpscZ 40. Bolivia. Collected April 19, 1977. Saavedra Experimental Station, 63km N of Santa Cruz. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, A. Schinini, and H. Zurita. Nodules abundant, green or brown inside. Seeds dark red, mottled. Rhizobial vial 90. Cultivated. Seed.
468236. GKBSpscZ 41. Bolivia. Collected April 19, 1977. Saavedra Experimental Station, 63km N of Santa Cruz. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, A. Schinini, and H. Zurita. Nodules

468204 TO 468318-continued

- abundant, green or brown inside. Seeds red and white. Rhizobial vial 91. Local name Colorado chico. Cultivated. Seed.
468237. GKBSpscZ 42. Bolivia. Collected April 19, 1977. Saavedra Experimental Station, 63km N of Santa Cruz. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, A. Schinini, and H. Zurita. Nodules abundant, green or brown inside. Seeds red and white. Rhizobial vial 92. Local name Colorado Blanco grande. Cultivated. Seed.
468238. GKBSpsc 43. Bolivia. Collected April 24, 1977. Market, Santa Cruz. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red and white mottled. Cultivated. Seed.
468239. GKBSpsc 44. Bolivia. Collected April 24, 1977. Market, Santa Cruz. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds small, red. Local name Colorado Chico. Cultivated. Seed.
468240. GKBSpsc 45. Bolivia. Collected April 24, 1977. Market, Santa Cruz. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red. Cultivated. Seed.
468241. GKBSpsc 46. Bolivia. Collected April 24, 1977. Market, Santa Cruz. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelli, and A. Schinini. Seeds red and white mottled. Cultivated. Seed.
468242. BPZ 47. Bolivia. Collected April 25, 1977. Store, Samaipata, Santa Cruz. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds large, dark pink. Local name Rosado Grande. Cultivated. Seed.
468243. BPZ 48. Bolivia. Collected April 25, 1977. Store, Yerba Buena, 156km W of Santa Cruz on road to Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Local type. Pods large. Seeds red and white. Cultivated. Seed.
468244. BPZ 49. Bolivia. Collected April 25, 1977. Store, Agua Clara, Santa Cruz. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Local type. Seeds large, pink. Cultivated. Seed.
468245. BPZ 50. Bolivia. Collected April 25, 1977. R. Quiroz farm, Puente de Mataral, Santa Cruz, on road to Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds large, pink. Cultivated. Seed.

468204 TO 468318-continued

468246. BPZ 51. Bolivia. Collected April 25, 1977. R. Quiroz farm, Puente de Mataral, Santa Cruz, on road to Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Plants mixed with corn, some with leafspot. Nodules numerous, especially on mainstem, very large, brown inside. Seeds red and white mottled. Rhizobial vial 138. Cultivated. Seed.
468247. BPZ 52. Bolivia. Collected April 25, 1977. Store, Lagunilla, Santa Cruz, between Mataral and Valle Grande Village. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds large, deeply reticulated, brown, red and white. Cultivated. Seed.
468248. BPZ 53. Bolivia. Collected April 25, 1977. A. Arteaga farm, Muyurina, 20km from Valle Grande, Santa Cruz. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Plants short. Nodules green inside. Pods large. Seeds red and white. Rhizobial vial 139. Cultivated. Seed.
468249. BPZ 54. Bolivia. Collected April 25, 1977. Valle Grande, Santa Cruz. Originally from Alto Seco. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Donated by Sr. Rojas. Seeds large, red and white to reddish. Cultivated. Seed.
468250. BPZ 55. Bolivia. Collected April 25, 1977. Store, Valle Grande, Santa Cruz. Originally from Ascension de Alto Seco. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds very large, pink. Cultivated. Seed.
468251. BPZ 56. Bolivia. Collected April 26, 1977. Market, Valle Grande. Originally from Pucara. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds large, brownish to red and white. Cultivated. Seed.
468252. BPZ 57. Bolivia. Collected April 26, 1977. Market, Valle Grande. Originally from Pucara. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds very large, brownish-pink to red and white. Cultivated. Seed.
468253. BPZ 58. Bolivia. Collected April 26, 1977. Market, Valle Grande. Originally from Pucara. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds very large, bright pink. Cultivated. Seed.
468254. BPZ 59. Bolivia. Collected April 26, 1977. Trigal, Valle Grande, Santa Cruz. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds flesh-colored to brownish-red to red and white. Cultivated. Seed.
468255. BPZ 60. Bolivia. Collected April 26, 1977. Trigal, Valle

468204 TO 468318-continued

- Grande, Santa Cruz. Originally from Postervalle.  
Collected by D.J. Banks, J. Pietrarelli, and H. Zurita.  
Seeds red and white. Cultivated. Seed.
468256. BPZ 61. Bolivia. Collected April 26, 1977. Escalante farm, 2km N of Trigal, Valle Grande, Santa Cruz. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Plants small, some leafspot. Nodules brownish inside. Seeds red and white. Rhizobial vial 141. Cultivated. Seed.
468257. BPZ 62. Bolivia. Collected April 26, 1977. Near Cochabambita, between Cochabamba and Valle Grande. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds flesh-colored. Cultivated. Seed.
468258. BPZ 63. Bolivia. Collected April 26, 1977. Near Cochabambita, between Cochabamba and Valle Grande. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds dark pink. Cultivated. Seed.
468259. BPZ 64. Bolivia. Collected April 26, 1977. Near Cochabambita, between Cochabamba and Valle Grande. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds dark flesh-colored to brown. Cultivated. Seed.
468260. BPZ 65. Bolivia. Collected April 26, 1977. Near Cochabambita, between Cochabamba and Valle Grande. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds brownish red and white mottled. Cultivated. Seed.
468261. BPZ 66. Bolivia. Collected April 26, 1977. Farm, 1-2km N of Cochabambita. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Nodules mostly on mainstem, green inside. Seeds brownish-red and white mottled. Rhizobial vial 142. Cultivated. Seed.
468262. BPZ 67. Bolivia. Collected April 26, 1977. Farm, 1-2km N of Cochabambita. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds pink. Cultivated. Seed.
468263. BPZ 68. Bolivia. Collected April 26, 1977. Farm, 1-2km N of Cochabambita. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds red and white. Cultivated. Seed.
468264. BPZ 69. Bolivia. Collected April 26, 1977. P. Pena Mojica farm, Caraparial, road from Santa Cruz to Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Cultivated. Seed.
468265. BPZ 70. Bolivia. Collected April 28, 1977. Latuna, Mairana, Santa Cruz. Originally from M. Pena farm. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Nodules green inside. Seeds red and white. Rhizobial vial

468204 TO 468318-continued

145. Cultivated. Seed.

468266. BPZ 71. Bolivia. Collected April 28, 1977. Monteagudo, Mairana. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Donated by E. Roja. Cultivated. Seed.
468267. BPZ 72. Bolivia. Collected April 28, 1977. Monteagudo, Mairana. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Pods similar to Valencia type. Seeds small, red. Cultivated. Seed.
468268. BPZ 73. Bolivia. Collected April 28, 1977. Villa Victoria, Mairana. Originally from R. Pena farm. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Pods medium-sized. Seeds small, red and white. Cultivated. Seed.
468269. BPZ 74. Bolivia. Collected April 28, 1977. Villa Victoria, Mairana. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. From R. Pena farm. Pods large. Seeds medium-sized, red and white. Cultivated. Seed.
468270. BPZ 75. Bolivia. Collected April 28, 1977. E. Querispa farm, outside of Valle Abajo, Mairana. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Nodules abundant, medium-sized on laterals, few on mainroot, green inside. Seeds red and white. Rhizobial vial 146. Cultivated. Seed.
468271. BPZ 76. Bolivia. Collected April 28, 1977. San Isidro, Mairana. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. From R. Flores farm. Nodules scarce, green inside. Seeds large, red and white. Rhizobial vial 147. Cultivated. Seed.
468272. BPZ 77. Bolivia. Collected April 28, 1977. San Isidro, road to Santa Cruz-Cochabamba, 220km from Santa Cruz. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Donated by R. Sandoval. Pods very large, rough. Seeds red. Local name Rosado-fuerte. Cultivated. Seed.
468273. BPZ 78. Bolivia. Collected April 28, 1977. San Isidro, road to Santa Cruz-Cochabamba, 220km from Santa Cruz. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Donated by B. Carvajal. Pods large or very large. Seeds red. Cultivated. Seed.
468274. BPZ 79. Bolivia. Collected April 28, 1977. San Isidro, road to Santa Cruz-Cochabamba, 220km from Santa Cruz. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Donated by F. Cardona. Nodules very abundant on laterals. Leafspot abundant. Rhizobial vial 148. Cultivated. Seed.
468275. BPZ 80. Bolivia. Collected April 29, 1977. Store,

468204 TO 468318-continued

- Comarapa, Santa Cruz. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Pods large. Seeds dark pink. Cultivated. Seed.
468276. BPZ 81. Bolivia. Collected April 29, 1977. P. Inojosa farm, 1.6km E of Teneria-Aiguile, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Pods large, 2-angled (bent). Nodules scarce, brown inside. Seeds red. Rhizobial vial 149. Cultivated. Seed.
468277. BPZ 82. Bolivia. Collected April 29, 1977. R. Pardo Perez farm, 1.6km E of Teneria-Aiguile, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Plants small, semi-bush. Nodules abundant on laterals, brown inside. Pods medium-sized. Seeds flesh-colored. Rhizobial vial 150. Cultivated. Seed.
468278. BPZ 83. Bolivia. Collected April 29, 1977. R. Pardo Perez farm, Teneria-Aiguile, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Plants Valencia-like. Seeds flesh-colored. Cultivated. Seed.
468279. BPZ 84A. Bolivia. Collected April 29, 1977. Mesa Rancho, 11.2km W of Aiguile. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Donated by E. Mendieta. Plants dark green, spreading, little leafspot. Nodules numerous, large, pink inside. Seeds flesh-colored. Apparent resistance to Cercospora. Local name Sara mani. Rhizobial vial 151. Cultivated. Seed.
468280. BPZ 84B. Bolivia. Collected April 29, 1977. Mesa Rancho, 11.2km W of Aiguile. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Donated by E. Mendieta. Plants dark green, spreading, little leafspot. Nodules numerous, large, pink inside. Seeds pink. Apparent resistance to Cercospora. Local name Sara mani. Rhizobial vial 151. Cultivated. Seed.
468281. BPZ 85. Bolivia. Collected April 29, 1977. Mesa Rancho, 11.2km W of Aiguile. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Donated by E. Mendieta. Nodules very large, green inside. Seeds purple. Pods small. Rhizobial vial 152. Cultivated. Seed.
468282. BPZ 86A. Bolivia. Collected April 30, 1977. Rumicanacha, W of Aiguile, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Donated by C. Agreda. Plants variable, some Valencia types. Pods medium to large. Seeds tan-flesh colored. Rhizobial vial 153. Cultivated. Seed.
468283. BPZ 86B. Bolivia. Collected April 30, 1977. Rumicanacha, W of Aiguile, Cochabamba. Collected by D.J. Banks, J.



468204 TO 468318-continued

- Pietrarelli, and H. Zurita. Donated by C. Agreda. Plants variable, some Valencia types. Pods medium to large. Seeds wine-colored. Cultivated. Seed.
468284. BPZ 87. Bolivia. Collected April 30, 1977. A. Uriona farm, Pogo-Mizque, W of Aiguile. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Plants fairly large, erect, dark green. Nodules brown to black inside. Stems and leaves pubescent. No leafspot. Rhizobial vial 154. Cultivated. Seed.
468285. BPZ 88. Bolivia. Collected April 30, 1977. Warehouse, Mizque, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Mixed types. Pods variable. Seeds large, red. Cultivated. Seed.
468286. BPZ 89. Bolivia. Collected April 30, 1977. Store, Mizque, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Pods large, fairly straight-sided. Seeds large, flesh-colored. Local name Ronco. Cultivated. Seed.
468287. BPZ 90. Bolivia. Collected April 30, 1977. Store, Mizque, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Pods medium-sized, rough, deeply reticulated. Seeds pink. Local name Churco. Cultivated. Seed.
468288. BPZ 91. Bolivia. Collected April 30, 1977. Store, Mizque, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Pods very large, rough, deeply reticulate. Local name Rosado Grande. Cultivated. Seed.
468289. BPZ 92. Bolivia. Collected April 30, 1977. Gas station, Mizque, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Pods large, bright-colored. Seeds red. Cultivated. Seed.
468290. BPZ 93. Bolivia. Collected April 30, 1977. Market, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds medium-sized, angular, reddish-colored. Cultivated. Seed.
468291. BPZ 94. Bolivia. Collected April 30, 1977. Market, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds large, long, brownish-colored. Local name Colorado Grande. Cultivated. Seed.
468292. BPZ 95. Bolivia. Collected April 30, 1977. Market, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds medium-sized, red and white mottled. Cultivated. Seed.

468204 TO 468318-continued

468293. BPZ 96. Bolivia. Collected April 30, 1977. Market, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds very large, plump, dark flesh. Cultivated. Seed.
468294. BPZ 97. Bolivia. Collected April 30, 1977. Market, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds mixed, small to medium, red and white. Cultivated. Seed.
468295. BPZ 98. Bolivia. Collected April 30, 1977. Market, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds fairly large, brownish and white mottled, some dark brown. Cultivated. Seed.
468296. BPZ 99. Bolivia. Collected April 30, 1977. Market, Cochabamba. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds large, plump, brownish-colored. Cultivated. Seed.
468297. BPZ 100. Bolivia. Collected May 02, 1977. Lanza market, La Paz. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds medium-sized, red and white. Cultivated. Seed.
468298. BPZ 101. Bolivia. Collected May 02, 1977. Market, Camcho, La Paz. Originally from Sucre. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds medium-sized, red and white. Cultivated. Seed.
468299. BPZ 102A. Bolivia. Collected May 02, 1977. Market, Rodriguez, La Paz. Originally from Los Yungas. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds red-brown. Local name Yungeno. Cultivated. Seed.
468300. BPZ 102B. Bolivia. Collected May 02, 1977. Market, Rodriguez, La Paz. Originally from Los Yungas. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds purple. Local name Yungeno. Cultivated. Seed.
468301. BPZ 103. Bolivia. Collected May 02, 1977. Market, 568 Abarrotes en General, La Paz. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds medium to large, tapered, mixed red and flesh-colored. Cultivated. Seed.
468302. BPZ 104A. Bolivia. Collected May 04, 1977. Market, Chulumani (South Yungas). Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Local type. Pods medium-sized. Seeds brown and white. Cultivated. Seed.
468303. BPZ 104B. Bolivia. Collected May 04, 1977. Market, Chulumani (South Yungas). Collected by D.J. Banks, J.

468204 TO 468318-continued

- Pietrarelli, and H. Zurita. Local type. Pods medium-sized. Seeds red-brown. Cultivated. Seed.
468304. BPZ 105. Bolivia. Collected May 04, 1977. J. Miranda's hillside plot, Sanani. 1800M. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Local type. Nodules dark brown to black inside. Leaves small, hairy, some leafspot. Pods medium large. Seeds red. Rhizobial vial 155. Local name Mani criollo. Cultivated. Seed.
468305. BPZ 106. Bolivia. Collected May 04, 1977. San Antonio, near Chulumani. 1800M. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. From P. Mamani's farm. Seeds red. Cultivated. Seed.
468306. BPZ 107A. Bolivia. Collected May 04, 1977. N. Llanos farm, Rancho Chico de Irupana, South Yungas. 2000M. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Plants small, mixed with corn. Little leafspot. Nodules few, small, brown inside. Seeds pink or flesh-colored. Rhizobial vial 156. Cultivated. Seed.
468307. BPZ 107B. Bolivia. Collected May 04, 1977. N. Llanos farm, Rancho Chico de Irupana, South Yungas. 2000M. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Plants small, mixed with corn. Little leafspot. Nodules few, small, brown inside. Seeds purple. Rhizobial vial 156. Cultivated. Seed.
468308. BPZ 108. Bolivia. Collected May 04, 1977. Near Vivera Experiment Station, Capani-Irupana, South Yungas. Collected by D. J. Banks, J. Pietrarelli, and H. Zurita. Donated by F. Quispe. Plants small. Stems and leaves hairy. Nodules scarce, small, dark inside. Rhizobial vial 157. Cultivated. Seed.
468309. BPZ 109. Bolivia. Collected May 04, 1977. Store, Irupana. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Local Valencia type. Pods medium-sized. Seeds red. Cultivated. Seed.
468310. BPZ 110A. Bolivia. Collected May 04, 1977. Store, Irupana. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds dark flesh-colored. Cultivated. Seed.
468311. BPZ 110B. Bolivia. Collected May 04, 1977. Store, Irupana. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds purple or black. Cultivated. Seed.
468312. BPZ 111. Bolivia. Collected May 04, 1977. Store, Chulumani, Originally from Ocobayo. Collected by D.J. Banks, J. Pietrarelli, and H. Zurita. Seeds red and brown. Cultivated. Seed.

468204 TO 468318-continued

468313. BPZ 112. Bolivia. Collected May 04, 1977. B. Huaylluco's hillside plot, Tulduchi-Sector S of Huancane. Collected by D.J. Banks, J. Pietrarello, and H. Zurita. Plants small. Stems and leaves hairy. Nodules small, scattered, brown inside. Seeds red. Rhizobial vial 158. Cultivated. Seed.
468314. BPZ 113. Bolivia. Collected May 05, 1977. Sacawaya, South Yungas. Collected by D.J. Banks, J. Pietrarello, and H. Zurita. Originally from farm of F. Mamani of Irupana. Seeds red. Cultivated. Seed.
468315. BPZ 114. Bolivia. Collected May 05, 1977. J. Tinta farm, Sirupaya, South Yungas. Collected by D.J. Banks, J. Pietrarello, and H. Zurita. Pods large, some Valencia types. Seeds red, some purple. Cultivated. Seed.
468316. GKSSc 115. Bolivia. Collected April 25, 1977. Roadside ditch, Santa Cruz airport. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. Escaped from cultivation. Nodules many, large, pink and brown inside. Seeds light red. Rhizobial vial 95. Cultivated. Seed.
468317. GKSSc 116. Bolivia. Collected April 28, 1977. Store, Ascension de Guarayos. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. Seeds large, red and white mottled. Cultivated. Seed.
468318. GKSSc 117. Bolivia. Collected May 06, 1977. Store, San Ignacio. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. Seeds red and white mottled. Cultivated. Seed.

468319 TO 468345. *Arachis* sp. (Fabaceae).

From Bolivia. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

468319. GKBSpsc 30073. Bolivia. Collected April 10, 1977. Road to Villa Montes, 1.2km S of fork to Sanandita, Tarija, Gran Chaco. 550-700M. Lat. 21 deg. 44' S, long. 63 deg. 33' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarello, and A. Schinini. Among open trees and shrubs in dark alluvial clay loam on roadside, Tarija, Gran Chaco. Plants procumbent. Flowers with orange standards. Rhizobial vial 74. Wild. Seed.
468320. GKBSpsc 30074. Bolivia. Collected April 10, 1977. North, 2km of Palmar Grande between Yacuiba and Villa Montes,

468319 TO 468345-continued

- Gran Chaco. 400-450M. Lat. 21 deg. 26' S, long. 63 deg. 27' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Plants long, procumbent, in deep light sand. Flowers with orange standards. Fruits small. Rhizobial vial 75. Annual. Wild. Seed.
468321. GKBPSc 30075. Bolivia. Collected April 10, 1977. On rd from Yacuiba, 23km of Palmer Grande, 5km S of Villa Montes, G. Chaco. 450M. Lat. 21 deg. 18' S, long. 63 deg. 27' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Dry, overgrazed area. Plants growing in sandy loam alluvium with rocks and gravel. Gran Chaco Rhizobial vial 76. Wild. Seed.
468322. GKBPSc 30076. Bolivia. Collected April 12, 1977. Streambank, Ypa, 30km N of Villa Montes on road to Santa Cruz, Gran Chaco. 500-650M. Lat. 21 deg. 00' S, long. 63 deg. 24' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Plants procumbent, in sandy loam. Leaves attacked by Cercospora. Flowers with bright orange standards. Rhizobial vial 80. Annual. Wild. Seed.
468323. GKBPSc 30077. Bolivia. Collected April 13, 1977. SE 800m of Estacion Exp. Zootecnica "El Salvador", Chuquisaca, Luis Calvo. 500-665M. Lat. 20 deg. 37' S, long. 63 deg. 13' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Plants procumbent, in sand. Stems short. Flowers with orange standards. Rhizobial vial 81. Annual. Wild. Seed.
468324. GKBPSc 30078. Bolivia. Collected April 13, 1977. Northwest, 7km of Carandaity, 20km SE of "El Salvador", Luis Calvo. 500-550M. Lat. 20 deg. 45' S, long. 63 deg. 08' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Plants procumbent, in sandy loam. Flowers with orange standards. Rhizobial vial 82. Annual. Wild. Seed.
468325. GKBPSc 30079. Bolivia. Collected April 14, 1977. South, 28km of Camiri, Cordillera. 900M. Lat. 20 deg. 17' S, long. 63 deg. 28' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Plants procumbent, in sandy loam. Rhizobial vial 83. Annual. Wild. Seed.
468326. GKBPSc 30080. Bolivia. Collected April 16, 1977. North 0.5km N of Ipati, 37km N of Camiri on road to Lagunillas, Cordillera. Lat. 19 deg. 44' S, long. 63 deg. 36' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks,

468319 TO 468345-continued

- C.E. Simpson, J. Pietrarelly, and A. Schinini. Plants procumbent, in sandy loam. Stipules and petioles with glandular hairs. Flower standards yellow with reddish blush on back. Rhizobial vial 84. Annual. Wild. Seed.
468327. GKBSpsc 30081. Bolivia. Collected April 16, 1977. Southeast, 5-6km of Lagunillas, Cordillera. 950M. Lat. 19 deg. 40' S, long. 63 deg. 41' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Plants procumbent, in sandy loam. Pegs not vertical. Flower standards yellow with pink blush on back. Rhizobial vial 85. Annual. Wild. Seed.
468328. GKBSpsc 30082. Bolivia. Collected April 17, 1977. Road to Santa Cruz, 2-3km N of Ipati, Cordillera. Lat. 19 deg. 43' S, long. 63 deg. 36' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. East side of small hill in sandy loam. Plants procumbent. Rhizobial vial 86. Annual. Wild. Seed.
468329. GKBSpsc 30083. Bolivia. Collected April 17, 1977. Road to Santa Cruz, 22km N of Gutierrez, Cordillera. 900M. Lat. 19 deg. 13' S, long. 63 deg. 31' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, and A. Schinini. Plants procumbent in dark compact, sandy loam. Stipules and petioles with glandular hairs. Flowers with yellow standards. Rhizobial vial 87. Annual. Wild. Seed.
468330. GKBSpscZ 30084. Bolivia. Collected April 20, 1977. ENE, 8km of Portachuelo, Gutierrez. 350M. Lat. 17 deg. 19' S, long. 63 deg. 18' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, A. Schinini, and H. Zurita. In deep sand, on bank of Rio Piray. Plants procumbent. Flower standards orange. Rhizobial vial 93. Perennial Herb. Wild. Plants.
468331. GKBSpscZ 30085. Bolivia. Collected April 20, 1977. WSW, 10km of Portachuelo, Gutierrez. 300-350M. Lat. 17 deg. 23' S, long. 63 deg. 28' W. Collected by W.C. Gregory, A. Krapovickas, D.J. Banks, C.E. Simpson, J. Pietrarelly, A. Schinini, and H. Zurita. Plants procumbent. In very sandy loam. Flowers with orange standards. Fruit of some plants deformed, filled with fungal spores. Rhizobial vial 94. Perennial Herb. Wild. Plants.
468332. GKSSc 30086. Bolivia. Collected April 26, 1977. N, 2-3km of Ascension de Guarayos, road to Centinela, Nuflo de Chavez. 250M. Lat. 15 deg. 41' S, long. 63 deg. 05' W. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. In iron-gravel soil, bordering low grassland subject to seasonal flood. Plants procumbent. Pegs short. Flowers with orange standards. Rhizobial vial

## 97. Perennial Herb. Wild. Plants.

468333. GKSSc 30088. Bolivia. Collected April 27, 1977. Road to airport, 3km SSE of Ascension de Guarayos, Nuflo de Chavez. 250M. Lat. 15 deg. 44' S, long. 63 deg. 05' W. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. In alluvial soil on banks of Arroyo San Joaquin. Plants procumbent. Flowers with orange standards. Rhizobial vial 99. Perennial Herb. Wild. Plants.
468334. GKSSc 30089. Bolivia. Collected April 27, 1977. West, 1 km of Ascension de Guarayos, Nuflo de Chavez. 250M. Lat. 15 deg. 43' S, long. 63 deg. 06' W. Collected by W. C. Gregory, A. Krapovickas, C. E. Simpson, and A. Schinini. In wet sandy clay at edge of a laguna, and in dark brown loam near a dwelling. Plants procumbent. Older plants with thick roots. Flowers with orange standards. Fruits small. Rhizobial vial 100. Perennial Herb. Wild. Plants.
468335. GKSSc 30090. Bolivia. Collected April 28, 1977. Alternate rd. to airport, SE edge of Ascension de Guarayos, Nuflo de Chavez. 250M. Lat. 15 deg. 43' S, long. 63 deg. 05' W. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. In gravel soil near a spring. Plants procumbent. Flowers with orange standards. Fruits small. Rhizobial vial 101. Perennial Herb. Wild. Seed.
468336. GKSSc 30091. Bolivia. Collected May 01, 1977. Estancia Novicia, 26km S of Concepcion, Nuflo de Chavez. 280-500M. Lat. 16 deg. 29' S, long. 62 deg. 05' W. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, A. Schinini. In sandy soil with granite or gneiss outcrops. Plants procumbent. Leaflets with soft glandless hairs on lower surface. Hypanthium short. Flowers with large dark orange standards. Fruits large. Rhizobial vials 106 and 109. Annual. Wild. Seed.
468337. GKSSc 30092. Bolivia. Collected May 01, 1977. El Carmen, 42km SSW of Concepcion, Nuflo de Chavez. 280-500M. Lat. 16 deg. 36' S, long. 62 deg. 14' W. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. In black soil at bases of large granite outcrops. Plants erectoid. Rhizobial vial 107. Perennial Herb. Wild. Seed.
468338. GKSSc 30093. Bolivia. Collected May 02, 1977. Embocada del Carmen, 40km SSW of Concepcion, Nuflo de Chavez. 280-500M. Lat. 16 deg. 35' S, long. 62 deg. 13' W. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. In fertile black soil. Plants procumbent. Lateral branches long. Flower standards small, orange. Fruits large. Rhizobial vial 108. Annual. Wild. Seed.

468319 TO 468345-continued

468339. GKSSc 30096. Bolivia. Collected May 03, 1977. Road to San Javier, 24km W of Concepcion, Nuflo de Chavez. 300-500M. Lat. 16 deg. 14' S, long. 62 deg. 18' W. Collected by W.C. Gregory, A. Krapovickas, C. E. Simpson, and A. Schinini. In lateritic red sand, bordering between grassland and surfacing water table. Plants erectoid. Rhizobial vial 113. Perennial Herb. Wild. Plants.
468340. GKSSc 30097. Bolivia. Collected May 05, 1977. Plaza del Ex-Combatiente, San Ignacio, Velasco. 250-500M. Lat. 16 deg. 22' S, long. 60 deg. 58' W. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. Plants procumbent in deep red laterite. Main stem tall. Flowers with orange standards (some yellow, some intermediate). Rhizobial vial 114. Annual. Wild. Seed.
468341. GKSSc 30098. Bolivia. Collected May 07, 1977. Road to San Miguel, 21km S of San Ignacio, Velasco. 250-500M. Lat. 16 deg. 33' S, long. 61 deg. 00' W. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. In light gray sand, bordering the "curiche" and "pampa". Plants procumbent. Main stem tall. Flowers with orange standards. Fruits large. Rhizobial vial 115. Wild. Seed.
468342. GKSSc 30099. Bolivia. Collected May 07, 1977. Road to San Miguel, 27km S of San Ignacio, Velasco. 250-500M. Lat. 16 deg. 36' S, long. 61 deg. 01' W. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. In light gray sand, bordering "curiche" and "pampa". Flowers with orange standards. Rhizobial vial 116. Wild. Seed.
468343. GKSSc 30100. Bolivia. Collected May 08, 1977. North, 23km of San Ignacio, Velasco. 250-500M. Lat. 16 deg. 10' S, long. 61 deg. 02' W. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. In curiche on raised sandy loam boarding on pampa. Plants procumbent. Leaflets with glandular hairs on underside. Flowers large, standards orange. Fruits large. Rhizobial vial 117. Annual. Wild. Seed.
468344. GKSSc 30101. Bolivia. Collected May 08, 1977. North, 23km of San Ignacio, Velasco. 250-500M. Lat. 16 deg. 10' S, long. 61 deg. 02' W. Collected by W.C. Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini. Plants procumbent in curiche on raised sandy loam bordering on pampa. Flowers with orange standards. Rhizobial vial 118. Perennial Herb. Wild. Plants.
468345. GKSSc 30102. Bolivia. Collected May 08, 1977. North, 23km of San Ignacio, Santa Cruz, Velasco. 250-500M. Lat. 16 deg. 10' S, long. 61 deg. 02' W. Collected by W.C.



468319 TO 468345-continued

Gregory, A. Krapovickas, C.E. Simpson, and A. Schinini.  
Plants erect. Inundated in times of high water in curiche.  
Rhizobial vial 119. Perennial Herb. Wild. Plants.

468346 TO 468353. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Paraguay. Various Plant Explorers, International Board of  
Plant Genetic Resources (IBPGR), Food & Agriculture  
Organization, Rome, Italy.  
Received March 1980.

468346. GKPSc 119. Paraguay. Collected June 19, 1977. Rio  
Corriente, E of San Estanislao. Collected by W.C.  
Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini.  
Seeds purple. Cultivated. Seed.
468347. GKPSc 120. Paraguay. Collected June 20, 1977. Market,  
San Estanislao. Collected by W.C. Gregory, A.  
Krapovickas, J. Pietrarelli, and A. Schinini. Grown 3km  
from village. Seeds red. Cultivated. Seed.
468348. GKPSc 121. Paraguay. Collected June 20, 1977. Market,  
San Estanislao. Collected by W.C. Gregory, A.  
Krapovickas, J. Pietrarelli, and A. Schinini. Grown near  
village. Seeds red. Cultivated. Seed.
468349. GKPSc 122. Paraguay. Collected June 20, 1977. Market,  
San Estanislao. Collected by W.C. Gregory, A.  
Krapovickas, J. Pietrarelli, and A. Schinini. Local type.  
Seeds red. Cultivated. Seed.
468350. GKPSc 123. Paraguay. Collected June 20, 1977. Market,  
San Estanislao. Collected by W.C. Gregory, A.  
Krapovickas, J. Pietrarelli, and A. Schinini. Grown  
within 10km of the village. Seeds small, purple.  
Cultivated. Seed.
468351. GKPSc 124. Paraguay. Collected June 20, 1977. Market,  
San Estanislao. Collected by W.C. Gregory, A.  
Krapovickas, J. Pietrarelli, and A. Schinini. Grown  
within 10km of the village. Seeds large, purple.  
Cultivated. Seed.
468352. GKPSc 125. Paraguay. Collected June 20, 1977. Market,  
San Estanislao. Collected by W.C. Gregory, A.  
Krapovickas, J. Pietrarelli, and A. Schinini. Grown  
within 10km of the village. Originally from Colonia  
Guayairi. Seeds red or flesh-colored. Cultivated. Seed.
468353. GKPSc 126. Paraguay. Collected June 23, 1977. Aguacaray.  
Collected by W.C. Gregory, A. Krapovickas, J.  
Pietrarelli, and A. Schinini. Seeds purple. Cultivated.

468346 TO 468353-continued  
Seed.

468354 TO 468371. *Arachis* sp. (Fabaceae).

From Paraguay. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

468354. GKPSc 30106. Paraguay. Collected June 16, 1977. Sandbanks of Rio Tebicuary, E edge of Florida. 65M. Lat. 57 deg. 05' S, long. 26 deg. 22' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants procumbent. Rhizobial vial 120. Perennial Herb. Wild. Seed.
468355. GKPSc 30107. Paraguay. Collected June 16, 1977. Above lowland flats, 2km N of Caapucu. 90M. Lat. 57 deg. 10' S, long. 26 deg. 11' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants rhizomatous in clay. Rhizobial vial 121. Wild. Plants.
468356. GKPSc 30108. Paraguay. Collected June 17, 1977. Parkland and pasture, 4km S of Ypacarai, Cerro Pero. 175M. Lat. 57 deg. 16' S, long. 25 deg. 26' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants prostrate in light sand. Similar to *A. lignosa*. Rhizobial vial 122. Perennial Herb. Wild. Plants.
468357. GKPSc 30109. Paraguay. Collected June 17, 1977. North, 1 km of intersection of road to San Bernardino and Asuncion-Caacupe. 175M. Lat. 57 deg. 16' S, long. 25 deg. 23' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants erectoid in deep sand. Rhizobial vial 123. Perennial Herb. Wild. Seed.
468358. GKPSc 30110. Paraguay. Collected June 17, 1977. North, 2-3km of Tobaty. 80M. Lat. 57 deg. 05' S, long. 25 deg. 13' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants erectoid in red sand. Rhizobial vial 124. Perennial Herb. Wild. Seed.
468359. GKPSc 30111. Paraguay. Collected June 18, 1977. Highway, 1 km N of Valenzuelo. 220M. Lat. 56 deg. 52' S, long. 25 deg. 35' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants rhizomatous in laterite. Rhizobial vial 125. Perennial Herb. Wild. Plants.
468360. GKPSc 30112. Paraguay. Collected June 18, 1977. Floodplain of Arroyo Ythaca, 4km south of Valenzuelo. 220M. Lat. 56 deg. 52' S, long. 25 deg. 38' W. Collected

468354 TO 468371-continued

by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants rhizomatous in light colored sand. Rhizobial vial 126. Perennial Herb. Wild. Plants.

468361. GKPSc 30114. Paraguay. Collected June 20, 1977. Rocky hill west side of San Estanislao. 165M. Lat. 56 deg. 27' S, long. 24 deg. 40' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants rhizomatous in dark red to almost black laterite. Rhizobial vial 128. Perennial Herb. Wild. Plants.
468362. GKPSc 30115. Paraguay. Collected June 23, 1977. Grassland, Rio Aquidaban. 175M. Lat. 56 deg. 20' S, long. 22 deg. 45' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants erectoid in light sandy soil. Rhizobial vial 129. Perennial Herb. Wild. Plants.
468363. GKPSc 30116. Paraguay. Collected June 23, 1977. Near GKPSc 30115, Rio Aquidaban. 180M. Lat. 56 deg. 20' S, long. 22 deg. 45' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants rhizomatous in brown sandy loam. Rhizobial vial 130. Perennial Herb. Wild. Plants.
468364. GKPSc 30117. Paraguay. Collected June 23, 1977. Roadside, Rio Aquidaban. 180M. Lat. 56 deg. 20' S, long. 22 deg. 45' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants rhizomatous in brown sandy loam. Rhizobial vial 131. Perennial Herb. Wild. Plants.
468365. GKPSc 30118. Paraguay. Collected June 24, 1977. Grassland, 9km S of Bella Vista. 190M. Lat. 56 deg. 29' S, long. 22 deg. 12' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants erectoid in low spot of white sand. Rhizobial vial 132. Perennial Herb. Wild. Plants.
468366. GKPSc 30119. Paraguay. Collected June 24, 1977. Grassland, 9km S of Bella Vista. 190M. Lat. 56 deg. 29' S, long. 22 deg. 12' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants in low spot of white sand. Rhizobial vial 133. Wild. Plants.
468367. GKPSc 30120. Paraguay. Collected June 24, 1977. South, 14km of Bella Vista. 210M. Lat. 56 deg. 28' S, long. 22 deg. 15' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelli, and A. Schinini. Plants rhizomatous in low spot of white sand grassland. Rhizobial vial 134. Perennial Herb. Wild. Plants.
468368. GKPSc 30121. Paraguay. Collected June 24, 1977. South,

468354 TO 468371-continued

30km of Bella Vista. 220M. Lat. 56 deg. 27' S, long. 22 deg. 23' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelly, and A. Schinini. Plants rhizomatous in brown sandy soil atop low sierra. Rhizobial vial 135. Perennial Herb. Wild. Plants.

468369. GKPSc 30122. Paraguay. Collected June 24, 1977. South, 30km of Bella Vista. 220M. Lat. 56 deg. 27' S, long. 22 deg. 23' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelly, and A. Schinini. Plants rhizomatous in brown sandy soil atop low sierra. Rhizobial vial 136. Perennial Herb. Wild. Plants.

468370. GKPSc 30124. Paraguay. Collected June 24, 1977. Grassland, 23km S of Bella Vista. 180M. Lat. 56 deg. 27' S, long. 22 deg. 20' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelly, and A. Schinini. Plants erectoid in dark soil of low bottom. Rhizobial vial 167. Perennial Herb. Wild. Seed.

468371. GKPSc 30125. Paraguay. Collected June 24, 1977. South, 30km of Bella Vista. 220M. Lat. 56 deg. 27' S, long. 22 deg. 23' W. Collected by W.C. Gregory, A. Krapovickas, J. Pietrarelly, and A. Schinini. Plants rhizomatous. Possibly parent of GKPSc 30123. Perennial Herb. Wild. Plants.

468372. *Arachis* sp. (Fabaceae).

From Paraguay. Various Plant Explorers, International Board of Plant Genetic Resources (IBPGR), Food & Agriculture Organization, Rome, Italy.  
Received March 1980.

ScBo 15101. Paraguay. Collected April 16, 1978. Mayor Pedro Lagerenza, Chaco. Lat. 20 deg. 00' S, long. 60 deg. 45' W. Collected by A. Schinini and E. Bordas. Open forest. Plants with erect mainstems, laterals spreading and buried in sand. Wild. Seed.

468373 TO 468375. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From India. R.V.R. Pillai, D.M. College, Imphal, Manipur. Received through R.G. Palmer, USDA, Dept. of Genetics, Iowa State Univ., Ames, IA.  
Received January 1982.

468373. Chorchandpur. India. Cultivated. Seed.

468374. Manipur. India. Cultivated. Seed.

468373 TO 468375-continued

468375. Pallel. India. Cultivated. Seed.

468376 TO 468378. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. W. Lester, Farmland Soy Processing Company, Sergeant Bluff, Iowa, USA. Received through R.G. Palmer, USDA, Dept. of Genetics, Iowa State Univ., Ames, IA.

Received January 1982.

468376. Hong Kong #2. China, Peoples Repub of. State Farm 852, Heilongjiang Province. Protein 38.5%. Oil 17.7%. Cultivated. Seed.

468377. Hong Kong #3. China, Peoples Repub of. State Farm 852, Heilongjiang Province. Protein 34.4%. Oil 18.3%. Cultivated. Seed.

468378. #23. China, Peoples Repub of. Friendship State Farm, Heilongjiang Province. Protein 35%. Oil 16.9%. Cultivated. Seed.

468379. *Oryza sativa* L. (Poaceae) Rice.

From Spain. G. Lopez Campo, Departamento del Arroz, Sueca. Received December 1981.

Spain. Nano x Sollana. Cultivated. Seed.

468380. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Paraguay. E. P. Imle, International Programs Division, SEA, AR, USDA, Hyattsville, MD, USA.

Received December 1981.

216. Paraguay. Collected May 26, 1978. Botanical Garden, Asuncion. Soil apparently acidic. Tree 9m tall, 25.4cm diameter. Cultivated. Seed.

468381 TO 468383. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Japan. Takii & Company, Ltd. Seed Growers, Kyoto. Received through R.C. Hardwick, Natl. Vegetable Res. Sta., Wellesbourne, Warwick, England.

Received December 1981.

468381. 'Takii's Akita Early'. Japan. Cultivar. Seed.

468381 TO 468383-continued

468382. 'Takii's Extra Early'. Japan. Cultivar. Seed.

468383. 'Takii's Hakucho Early'. Japan. Cultivar. Seed.

468384 TO 468385. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Institute of Plant Protection,  
Jilin Academy of Agricultural Sciences, Gongzhuling,  
Jilin Province.  
Received April 1982.

468384. Lei-dian. China, Peoples Repub of. Cultivated. Seed.

468385. GD497. Li-wai-qing. China, Peoples Repub of. Cultivated.  
Seed.

468386 TO 468389. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae)  
Leadtree.

From United States. J. Conje, Cooperative Extension Service,  
College of the Virgin Islands, Kingshill, St. Croix,  
Virgin Islands.  
Received March 1981.

468386. United States. Virgin Islands. Tree. Wild. Seed.

468387. United States. Virgin Islands. Tree. Wild. Seed.

468388. United States. Virgin Islands. Tree. Wild. Seed.

468389. United States. Virgin Islands. Tree. Wild. Seed.

468390. *Trifolium alexandrinum* L. (Fabaceae) Berseem clover.

From Israel. Agricultural Research Organization, The Volcani  
Center, Bet-Dagan.  
Received May 1982.

'Eitan'. Israel. Cultivated. Seed.

468391. *Stevia rebaudiana* (Bertoni) Bertoni (Asteraceae).

From Brazil. Centro Nacional de Recursos Geneticos, Empresa  
Brasileira de Pesquisa Agropecuaria, CEP 70.000 -  
Brasilia D.F.  
Received January 1982.

02038 000078. CAA EHE. Brazil. Sao Paulo. IAC.

468391-continued

Cultivated. Seed.

468392 TO 468393. *Gossypium* sp. (Malvaceae) Cotton.

From Peru. Amado Del Valle M., c/o Ing. Cabanillas, Office of Food for the Hungry, Zarate, Lima 36. Received through D. Jordan, Plenty Agricultural Project, Summertown, TN. Received April 1982.

468392. 1. Peru. Collected February 25, 1982. Pucallpa, Ucayali Department. Local name Algodon. Perennial Herb. Cultivated. Seed.

468393. 2. Peru. Collected February 25, 1982. Pucallpa, Ucayali Department. Local name Algodon. Perennial Herb. Cultivated. Seed.

468394. *Cajanus cajan* (L.) Huth (Fabaceae) Pigeon pea.

From Peru. Amado Del Valle M., c/o Ing. Cabanillas, Office of Food for the Hungry, Zarate, Lima 36. Received through D. Jordan, Plenty Agricultural Project, Summertown, TN. Received April 1982.

3. Peru. Collected February 25, 1982. Pucallpa, Ucayali Department. Cultivated. Seed.

468395. *Canavalia ensiformis* (L.) DC. (Fabaceae) Jackbean.

From Peru. Amado Del Valle M., c/o Ing. Cabanillas, Office of Food for the Hungry, Zarate, Lima 36. Received through D. Jordan, Plenty Agricultural Project, Summertown, TN. Received April 1982.

4. Peru. Collected February 25, 1982. Pucallpa, Ucayali Department. Cultivated. Seed.

468396 TO 468400. *Glycine soja* Sieb. & Zucc. (Fabaceae) Wild soybean.

From China, Peoples Repub of. T. S. Hu, Institute of Soils and Fertilizers, Chinese Academy of Agricultural Sciences, Beijing. Received May 1982.

468396. China, Peoples Repub of. Collected 1980. Lucheng, Shansi Province. Wild. Seed.

468397. China, Peoples Repub of. Collected 1980. Taiyuanchen, Shansi Province. Wild. Seed.

468396 TO 468400-continued

468398. China, Peoples Repub of. Collected 1980. Yuyu, Shansi Province. Wild. Seed.
468399. China, Peoples Repub of. Collected 1980. Shouguang, Shantung Province. Wild. Seed.
468400. China, Peoples Repub of. Collected 1980. Ningsia Province. Wild. Seed.

468401 TO 468407. *Trifolium alexandrinum* L. (Fabaceae) Berseem clover.

From Portugal. Department of Forage & Pasture Crops, Estacao de Melhoramento de Plantas, Elvas.  
Received May 1982.

468401. ENMP 4427. Lage. Portugal. Tetraploid. Cultivated. Seed.
468402. ENMP 4428. Belem. Portugal. Diploid. Cultivated. Seed.
468403. ENMP 8084. Diploid. Cultivated. Seed.
468404. ENMP 8091. Portugal. Diploid. Cultivated. Seed.
468405. ENMP 8644. Spain. Diploid. Cultivated. Seed.
468406. ENMP 8935. Italy. Diploid. Cultivated. Seed.
468407. ENMP 9174. Portugal. Diploid. Cultivated. Seed.

468408. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Chinese Academy of Agricultural Sciences, Beijing. Received through R.D. Riggs, Dept. of Plant Pathology, University of Arkansas.  
Received May 1982.

Qi Huang #1. China, Peoples Repub of. Cultivated. Seed.

468409 TO 468413. *Hibiscus sabdariffa* L. (Malvaceae) Roselle.

From United States. W. C. Adamson, Southern Regional Plant Introduction Station, Experiment, Georgia.  
Received April 1982.

468409. 2400. Sel. 141 from PI 295598 x Sel. 150 from PI 256038. Plants fiber type, upright. Stems green. Leaf margins crenate, non-lobed. Breeding Material. Seed.
468410. 2404. Sel. 141 from PI 295598 x Sel. 150 from PI 256038.



468409 TO 468413-continued

Plants fiber type, upright, vigorous, high-yielding. Stems green, red spot at base of petioles. Leaf margins crenate, non-lobed. Breeding Material. Seed.

468411. 3214. Sel. 258 from PI 295598 x Sel. 150 from PI 256038. Plants fiber type, branch to an undesirable extent. Bark yield high per hectare. Stems green with red spots at base of petioles. Leaves palmate, deeply-lobed. Breeding Material. Seed.

468412. 3716. Sel. 141 from PI 295598 x THS-2. Plants fiber type, little branched. Bark yield high. Stems green with red spots at base of petioles. Leaf margins crenate, non-lobed. Breeding Material. Seed.

468413. 4400. Sel. 141 from PI 295598 x Sel. 150 from PI 256038. Plants fiber type, upright, vigorous, high-yielding. Stems green, red spot at base of petioles. Leaf margins crenate, non-lobed. Breeding Material. Seed.

468414 TO 468416. *Helianthus agrestis* Pollard (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468414. AGR-1567. United States. Collected October 14, 1980. Hwy Alt. 19, 8km south of Tapron Springs, Florida. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468415. AGR-1570. United States. Collected October 15, 1980. Hwy 64, 9.6km east of Bradenton, Florida. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468416. AGR-1573. United States. Collected October 15, 1980. Hwy 50, 1.6km west of St. John's River, west of Titusville, Florida. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468417 TO 468433. *Helianthus angustifolius* L. (Asteraceae) Swamp sunflower.

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468417. ANG-895. United States. Collected November 15, 1977.

468417 TO 468433-continued

- Sumter County, Georgia. Collected by J. D. Powell.  
Perennial Herb. Wild. Seed.
468418. ANG-1130. United States. Collected September 09, 1979.  
Hwy 43, 4.8km south of Atlanta, Texas. Collected by C. E. Rogers. Perennial Herb. Wild. Seed.
468419. ANG-1241. United States. Collected December 17, 1979.  
West side of FL 26, 0.2km S of jct 26 and 232, 8km E of Gainesville, FL. Collected by K. D. Perkins. Perennial Herb. Wild. Seed.
468420. ANG-1535. United States. Collected October 10, 1980. Hwy 270, 14.4km east of Wilburton, Oklahoma. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468421. ANG-1538. United States. Collected October 10, 1980. Hwy 270, 6.4km east of Page, Oklahoma. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468422. ANG-1541. United States. Collected October 10, 1980. Hwy 270, 7.3km west of Sheridan, Arkansas. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468423. ANG-1542. United States. Collected October 10, 1980. Hwy 167, 14.4km south of Hampton, Arkansas. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468424. ANG-1544. United States. Collected October 11, 1980. Hwy 35, 10.4km south of Kosciusko, Mississippi. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468425. ANG-1562. United States. Collected October 13, 1980. Hwy 71, 6.4km south of Kinard, Florida. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468426. ANG-1577. United States. Collected October 16, 1980. Hwy 301, 12km south of Callahan, Florida. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468427. ANG-1578. United States. Collected October 15, 1980. Hwy 23, 3.2km northwest of Folkston, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468428. ANG-1590. United States. Collected October 17, 1980. Hwy 20, 14.4km south of Canton, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468429. ANG-1611. United States. Collected October 20, 1980. Hwy 76, 4.8km east of Fair Bluff, North Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468430. ANG-1612. United States. Collected October 20, 1980. Jct.

468417 TO 468433-continued

of 1004 & 1005, 4.8km east of Wards, south of Chadburn, North Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468431. ANG-1613. United States. Collected October 20, 1980. Jct. of 74 & 76, 4.8km east of Whiteville, North Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468432. ANG-1614. United States. Collected October 20, 1980. Eight kilometers north, 3.2km east, 0.5km south of Lake Waccamaw, NC. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468433. ANG-1621. Collected October 22, 1980. Hwy 75, 1.6km west of Geraldine, Alabama. Collected by G. S. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468434 TO 468634. *Helianthus annuus* L. (Asteraceae) Sunflower.

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468434. ANN-910. United States. Collected August 29, 1979. Hwys 20 and 26, 0.8km west of Notus, Idaho. Collected by G. Gordon. Annual. Wild. Seed.

468435. ANN-912. United States. Collected August 29, 1979. Hwy 44, between Caldwell and Middleton, Idaho. Collected by G. Gordon. Annual. Wild. Seed.

468436. ANN-919. United States. Collected August 25, 1979. Interstate 75 northbound, 14.5km north I-64, rest stop, Scott Co., Kentucky. Collected by C. R. Gunn, A. Lukyanenko, and N. Bochkarev. Annual. Wild. Seed.

468437. ANN-962. United States. Collected August 29, 1979. Interstate 57 northbound, 0.1 km south of marker 111, Marion County, IL. Collected by C. R. Gunn, A. Lukyanenko, and N. Bochkarev. Annual. Wild. Seed.

468438. ANN-985. United States. Collected August 31, 1979. HWY 113, behind county dog pound, Dane County, Madison, Wisconsin. Collected by C. R. Gunn, A. Lukyanenko, and N. Bochkarev. Annual. Wild. Seed.

468439. ANN-1064. United States. Collected September 06, 1979. Colfax, North Dakota. Collected by J. Miller. Annual. Wild. Seed.

468434 TO 468634-continued

468440. ANN-1082. United States. Collected 1979. Illinois. Annual. Wild. Seed.
468441. ANN-1083. United States. Collected 1979. Illinois. Annual. Wild. Seed.
468442. ANN-1099. United States. Collected 1975. Southern Utah. Collected by Classon. Annual. Wild. Seed.
468443. ANN-1108. United States. Collected September 06, 1979. Hwy 33, east edge of bridge on Chouteau Creek, Chouteau, Oklahoma. Collected by C. E. Rogers. Annual. Wild. Seed.
468444. ANN-1109. United States. Collected September 08, 1979. Hwy 62, Rogers, Arkansas. Collected by C. E. Rogers. Annual. Wild. Seed.
468445. ANN-1141. United States. Collected September 10, 1979. Hwy 146, Mt. Belview, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468446. ANN-1143. United States. Collected September 10, 1979. Alt. 90, 14.4km east of Richmond, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468447. ANN-1149. United States. Collected September 10, 1979. Hwy 77, north edge of Victoria, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468448. ANN-1153. United States. Collected September 11, 1979. Hwy 77, 16km north of Robstown, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468449. ANN-1159. United States. Collected September 11, 1979. Hwy 77, south side of Raymondville, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468450. ANN-1160. United States. Collected September 11, 1979. Hwy 83, 0.4km west of A & M Center, Weslaco, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468451. ANN-1161. United States. Collected September 12, 1979. Hwy 83, 8km west of McAllen, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468452. ANN-1162. United States. Collected September 12, 1979. Hwy 83, 16km west of LaJoya, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468453. ANN-1163. United States. Collected September 12, 1979. Hwy 83, 12.8km west of Rio Grande City, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.

468434 TO 468634-continued

468454. ANN-1164. United States. Collected September 12, 1979.  
Hwy 83, Downtown Zapata, Texas. Collected by C. E. Rogers.  
Annual. Wild. Seed.
468455. ANN-1165. United States. Collected September 12, 1979.  
Hwy 83, 32km east of Laredo, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468456. ANN-1166. United States. Collected September 12, 1979.  
Hwy 83, 4.8km north of Laredo, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468457. ANN-1167. United States. Collected September 12, 1979.  
Hwy 44, 3.2km west Encinal, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468458. ANN-1169. United States. Collected September 12, 1979.  
Hwy 83, 16km south Catarina, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468459. ANN-1171. United States. Collected September 12, 1979.  
Hwy 1201, west edge of El Indio, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468460. ANN-1172. United States. Collected September 12, 1979.  
Hwy 277, 12.8km west of Eagle Pass, Texas. Collected by C.  
E. Rogers. Annual. Wild. Seed.
468461. ANN-1173. United States. Collected September 12, 1979.  
Hwy 277, east edge of Del Rio, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468462. ANN-1174. United States. Collected September 12, 1979.  
Hwy 90, 16km east of Comstock, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468463. ANN-1175. United States. Collected September 12, 1979.  
Hwy 90, 11.2km east of Lantog, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468464. ANN-1176. United States. Collected September 12, 1979.  
Hwy 90, 28.8km east of Dryden, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468465. ANN-1177. United States. Collected September 12, 1979.  
Hwy 90, at Gulf Station, west side of Sanderson, Texas.  
Collected by C. E. Rogers. Annual. Wild. Seed.
468466. ANN-1178. United States. Collected September 12, 1979.  
Hwy 285, 32km east of Fort Stockton, Texas. Collected by  
C. E. Rogers. Annual. Wild. Seed.

468434 TO 468634-continued

468467. ANN-1179. United States. Collected September 13, 1979. Hwy 18, 8km north of Fort Stockton, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468468. ANN-1184. United States. Collected September 13, 1979. Hwy 285, 16km south of Carlsbad, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
468469. ANN-1185. United States. Collected September 13, 1979. Hwy 285, 12.8km north of Artesia, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
468470. ANN-1186. United States. Collected September 13, 1979. Hwy 285, 6.4km south of Roswell, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
468471. ANN-1190. United States. Collected September 13, 1979. Hwy 70, 12.8km west of Elida, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
468472. ANN-1192. United States. Collected September 13, 1979. Hwy 60, 8km east of Clovis, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
468473. ANN-1193. United States. Collected September 13, 1979. Hwy 60, 16km west of Friona, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468474. ANN-1194. United States. Collected September 13, 1979. Hwy 60, 12.8km east of Hereford. Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468475. ANN-1200. United States. Collected September 27, 1979. Hwy 83, 30.4km north of Childress, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468476. ANN-1254. United States. Collected August 13, 1980. Eight kilometers southeast and 2.2km west of Imperial, Texas. Collected by G. Seiler and C. E. Rogers. Annual. Wild. Seed.
468477. ANN-1257. United States. Collected September 03, 1980. On Arnot Road, Interstate 40 E, 4.3km west of Bushland, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468478. ANN-1258. United States. Collected September 03, 1980. Interstate 40 E, 33.6km west of Amarillo, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468479. ANN-1259. United States. Collected September 03, 1980. Interstate 40 E, 8km west of Conway, Texas. Collected by

468434 TO 468634-continued

- G. Seiler and L. Cuk. Annual. Wild. Seed.
468480. ANN-1260. United States. Collected September 03, 1980. Hwy 66, west of Groom, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468481. ANN-1261. United States. Collected September 03, 1980. Hwy 66, 44.8km west of McLean, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468482. ANN-1262. United States. Collected September 03, 1980. Interstate 40 E, 19.2km west of McLean, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468483. ANN-1269. United States. Collected September 03, 1980. Interstate 40 E, 4km west of Sayre, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468484. ANN-1270. United States. Collected September 03, 1980. Interstate 40 E, 19.2km east of Sayre, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468485. ANN-1271. United States. Collected September 03, 1980. Interstate 40 E, 14.4km east of Elk City, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468486. ANN-1272. United States. Collected September 03, 1980. Interstate 40 E, 34.4km west of Elk City, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468487. ANN-1273. United States. Collected September 03, 1980. Interstate 40, 56km west of Elk City, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468488. ANN-1274. United States. Collected September 03, 1980. Interstate 40, 14.6km east of El Reno, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468489. ANN-1275. United States. Collected September 03, 1980. Hwy 281, 5.1km south of Winton, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468490. ANN-1277. United States. Collected September 03, 1980. Hwy 281, 8.4km south of Anadarka, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468491. ANN-1278. United States. Collected September 03, 1980. Hwy 9, 3.2km west of Apache, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468492. ANN-1279. United States. Collected September 04, 1980. Hwy 281, 28.8km south of Lawton, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468434 TO 468634-continued

468493. ANN-1280. United States. Collected September 04, 1980. Hwy 281, 14.4km north of Randlett, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468494. ANN-1281. United States. Collected September 04, 1980. Hwy 82, west edge of Nocona, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468495. ANN-1282. United States. Collected September 04, 1980. Hwy 82, west edge of Muenster, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468496. ANN-1283. United States. Collected September 04, 1980. Hwy 82, east edge of Sherman, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468497. ANN-1284. United States. Collected September 04, 1980. Hwy 82, 5.6km east of Window, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468498. ANN-1285. United States. Collected September 04, 1980. Hwy 82, 4.8km east of Honey Grove, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468499. ANN-1291. United States. Collected September 05, 1980. Hwy 146, south of La Porte, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468500. ANN-1292. United States. Collected September 06, 1980. Hwy 146, south of La Porte, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468501. ANN-1294. United States. Collected September 06, 1980. Hwy 146, 24km south of La Porte, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468502. ANN-1296. United States. Collected September 06, 1980. Hwy 146, 6.4km south of La Porte, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468503. ANN-1299. United States. Collected September 06, 1980. Hwy 146, 1.6km north of Texas City, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468504. ANN-1300. United States. Collected September 06, 1980. Hwy 6, by bridge, 3.2km west of Hitchcock, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468505. ANN-1301. United States. Collected September 06, 1980. West, 1.6km of Sugarland, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.



468434 TO 468634-continued

468506. ANN-1302. United States. Collected September 06, 1980. West, 4km of intersection Alt. 90 and Hwy 6, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468507. ANN-1303. United States. Collected September 06, 1980. West, 1.6km of Rosenberg, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468508. ANN-1304. United States. Collected September 06, 1980. Hwy 60, 12.8km south of E. Barnard, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468509. ANN-1305. United States. Collected September 06, 1980. Hwy 60, 10.4km south of Bay City, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468510. ANN-1307. United States. Collected September 06, 1980. South, 1.6km of Point Comfort, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468511. ANN-1308. United States. Collected September 06, 1980. Eleven kilometers south of Point Comfort, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468512. ANN-1310. United States. Collected September 07, 1980. Hwy 35, north edge of Trivoli, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468513. ANN-1311. United States. Collected September 07, 1980. Hwy 35, on edge of Bayou, 8km south of Trivoli, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468514. ANN-1312. United States. Collected September 07, 1980. On bank of Bayou, 16km south of hwy 35, 1.6km west on FM 774, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468515. ANN-1319. United States. Collected September 07, 1980. Hwy 35, 9.6km north, 3.2km west on FM 1781, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468516. ANN-1320. United States. Collected September 07, 1980. South, 1.6km of Aransas Pass, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468517. ANN-1321. United States. Collected September 07, 1980. Hwy 181, 1.6km north of Portland, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468518. ANN-1322. United States. Collected September 07, 1980. West, 9.6km of Chapman Ranch, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468434 TO 468634-continued

468519. ANN-1323. United States. Collected September 07, 1980. Hwy 77, 1.6km west of Bishop, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468520. ANN-1324. United States. Collected September 07, 1980. Hwy 77, 12.8km south of Kingsville, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468521. ANN-1336. United States. Collected September 08, 1980. Hwy 259, 14.4km west of Oilton, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468522. ANN-1337. United States. Collected September 08, 1980. Interstate 35, 6.4km north of Laredo, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468523. ANN-1338. United States. Collected September 08, 1980. Hwy 83, 56km south of Catarina, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468524. ANN-1339. United States. Collected September 08, 1980. Hwy 83, 11.2km south of Catarina, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468525. ANN-1343. United States. Collected September 08, 1980. Hwy 2644, 1.6km east of El Indio, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468526. ANN-1344. United States. Collected September 08, 1980. Hwy 77, 8km north of Eagle Pass, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468527. ANN-1345. United States. Collected September 08, 1980. Hwy 277, 1.6km south of Del Rio, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468528. ANN-1346. United States. Collected September 08, 1980. Southwest, 9.6km of Comstock, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468529. ANN-1347. United States. Collected September 09, 1980. Hwy 90, 56km southwest of Sanderson, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468530. ANN-1348. United States. Collected September 09, 1980. Hwy 90, 3.5km west of Marathon, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468531. ANN-1349. United States. Collected September 09, 1980. Hwy 90, 30.4km northwest of Marathon, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468434 TO 468634-continued

468532. ANN-1351. United States. Collected September 09, 1980. Interstate 10 and hwy 290, 43.2km west of Fort Stockton, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468533. ANN-1352. United States. Collected September 09, 1980. West, 11.2km of Fort Stockton, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468534. ANN-1353. United States. Collected September 10, 1980. Hwy 18, 16.8km north of Fort Stockton, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468535. ANN-1354. United States. Collected September 10, 1980. Hwy 18, 40km north of Fort Stockton, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468536. ANN-1355. United States. Collected September 10, 1980. Hwy 18, 7.2km north of Grandfalls, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468537. ANN-1366. United States. Collected September 10, 1980. Hwy 62, 33.6km north of Loving, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468538. ANN-1367. United States. Collected September 10, 1980. Hwy 82, 7.2km west of Artesia, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468539. ANN-1368. United States. Collected September 10, 1980. Hwy 190, 3.2km northeast of Dexter, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468540. ANN-1370. United States. Collected September 10, 1980. Hwy 190, 4.4km northwest of Dexter, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468541. ANN-1372. United States. Collected September 16, 1980. Bus I-40, 1.6km east of Vega, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468542. ANN-1373. United States. Collected September 16, 1980. Hwy 385, 17.6km south of Vega, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468543. ANN-1374. United States. Collected September 16, 1980. Hwy 60, 1.6km west of Hereford, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468544. ANN-1375. United States. Collected September 16, 1980. Hwy 60, 6.4km west of Friona, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468434 TO 468634-continued

468545. ANN-1376. United States. Collected September 16, 1980. West, 18.4km, 1.6km north of Bovina, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468546. ANN-1381. United States. Collected September 16, 1980. Hwy 18, 5.6km south of Dora, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468547. ANN-1385. United States. Collected September 16, 1980. Hwy 380, 36.8km west of Tatum, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468548. ANN-1387. United States. Collected September 16, 1980. West of Maljamar, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468549. ANN-1389. United States. Collected September 16, 1980. Hwy 82, 24.4km west of Loco Hills, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468550. ANN-1390. United States. Collected September 17, 1980. Hwy 82, 28.4km west of Artesia, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468551. ANN-1391. United States. Collected September 17, 1980. Hwy 82, off road in field, 37.6km west of Artesia, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468552. ANN-1392. United States. Collected September 17, 1980. Hwy 82. 54.4km west of Artesia, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468553. ANN-1393. United States. Collected September 17, 1980. Hwy 82, 80km west of Artesia, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468554. ANN-1394. United States. Collected September 17, 1980. Hwy 82, 8.8km east of Mayhill, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468555. ANN-1396. United States. Collected September 17, 1980. Hwy 82, 4.8km west of Cloudcroft, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468556. ANN-1399. United States. Collected September 17, 1980. Hwy 380, 46.4km west of Carrizozo, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468557. ANN-1401. United States. Collected September 17, 1980. Hwy 1, 1.6km south of San Antonio, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468434 TO 468634-continued

468558. ANN-1404. United States. Collected September 18, 1980.  
Hwy 85, 30.4km south of Truth or Consequences, New Mexico.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468559. ANN-1405. United States. Collected September 18, 1980.  
Hwy 85, 0.8km east and south of Garfield, New Mexico.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468560. ANN-1406. United States. Collected September 18, 1980.  
Hwy 85, 8.8km southeast of Hatch, New Mexico. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.
468561. ANN-1407. United States. Collected September 18, 1980.  
Hwy 478, 5.6km south of Mesquite, New Mexico. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.
468562. ANN-1411. United States. Collected September 18, 1980.  
Hwy 61, 13.6km east and 38.4km north of hwy 180, New  
Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild.  
Seed.
468563. ANN-1412. United States. Collected September 18, 1980.  
Hwy 61, 1.6km north of San Lorenzo, New Mexico. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.
468564. ANN-1413. United States. Collected September 19, 1980.  
Jct of US 180 and Bus. 180, edge of town, Silver City,  
New Mexico. Collected by G. Seiler and L. Cuk. Annual.  
Wild. Seed.
468565. ANN-1416. United States. Collected September 19, 1980.  
Hwy 180, 25.6km west of Silver City, New Mexico.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468566. ANN-1417. United States. Collected September 19, 1980.  
Hwy 180, 41.1km west of Silver City, New Mexico.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468567. ANN-1421. United States. Collected September 19, 1980.  
West 13.6km of Mule Creek, New Mexico. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.
468568. ANN-1422. United States. Collected September 19, 1980.  
Hwy 78 and 666, 3.2km northeast of Guthrie, Arizona.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468569. ANN-1423. United States. Collected September 19, 1980.  
Hwy 70, 11.2km east of Safford, Arizona. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.
468570. ANN-1424. United States. Collected September 19, 1980.  
Hwy 70, 4.8km west of Thatcher, Arizona. Collected by G.

468434 TO 468634-continued

Seiler and L. Cuk. Annual. Wild. Seed.

468571. ANN-1425. United States. Collected September 19, 1980. West, 7.2km of Bylas, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468572. ANN-1426. United States. Collected September 19, 1980. Hwy 60, 6.4km west of Miami, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468573. ANN-1427. United States. Collected September 19, 1980. West 24km of Miami, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468574. ANN-1428. United States. Collected September 19, 1980. Interstate 10, 3.2km east of Wilmont Road, Tucson, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468575. ANN-1429. United States. Collected September 20, 1980. Interstate 10, 36.8km northwest of Tucson, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468576. ANN-1430. United States. Collected September 20, 1980. Interstate 10, 6.4km northwest of Picacho, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468577. ANN-1431. United States. Collected September 20, 1980. East, 3.2km of jct of I-10 and hwy 85, Gila Bend, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468578. ANN-1432. United States. Collected September 20, 1980. Hwy 95, 8km south of Yuma, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468579. ANN-1433. United States. Collected September 20, 1980. Hwy 86, 1.6km south of El Centro, California. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468580. ANN-1434. United States. Collected September 20, 1980. Hwy 86 an 78, 8.8km northwest of Westmoreland, California. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468581. ANN-1438. United States. Collected September 20, 1980. Hwy 74, 3.2km southwest of Escine, California. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468582. ANN-1439. United States. Collected September 20, 1980. Hwy 74, 8km southwest of Perris, California. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468583. ANN-1440. United States. Collected September 20, 1980. Hwy 74, 1.6km west of Romaland, California. Collected by

468434 TO 468634-continued

- G. Seiler and L. Cuk. Annual. Wild. Seed.
468584. ANN-1443. United States. Collected September 21, 1980.  
Hwy 74, 1.6km southeast of Banning, California. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.
468585. ANN-1444. United States. Collected September 22, 1980.  
Hwy 58, 15.2km west of Mojave, California. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.
468586. ANN-1445. United States. Collected September 22, 1980.  
Hwy 58, 16km northwest of Tehachapi, California.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468587. ANN-1446. United States. Collected September 22, 1980.  
Hwy 99, 8km south of McFarland, California. Collected by  
G. Seiler and L. Cuk. Annual. Wild. Seed.
468588. ANN-1447. United States. Collected September 22, 1980.  
Hwy 99, 1.6km south of Earlimart, California. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.
468589. ANN-1448. United States. Collected September 22, 1980.  
Hwy 99, 8km south of Tulare, California. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.
468590. ANN-1449. United States. Collected September 22, 1980.  
Hwy 99, 4.8km south of Goshen, California. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.
468591. ANN-1450. United States. Collected September 22, 1980.  
Hwy 99, 28.8km north of Fresno, California. Collected by  
G. Seiler and L. Cuk. Annual. Wild. Seed.
468592. ANN-1451. United States. Collected September 22, 1980.  
Hwy 99, 1.6km southeast of Livingston, California.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468593. ANN-1453. United States. Collected September 23, 1980.  
Hwy 16, 1.6km west of Madison, California. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.
468594. ANN-1454. United States. Collected September 23, 1980.  
Woodland on County Rd. 25, 3.2km east of Road 103, Yolo  
County, California. Collected by G. Seiler and L. Cuk.  
Annual. Wild. Seed.
468595. ANN-1460. United States. Collected September 25, 1980.  
Alternate 95, 1.6km north of Fernley, Nevada. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.
468596. ANN-1461. United States. Collected September 25, 1980.  
Hwy 50A, 7.2km southeast of Fernley, Nevada. Collected by

468434 TO 468634-continued

G. Seiler and L. Cuk. Annual. Wild. Seed.

468597. ANN-1462. United States. Collected September 26, 1980. Hwy 50A, 8km north of Fallon, Nevada. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468598. ANN-1463. United States. Collected September 26, 1980. On Sheckler Road, 3.2km west of Fallon, Nevada. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468599. ANN-1464. United States. Collected September 26, 1980. Hwy 95, south of Schurz, Nevada. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468600. ANN-1465. United States. Collected September 26, 1980. Hwy 93, 14.4km north of Alamo, Nevada. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468601. ANN-1466. United States. Collected September 27, 1980. Hwy 93, north edge of town, Alamo, Nevada. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468602. ANN-1467. United States. Collected September 27, 1980. Hwy 93, 11.2km south of Alamo, Nevada. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468603. ANN-1468. United States. Collected September 27, 1980. Hwy 12, 1.6km south of Overton, Nevada. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468604. ANN-1470. United States. Collected September 27, 1980. Hwy 144, 1.6km north of Mesquite, Nevada. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468605. ANN-1472. United States. Collected September 27, 1980. South of Beaver Dam, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468606. ANN-1473. United States. Collected September 27, 1980. Interstate 15, 8km south of St. George, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468607. ANN-1475. United States. Collected September 27, 1980. Interstate 15, Frontage Road, 3.2km east of Leeds, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468608. ANN-1477. United States. Collected September 27, 1980. Hwy 9, 8km west of Grafton, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468609. ANN-1479. United States. Collected September 28, 1980. Hwy 89, just south of Kanab, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.



468434 TO 468634-continued

468610. ANN-1481. United States. Collected September 28, 1980. Twelve kilometers east of Kanab, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468611. ANN-1483. United States. Collected September 28, 1980. Hwy 89, 57.1km east of Kanab, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468612. ANN-1488. United States. Collected September 28, 1980. West, 3km of Tuba City, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468613. ANN-1490. United States. Collected September 28, 1980. Hopi Indian Reservation, 8km west of Second Mesa, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468614. ANN-1491. United States. Collected September 29, 1980. Hwy 666, 4.8km north of Gallup, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468615. ANN-1492. United States. Collected September 29, 1980. Hwy 666, 8km south of Newcomb, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468616. ANN-1493. United States. Collected September 29, 1980. Hwy 504, 1.6km west of Shiprock, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468617. ANN-1501. United States. Collected September 29, 1980. Hwy 163, Navajo Indian Historical Marker, northeast of Bluff, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468618. ANN-1503. United States. Collected September 29, 1980. Hwy 163, 9.6km south of Blanding, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468619. ANN-1507. United States. Collected September 30, 1980. Hwy 95, 6.4km south of Hanksville, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468620. ANN-1510. United States. Collected September 30, 1980. Interstate 70, 48km east of Green River, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468621. ANN-1511. United States. Collected September 30, 1980. Interstate 70, 28.8km west of Grand Junction, Colorado. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468622. ANN-1512. United States. Collected September 30, 1980. Hwy 6, Interstate 70, city limits of Parachute, Colorado. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468434 TO 468634-continued

468623. ANN-1513. United States. Collected September 30, 1980. West, 9.6km of Glenwood Springs, Colorado. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468624. ANN-1515. United States. Collected October 01, 1980. Hwy 24, 11.2km south of Granite, Colorado. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468625. ANN-1516. United States. Collected October 01, 1980. Hwy 285, 1 km south of Nathrop, Colorado. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468626. ANN-1519. United States. Collected October 01, 1980. Hwy 285, 30.4km south of Poncha Springs, Colorado. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468627. ANN-1520. United States. Collected October 01, 1980. Hwy 160 and 285, 1.6km west of Alamosa, Colorado. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468628. ANN-1522. United States. Collected October 09, 1980. Hwy 285, 11.2km south of Antonio, Colorado, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468629. ANN-1523. United States. Collected October 09, 1980. Hwy 285, 32km south of Tres Piedras, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468630. ANN-1526. United States. Collected October 09, 1980. Interstate 40, 11.2km west of Yukon, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468631. ANN-1528. United States. Collected October 09, 1980. Interstate 40, 8km west of Oklahoma City, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468632. ANN-1529. United States. Collected October 09, 1980. Hwy 177, 8km south of Tecumseh, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468633. ANN-1624. United States. Collected October 23, 1980. South, 3.2km of Peterburg, Indiana. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468634. ANN-1672. United States. Collected November 07, 1980. Hwy 190, 4km northeast of Dexter, New Mexico. Collected by G. Seiler. Annual. Wild. Seed.

468635 TO 468637. *Helianthus annuus* var. *macrocarpus* (DC.) Ckll.  
(Asteraceae) Hopi sunflower.

From United States. Conservation and Production Research

**468635 TO 468637-continued**

Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

- 468635. ANN-1249. Mexico. Collected August 11, 1979. Sonora Market, Mexico City. Collected by L. Feine, Dudley, G. Nabhan. Annual. Cultivated. Seed.
- 468636. ANN-1250. Mexico. Collected August 11, 1979. Sonora Market, Mexico Federal District, Mexico City. Collected by L. Feine, Dudley, G. Nabhan. Annual. Cultivated. Seed.
- 468637. ANN-1251. United States. Collected November 03, 1979. Near Dinnebito Dam turnoff, 8.9km west of Hotevilla, Navajo County, Arizona. Collected by G. Nabhan and K. Reichardt. Annual. Cultivated. Seed.

**468638 TO 468644. Helianthus anomalous Blake (Asteraceae).**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

- 468638. ANO-1495. United States. Collected September 29, 1980. Hwy 160, going west, between markers 440-441, 9.6km E of Mexican Water, AR. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
- 468639. ANO-1497. United States. Collected September 29, 1980. Hwy 160, marker 422, 28.8km west of Mexican Water, Arkansas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
- 468640. ANO-1500. United States. Collected September 29, 1980. Hwy 163, marker 42, 33.1km northeast of Mexican Hat, Arkansas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
- 468641. ANO-1505. United States. Collected September 30, 1980. Hwy 95, between markers 26-27, 42.4km south of Hanksville, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
- 468642. ANO-1506. United States. Collected September 30, 1980. Hwy 95, between markers 13-14, 21.6km south of Hanksville, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
- 468643. ANO-1508. United States. Collected September 30, 1980.

468638 TO 468644-continued

Hwy 24, marker 122, 7.2km north of Hanksville, Utah.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468644. ANO-1509. United States. Collected September 30, 1980.  
Hwy 24, between markers 134-135, 24km north of  
Hanksville, Utah. Collected by G. Seiler and L. Cuk.  
Annual. Wild. Seed.

468645 TO 468651. *Helianthus argophyllus* Torr. & Gray (Asteraceae)  
Silverleaf sunflower.

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

468645. ARG-481. United States. Collected 1969. North Padre  
Island, Texas. Annual. Wild. Seed.

468646. ARG-1156. United States. Collected September 11, 1979.  
Hwy 77, Riviera, Texas. Collected by C. E. Rogers. Annual.  
Wild. Seed.

468647. ARG-1314. United States. Collected September 07, 1980.  
North, 14.4km of Rockport, Texas. Collected by G. Seiler  
and L. Cuk. Annual. Wild. Seed.

468648. ARG-1315. United States. Collected September 07, 1980.  
North, 9.6km of Rockport, Texas. Collected by G. Seiler  
and L. Cuk. Annual. Wild. Seed.

468649. ARG-1317. United States. Collected September 07, 1980.  
North, 9.6km on hwy 35, 3.2km west on FM 1781, Texas.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468650. ARG-1332. United States. Collected September 07, 1980.  
Hwy 285, 28.8km east of Hebronville, Texas. Collected by  
G. Seiler and L. Cuk. Annual. Wild. Seed.

468651. ARG-1575. United States. Collected October 15, 1980. Hwy  
1A & Seaview Dr., N edge of Inters. of Daytona and Crmond  
Beaches, FL. Collected by G. Seiler and L. Cuk. Annual.  
Wild. Seed.

468652 TO 468659. *Helianthus atrorubens* L. (Asteraceae) Hairy wood  
sunflower.

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species

468652 TO 468659-continued  
prefixes.  
Received November 1981.

468652. ATR-1229. United States. Collected September 27, 1979. South, 6.4km of Hardeville, South Carolina. Collected by K. Perkins, R. Leffel, D. Zimmer, A. Lukyanenko, and N. Bochkarev. Perennial Herb. Wild. Seed.
468653. ATR-1584. United States. Collected October 16, 1980. Hwy 19, 8.8km south of Thomaston, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468654. ATR-1586. United States. Collected October 17, 1980. Hwy 41, 3.2km south of Greenville, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468655. ATR-1588. United States. Collected October 17, 1980. Hwy 20, 14.4km south of Canton, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468656. ATR-1595. United States. Collected October 18, 1980. Hwy 328, 9.6km east of Avalon, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468657. ATR-1596. United States. Collected October 18, 1980. Hwy 59, 6.4km south of Tokeena, South Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468658. ATR-1608. United States. Collected October 19, 1980. Hwy 321, 17.6km north of Gastonia, South Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468659. ATR-1615. United States. Collected October 20, 1980. Eight kilometers north, 3.2km east, 0.5km south of Lake Waccamaw, NC. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468660 TO 468663. *Helianthus bolanderi* A. Gray (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.  
Received November 1981.

468660. BOL-1456. United States. Collected September 25, 1980. Northwest of Lake Berryessa, 11.2km south of Knoxville, California. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468661. BOL-1457. United States. Collected September 25, 1980. Northwest, 4.8km of Knoxville, California. Collected by G.

**468660 TO 468663-continued**

Seiler and L. Cuk. Annual. Wild. Seed.

**468662.** EXI-1455. United States. Collected September 25, 1980. Knoxville, California. Collected by G. Seiler and L. Cuk. Received as *H. exilis*. Perennial Herb. Wild. Seed.

**468663.** EXI-1458. United States. Collected September 25, 1980. Hwy 20 and 16, 28.8km west of Williams, California. Collected by G. Seiler and L. Cuk. Received as *H. exilis*. Perennial Herb. Wild. Seed.

**468664 TO 468665. *Helianthus ciliaris* DC. (Asteraceae) Texas blueweed.**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.  
Received November 1981.

**468664.** CIL-1252. United States. Collected August 12, 1980. Hwy 349, 22.4km north of Midland, Texas. Collected by G. Seiler and C. Rogers. Perennial Herb. Wild. Seed.

**468665.** CIL-1350. United States. Collected September 09, 1980. Hwy 90, 3.2km north of Lobo, Texas. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

**468666. *Helianthus debilis* Nutt. (Asteraceae) Beach sunflower.**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.  
Received November 1981.

DEB-1089. United States. Annual. Wild. Seed.

**468667. *Helianthus debilis* subsp. *cucumerifolius* (Torr. & A. Gray) Heiser (Asteraceae).**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.  
Received November 1981.

DEB-1140. United States. Collected September 10, 1979. Hwy 146, Liberty, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.

468668 TO 468673. *Helianthus debilis* Nutt. subsp. *debilis* (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468668. DEB-1205. United States. Collected September 24, 1979. On FL A-1A, 4km south of jct. of FL 100 and Flagler Beach, Flagler Co., FL. Collected by K. D. Perkins, R. Leffel, A. Lukyanenko, N. Bochkarev. Annual. Wild. Seed.
468669. DEB-1207. United States. Collected September 24, 1979. East side FL A-1A, 2.4km N of Ormond Beach, Volusia County, Florida. Collected by K. D. Perkins, R. Leffel, A. Lukyanenko, N. Bochkarev. Annual. Wild. Seed.
468670. DEB-1208. United States. Collected September 24, 1979. West side FL A-1A, jct of Daytona and Ormond Beaches, city limits, Florida. Collected by K. D. Perkins, R. Leffel, A. Lukyanenko, and N. Bochkarev. Annual. Wild. Seed.
468671. DEB-1571. United States. Collected October 15, 1980. FL A-1A, Indialantic, public beach, Florida. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468672. DEB-1572. United States. Collected October 15, 1980. FL A-1A, 1.6km north of South Patrick Shores, Florida. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468673. DEB-1574. United States. Collected October 15, 1980. FL A-1A, and Seaview Dr., north edge, Daytona Beach-Ormond Beach Line, FL. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468674 TO 468687. *Helianthus debilis* subsp. *silvestris* Heiser (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468674. DEB-366. United States. Collected September 14, 1976. Hwy 259, 8.9km north of Henderson, Texas. Collected by T. E. Thompson and C. E. Rogers. Annual. Wild. Seed.
468675. DEB-367. United States. Collected September 14, 1976. Hwy 79, 1.6km east of Bruce Hobbs Farm, 6.4km south of Henderson, Texas. Collected by T. E. Thompson and C. E.

468674 TO 468687-continued

- Rogers. Annual. Wild. Seed.
468676. DEB-369. United States. Collected September 14, 1976.  
Hwy 259, 16km south of Henderson, Texas. Collected by T.  
E. Thompson and C. E. Rogers. Annual. Wild. Seed.
468677. DEB-1132. United States. Collected September 09, 1979.  
Hwy 43, 12.8km north of Tatum, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468678. DEB-1134. United States. Collected September 09, 1979.  
Hwy 43, 16km north of Henderson, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468679. DEB-1135. United States. Collected September 09, 1979.  
Hwy 839, May's Cemetery, south of Henderson, Texas.  
Collected by C. E. Rogers. Annual. Wild. Seed.
468680. DEB-1136. United States. Collected September 09, 1979.  
Hwy 84, 8km east of Reklaw, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468681. DEB-1137. United States. Collected September 09, 1979.  
Hwy 225, 4.8km north of Cushing, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468682. DEB-1138. United States. Collected September 09, 1979.  
West of hwy 59, Nacogdoches, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468683. DEB-1286. United States. Collected September 04, 1980.  
Hwy 259, 8km west of Henderson, Texas. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.
468684. DEB-1287. United States. Collected September 04, 1980.  
Hwy 259, 20.8km south of Henderson, Texas. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.
468685. DEB-1288. United States. Collected September 04, 1980.  
Hwy 259, 8.9km south of Mt. Enterprise, Texas. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.
468686. DEB-1289. United States. Collected September 04, 1980.  
Hwy 259, 3.2km east of FM 1087, 16km south of Mt.  
Enterprise, Texas. Collected by G. Seiler and L. Cuk.  
Annual. Wild. Seed.
468687. DEB-1290. United States. Collected September 04, 1980.  
Hwy 59, west edge of Nacogdoches, Texas. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.



**468688 TO 468692. Helianthus debilis subsp. tardiflorus Heiser  
(Asteraceae).**

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

- 468688. DEB-894. United States. Collected October 15, 1977. End of Route C-372A, northeast of Panacea, Florida. Collected by S. W. Leonard. Annual. Wild. Seed.
- 468689. DEB-1564. United States. Collected October 13, 1980. Hwy 98, 1.6km east of Port St. Joe, Florida. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
- 468690. DEB-1565. United States. Collected October 13, 1980. On beach, east edge of Carrabelle, Florida. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
- 468691. DEB-1566. United States. Collected October 13, 1980. Hwy 98, 4km northeast of Panacea, Florida. Collected by G. Seiler & L. Cuk. Annual. Wild. Seed.
- 468692. DEB-1675. United States. Collected August 28, 1980. Along coast, NE Panacea, end of County Rd. C-372A, Wakulla County, Florida. Collected by J. Gershenzon. Annual. Wild. Seed.

**468693 TO 468695. Helianthus debilis subsp. vestitus (E. E. Wats.)  
Heiser (Asteraceae).**

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

- 468693. DEB-1087. United States. Collected April 05, 1980. Upham Public Beach, 69th St. & Beachway, Pinellas Co., St. Petersburg, FL. Collected by Craig Smith. Annual. Wild. Seed.
- 468694. DEB-1568. United States. Collected October 15, 1980. Public beach just north of Anna Maria, Florida. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
- 468695. DEB-1569. United States. Collected October 15, 1980. Hwy 789, 3.2km south of Longboat Park, Florida. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468696 TO 468697. *Helianthus decapetalus* L. (Asteraceae) Thinleaf sunflower.

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468696. DEC-1679. United States. Collected September 08, 1980. Hwy 501, south of Timberlake, just north of jct. 57 and Durham Co. line, NC. Collected by J. Gershenzon. Perennial Herb. Wild. Seed.

468697. DEC-1688. United States. Collected September 14, 1980. Hwy 221, 9.6km east of Lineville, Avery County, North Carolina. Collected by J. Gershenzon. Perennial Herb. Wild. Seed.

468698 TO 468705. *Helianthus deserticola* Heiser (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468698. DES-913. United States. Collected August 24, 1979. Toward river, 1 km below, Virgin, Utah. Collected by G. Nabhan and R. Reichhardt. Annual. Wild. Seed.

468699. DES-1091. United States. Collected 1976. Interstate 15, 1.6km south of Toquerville exit, Utah. Collected by Tarailo. Annual. Wild. Seed.

468700. DES-1471. United States. Collected September 27, 1980. Interstate I 15N, Exit 8, 0.8km south of Beaver Dam, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468701. DES-1474. United States. Collected September 27, 1980. Interstate 15, 0.8km south Frontage Rd., 4.8km east of Leeds, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468702. DES-1476. United States. Collected September 27, 1980. Interstate I 15. toward river, 2.6km south of Virgin, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468703. DES-1484. United States. Collected September 28, 1980. Hwy 89, 91.2km east of Kanab, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468698 TO 468705-continued

468704. DES-1485. United States. Collected September 28, 1980. Hwy 89, 12km northwest of Page, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468705. DES-1486. United States. Collected September 28, 1980. Hwy 89, 1.6km west and 4km south of Page, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468706 TO 468711. *Helianthus divaricatus* L. (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468706. DIV-951. United States. Collected August 24, 1979. Hwy US 150, 6.4km south of Fredericksburg, Indiana. Collected by C. R. Gunn, A. Lukyanenko, and N. Bochkarev. Perennial Herb. Wild. Seed.

468707. DIV-975. United States. Collected August 31, 1979. Hwy 78N, 0.2km north of jct 78 & J, Wisconsin. Collected by C. R. Gunn, A. Lukyanenko, and N. Bochkarev. Perennial Herb. Wild. Seed.

468708. DIV-1115. United States. Collected September 08, 1979. Hwy 23, 6.4km north of Forum, Arkansas. Collected by C. E. Rogers. Perennial Herb. Wild. Seed.

468709. DIV-1119. United States. Collected September 08, 1979. Hwy 23, 4.8km south of De Paul, Arkansas. Collected by C. E. Rogers. Perennial Herb. Wild. Seed.

468710. DIV-1126. United States. Collected September 08, 1979. Hwy 27, 1.6km north of Aly, Arkansas. Collected by C. E. Rogers. Perennial Herb. Wild. Seed.

468711. DIV-1129. United States. Collected September 09, 1979. Hwy 27, 4.8km south of Nolan Arkansas. Collected by C. E. Rogers. Perennial Herb. Wild. Seed.

468712. *Helianthus eggertii* Small (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

**468712-continued**

EGG-1626. United States. Collected October 24, 1980. Hwy 20, 3.2km west of Summertown, Tennessee. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

**468713 TO 468716. *Helianthus floridanus* A. Gray ex Chapm. (Asteraceae).**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468713. FLO-1225. United States. Collected September 26, 1979. Hwy 122, 4.9km west of jct. of hwy 122 & 84, 2.4km W of Waycross, Georgia. Collected by K.D. Perkins, R. Leffel, D. Zimmer, A. Lukyanenko and N. Bochkarev. Perennial Herb. Wild. Seed.

468714. FLO-1235. United States. Collected November 05, 1979. Hwy 21, 4.4km west of jct 21 & 16, 4.8km southwest of Middleburg, Florida. Collected by K. D. Perkins, S. Mah, Kooijman, and W. Judd. Perennial Herb. Wild. Seed.

468715. FLO-1576. United States. Collected October 16, 1980. Hwys 1 & 301, 12km south of Callahan, Florida. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468716. FLO-1579. United States. Collected October 15, 1980. Hwys 1 & 23, 3.2km northwest of Folkston, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

**468717 TO 468720. *Helianthus giganteus* L. (Asteraceae) Giant sunflower.**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468717. GIG-1605. United States. Collected October 19, 1980. Hwy 221, east of Boone, North Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468718. GIG-1616. United States. Collected October 21, 1980. North edge of Stem on hwy to Belttown, North Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468719. GIG-1617. United States. Collected October 21, 1980. South, 1.6km of Oxford, North Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468720. GIG-1682. United States. Collected September 10, 1980.

**468717 TO 468720-continued**

Hwy 158, just east of Oxford, North Carolina. Collected by J. Gershenzon. Perennial Herb. Wild. Seed.

**468721. Helianthus glaucophyllus D. M. Smith (Asteraceae).**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

GLA-1604. United States. Collected October 19, 1980. Hwy 321, 3.2km southeast of Blowing Rock, North Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

**468722 TO 468723. Helianthus gracilentus A. Gray (Asteraceae) Slender sunflower.**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

**468722.** GRA-1437. United States. Collected September 21, 1980. Cleveland National Forest, 24km northwest of San Juan Capistrano, CA. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

**468723.** GRA-1442. United States. Collected September 21, 1980. Near entrance to San Bernadino Nat'l Forest, 12.8km SE of Banning, CA. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

**468724 TO 468727. Helianthus grosse-serratus Martens (Asteraceae) Sawtooth sunflower.**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

**468724.** GRO-1075. United States. Collected October 10, 1979. Northeast edge of Normal, McLean County, Illinois. Collected by T. J. Chuang. Perennial Herb. Wild. Seed.

**468725.** GRO-1534. United States. Collected October 10, 1980. Hwy 270, 12.8km east of Wilburton, Oklahoma. Collected by G.

468724 TO 468727-continued

Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468726. GRO-1543. United States. Collected October 11, 1980. Hwy 82, 8km west of Winona, Mississippi. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468727. GRO-1630. United States. Collected October 25, 1980. Interstate 40, 9.6km west of Muldrum, Oklahoma. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468728 TO 468733. *Helianthus heterophyllus* Nutt. (Asteraceae) Hairy sunflower.

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468728. HET-1547. United States. Collected October 12, 1980. Hwy 435, 1.6km east of Abita Springs, Louisiana. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468729. HET-1549. United States. Collected October 12, 1980. Hwy 36, 12.8km east of Abita Springs, Louisiana. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468730. HET-1551. United States. Collected October 12, 1980. Hwy 190, 4km east of Slidell, Louisiana. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468731. HET-1553. United States. Hwy 90, 17.6km west of Waveland, Mississippi. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468732. HET-1559. United States. Collected October 13, 1980. Hwy 87, 1.6km north of Navarre, Florida. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468733. HET-1561. United States. Collected October 13, 1980. Hwy 20, 4.8km west of Bruce, Florida. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468734 TO 468739. *Helianthus hirsutus* Raf. (Asteraceae) Stiff-haired sunflower.

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

**468734 TO 468739-continued**

- 468734.** HIR-978. United States. Collected August 31, 1979. North of US 14, Pestge Park Road, Wisconsin. Collected by C. R. Gunn, A. Lukyanenko, and N. Bochkarev. Perennial Herb. Wild. Seed.
- 468735.** HIR-982. United States. Collected August 31, 1979. On Pestge Park Road, 1.5km north of US 14, Wisconsin. Collected by C. R. Gunn, A. Lukyanenko, and N. Bochkarev. Perennial Herb. Wild. Seed.
- 468736.** HIR-1212. United States. Collected September 25, 1979. South southwest, 9.6km of Bainridge, Georgia. Collected by K. D. Perkins, A. Gholson, R. Leffel, A. Lukyanenko, and N. Bochkarev. Perennial Herb. Wild. Seed.
- 468737.** HIR-1533. United States. Collected October 10, 1980. Hwy 270, 11.2km east of Wilburton, Oklahoma. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
- 468738.** HIR-1536. United States. Collected October 10, 1980. Hwy 270, 16km east of Red Oak, Oklahoma. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
- 468739.** HIR-1537. United States. Collected October 10, 1980. Hwy 270, 3.2km east of Page, Oklahoma. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

**468740 TO 468742. *Helianthus laevigatus* Torr. & Gray (Asteraceae).**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

- 468740.** LAEV-1618. United States. Collected October 21, 1980. Upper Goose Cr. Valley, marker 90, Blue Ridge Parkway, NE of Roanoke, VA. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
- 468741.** LAEV-1619. United States. Collected October 21, 1980. Pine Tree Overlook, marker 95, Blue Ridge Parkway, NE of Roanoke, Virginia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
- 468742.** LAEV-1620. United States. Collected October 21, 1980. On Blue Ridge Parkway, marker 102, northeast of Roanoke, Virginia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

**468743 TO 468750. *Helianthus maximiliani* Schrad. (Asteraceae)  
Maximilian's sunflower.**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

- 468743. MAX-1049. United States. Collected September 06, 1979. Moorhead, Minnesota. Collected by J. Miller. Perennial Herb. Wild. Seed.
- 468744. MAX-1050. United States. Collected September 06, 1979. Moorhead, Minnesota. Collected by J. Miller. Perennial Herb. Wild. Seed.
- 468745. MAX-1053. United States. Collected September 06, 1979. Kragness, Minnesota. Collected by J. Miller. Perennial Herb. Wild. Seed.
- 468746. MAX-1076. United States. Collected October 24, 1979. Interstate 75N, 0.4km south of Madison Road, frontage road, Madison Co., KY. Collected by J. Lassetter. Perennial Herb. Wild. Seed.
- 468747. MAX-1077. United States. Collected 1979. Illinois. Perennial Herb. Wild. Seed.
- 468748. MAX-1088. United States. Perennial Herb. Wild. Seed.
- 468749. MAX-1525. United States. Collected October 01, 1980. Hwys 84 and 285, just south of Santa Fe, New Mexico. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
- 468750. MAX-1631. United States. Collected October 25, 1980. Interstate 40, 73.6km east of Weatherford, Oklahoma. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

**468751 TO 468757. *Helianthus microcephalus* Torr. & Gray (Asteraceae)  
Small wood sunflower.**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

- 468751. MIC-1583. United States. Collected October 16, 1980. Hwy 19, 18.4km south of Thomaston, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.



468751 TO 468757-continued

468752. MIC-1585. United States. Collected October 17, 1980. On Jefferson Davis Road, 7.2km west of hwy 19, North Thomaston, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468753. MIC-1591. United States. Collected October 17, 1980. Hwy 20, 9.6km south of Canton, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468754. MIC-1592. United States. Collected October 18, 1980. Hwy 123, 11.2km west of Toccoa, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468755. MIC-1594. United States. Collected October 18, 1980. Hwy 328, 9.6km east of Avalon, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468756. MIC-1602. United States. Collected October 19, 1980. Hwy 18, 11.2km southeast of Morgantown, North Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468757. MIC-1627. United States. Collected October 24, 1980. Hwy 64, 16km west of Waynesboro, Tennessee. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468758 TO 468762. *Helianthus mollis* Lam. (Asteraceae) Ashy sunflower.

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468758. MOL-1127. United States. Collected September 08, 1979. Hwy 27, 1.6km north of Aly, Arkansas. Collected by C. E. Rogers. Perennial Herb. Wild. Seed.
468759. MOL-1298. United States. Collected September 06, 1980. Hwy 146, just south of Seabrook, Texas. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468760. MOL-1530. United States. Collected October 09, 1980. Hwy 59, 3.2km south and 1.6km west of Seminole, Oklahoma. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468761. MOL-1531. United States. Collected October 09, 1980. Hwy 270, 18.4km south of Seminole, Oklahoma. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468758 TO 468762-continued

468762. MOL-1629. United States. Collected October 25, 1980.  
Interstate 40, 12.8km east of Muldrum, Oklahoma.  
Collected by G. Seiler and L. Cuk. Perennial Herb. Wild.  
Seed.

468763 TO 468781. *Helianthus neglectus* Heiser (Asteraceae).

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

468763. NEG-1086. United States. Collected September 13, 1979.  
South, 44.8km of Loving, New Mexico. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468764. NEG-1180. United States. Collected September 13, 1979.  
Hwy 18, 16km south of Monahans, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468765. NEG-1181. United States. Collected September 13, 1979.  
Hwy 18, 8km north of Monahans, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468766. NEG-1182. United States. Collected September 13, 1979.  
Hwy 18, 17.6km north of Monohans, Texas. Collected by C.  
E. Rogers. Annual. Wild. Seed.
468767. NEG-1183. United States. Collected September 13, 1979.  
Hwy 18, 8km south of Jal, New Mexico. Collected by C. E.  
Rogers. Annual. Wild. Seed.
468768. NEG-1255. United States. Collected August 13, 1980. Hwy  
18, 12.8km southeast of Kermit, Texas. Collected by G.  
Seiler and C. Rogers. Annual. Wild. Seed.
468769. NEG-1356. United States. Collected September 10, 1980.  
Hwy 18, 11.2km north of Grandfalls, Texas. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.
468770. NEG-1358. United States. Collected September 10, 1980.  
North then 3.2km east of Monahans, Texas. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.
468771. NEG-1359. United States. Collected September 10, 1980.  
Hwy 18, 20km north, 0.8km east of Monahans, Texas.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468772. NEG-1360. United States. Collected September 10, 1980.  
On FM 1232, 1.6km south, 5.6km east of Wink, Texas.

468763 TO 468781-continued

Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468773. NEG-1361. United States. Collected September 10, 1980. On FM 1232, 7.2km southwest of Kermit, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468774. NEG-1362. United States. Collected September 10, 1980. Hwy 18, 12.8km south of Jal, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468775. NEG-1363. United States. Collected September 10, 1980. Hwy 128, 35.2km west of Jal, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468776. NEG-1364. United States. Collected September 10, 1980. Hwy 128, 48km west of Jal, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468777. NEG-1365. United States. Collected September 10, 1980. Hwy 31, 28.8km north of Loving, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468778. NEG-1369. United States. Collected September 10, 1980. Hwy 190, 4.4km northwest of Dexter, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468779. NEG-1386. United States. Collected September 16, 1980. Hwy 172, 16km north of Maljamar, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468780. NEG-1388. United States. Collected September 16, 1980. Hwy 82, 4km west of Loco Hills, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468781. NEG-1415. United States. Collected September 19, 1980. Hwy 180, 18.4km west of Silver City, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468782 TO 468792. *Helianthus niveus* subsp. *canescens* (A. Gray) Heiser (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468782. NIV-1095. United States. Collected 1976. North, 1.2km of store at north end of Lake Hodges, California. Collected by B. H. Beard. Annual. Wild. Seed.
468783. NIV-1101. United States. Collected 1972. Hwy 10, 3.2km

468782 TO 468792-continued

west of Ft. Hancock, Texas. Collected by B. H. Beard.  
Annual. Wild. Seed.

468784. NIV-1403. United States. Collected September 18, 1980.  
Hwy 51, 3.2km N bank, just across bridge, Truth or  
Consequences, New Mexico. Collected by G. Seiler and L.  
Cuk. Annual. Wild. Seed.
468785. NIV-1408. United States. Collected September 18, 1980.  
Interstate 10, 20.8km east of El Paso, Texas. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.
468786. NIV-1409. United States. Collected September 18, 1980.  
Interstate 10 exit 37, Horizon Blvd., 28.8km east of El  
Paso, Texas. Collected by G. Seiler and L. Cuk. Annual.  
Wild. Seed.
468787. NIV-1410. United States. Collected September 18, 1980.  
Interstate 10, 34.4km south of Las Cruces, New Mexico.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468788. NIV-1452. United States. Collected September 22, 1980.  
Hwy 99, 1.6km southeast of Livingston, California.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468789. NIV-1487. United States. Collected September 28, 1980.  
Hwy 89, 22.4km south of Page, Arizona. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.
468790. NIV-1496. United States. Collected September 29, 1980.  
Hwy 160, 6.4km east of Mexican Water, Arizona. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.
468791. NIV-1498. United States. Collected September 29, 1980.  
Hwy 163, 34.4km northeast of Kayenta, Arizona. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.
468792. NIV-1502. United States. Collected September 29, 1980.  
Hwy 163, 24km north of Bluff, Utah. Collected by G.  
Seiler and L. Cuk. Annual. Wild. Seed.

468793. *Helianthus niveus* subsp. *niveus* (Benth.) Brandeg. (Asteraceae).

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

NIV-891. Mexico. Collected November 18, 1977. On  
shoreline south of Ensenada. Collected by T. E. Thompson.  
Annual. Wild. Seed.

468794. *Helianthus niveus* subsp. *tephrodes* (A. Gray) Heiser  
(Asteraceae).

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

NIV-890. United States. Collected November 11, 1977.  
Interstate 8, south of rest stop, 27.2km west of Yuma,  
Arizona. Collected by T. E. Thompson. Annual. Wild. Seed.

468795 TO 468797. *Helianthus nuttallii* Torr. & Gray subsp. *nuttallii*  
(Asteraceae).

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

468795. NUT-1514. United States. Collected September 30, 1980.  
Hwy 82, 4.8km east of Carbondale, Colorado. Collected by  
G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468796. NUT-1517. United States. Collected October 01, 1980. Hwy  
285, 3.2km south of Nathrop, Colorado. Collected by G.  
Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468797. NUT-1521. United States. Collected October 01, 1980. Hwy  
285, 1.6km north of La Jar, Colorado. Collected by G.  
Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468798 TO 468799. *Helianthus occidentalis* subsp. *plantagineus* (Torr. &  
A. Gray) Heiser (Asteraceae).

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

468798. OCC-1146. United States. Collected September 10, 1979.  
Alternate 90, 1.6km west of Rice High School, Texas.  
Collected by C. E. Rogers. Perennial Herb. Wild. Seed.

468799. OCC-1147. United States. Collected September 10, 1979.  
Alternate 90, 40km east of Hallettsville, Texas.  
Collected by C. E. Rogers. Perennial Herb. Wild. Seed.

**468800 TO 468803. *Helianthus paradoxus* Heiser (Asteraceae).**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

- 468800. PAR-1084. United States. Collected January 14, 1980. Fort Stockton, Texas. Collected by T. E. Thompson. Annual. Wild. Seed.
- 468801. PAR-1671. United States. Collected November 06, 1980. Hwy 190, 4km northeast of Dexter, New Mexico. Collected by G. Seiler. Annual. Wild. Seed.
- 468802. PAR-1673. United States. Collected November 08, 1980. NW of Ft. Stockton, 9.6km N, 3.2km W, 1.6km N to Gonzales R., Leon Creek TX. Collected by G. Seiler. Annual. Wild. Seed.
- 468803. PAR-1674. United States. Collected November 08, 1980. Below Leon Lake Dam, 11.2km west of Fort Stockton, Texas. Collected by G. Seiler. Annual. Wild. Seed.

**468804 TO 468806. *Helianthus petiolaris* Nutt. (Asteraceae) Kansas sunflower.**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

- 468804. PET-1379. United States. Collected September 16, 1980. Hwy 18, 14km south of Clovis, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
- 468805. PET-1414. United States. Collected September 19, 1980. Hwy 180, 7.2km west of Silver City, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
- 468806. PET-1518. United States. Collected October 01, 1980. Hwy 285, 1.6km south of Poncha Springs, Colorado. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

**468807 TO 468822. *Helianthus petiolaris* subsp. *fallax* Heiser (Asteraceae).**

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

468807 TO 468822-continued  
Received November 1981.

468807. PET-1187. United States. Collected September 13, 1979. Hwy 70, 8km northeast of Roswell, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
468808. PET-1188. United States. Collected September 13, 1979. Hwy 70, 12.8km northeast of Roswell, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
468809. PET-1189. United States. Collected September 13, 1979. Hwy 70, White Lake Ranch entrance, 32km northeast of Roswell, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
468810. PET-1191. United States. Collected September 13, 1979. Hwy 70, 16km east of Elida, New Mexico. Collected by C. E. Rogers. Annual. Wild. Seed.
468811. PET-1383. United States. Collected September 16, 1980. Hwy 18, 10.4km south, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468812. PET-1384. United States. Collected September 16, 1980. Hwy 18, 8.8km south of Crossroads, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468813. PET-1419. United States. Collected September 18, 1980. Hwy 180, 8km northwest of Buckhorn, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468814. PET-1420. United States. Collected September 19, 1980. Jct of 78 and 180, 11.2km west, or 3.2km east of Mule Creek, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468815. PET-1478. United States. Collected September 28, 1980. Hwy 89, 8.8km north of Kanab, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468816. PET-1480. United States. Collected September 28, 1980. East, 9.6km of Kanab, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468817. PET-1482. United States. Collected September 28, 1980. Hwy 89, 57.1km east of Kanab, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468818. PET-1489. United States. Collected September 28, 1980. Hwy 264, 36.8km west of Hotevilla, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468819. PET-1494. United States. Collected September 29, 1980.

468807 TO 468822-continued

Hwy 160, 20.8km west of Teec Nos Poc, Arizona. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468820. PET-1499. United States. Collected September 29, 1980. Hwy 163, 20km northeast of Mexican Hat, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468821. PET-1504. United States. Collected September 30, 1980. Hwy 95, 6.4km south of hwy 163, 16.8km north of Blanding, Utah. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468822. PET-1524. United States. Collected October 01, 1980. Hwy 285, 38.4km south of Tres Piedras, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468823 TO 468844. *Helianthus petiolaris* subsp. *petiolaris* Nutt.  
(Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468823. PET-1196. United States. Collected September 27, 1979. Wellington Hwy 203, 0.8km east of Hedley, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.

468824. PET-1197. United States. Collected September 27, 1979. Hwy 203, 0.8km east of Quail, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.

468825. PET-1198. United States. Collected September 27, 1979. Intersection of hwy 203 & 83, 0.2m S of 203, 3.2km N of Wellington, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.

468826. PET-1199. United States. Collected September 27, 1979. Hwy 83, 3.2km south of Wellington, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.

468827. PET-1201. United States. Collected September 27, 1979. Hwy 83, near North Red River Bridge, North Childress, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.

468828. PET-1253. United States. Collected August 12, 1980. Hwy 349, 1.6km north of FM 2051, 11.2km south of Lasmasa, Texas. Collected by G. Seiler and C. Rogers. Annual. Wild. Seed.

468829. PET-1256. United States. Collected August 13, 1980. Hwy



468823 TO 468844-continued

- 349, 4.8km south of Patricia, Texas. Collected by G. Seiler and C. Rogers. Annual. Wild. Seed.
468830. PET-1263. United States. Collected September 03, 1980. East, 0.8km of Alan Reed, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468831. PET-1264. United States. Collected September 03, 1980. Interstate 40, 8km west of Alan Reed, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468832. PET-1265. United States. Collected September 03, 1980. Interstate 40E, 4.8km east of McLean, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468833. PET-1266. United States. Collected September 03, 1980. Interstate 40E, 4.8km west of Erick, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468834. PET-1267. United States. Collected September 03, 1980. Interstate 40E, 4.8km east of Erick, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468835. PET-1268. United States. Collected September 03, 1980. Interstate 40, 4km west of Sayre, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468836. PET-1276. United States. Collected September 03, 1980. Hwy 281, 5.1km south of Winton, Oklahoma. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468837. PET-1377. United States. Collected September 16, 1980. West, 18.4km, 1.6km north of Bovinia, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468838. PET-1382. United States. Collected September 16, 1980. South, 9.6km of Dora, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468839. PET-1398. United States. Collected September 17, 1980. Hwy 54, 32km north of Tularosa, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468840. PET-1400. United States. Collected September 17, 1980. Hwy 380, 62.4km west of Corrizozo, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468841. PET-1402. United States. Collected September 17, 1980. Hwy 1, 13.6km south of San Antonio, New Mexico. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468842. PET-1441. United States. Collected September 20, 1980. Hwy 74, west of Hemet city limit, California. Collected

468823 TO 468844-continued

by G. Seiler and L. Cuk. Annual. Wild. Seed.

468843. PET-1459. United States. Collected September 25, 1980.  
Hwy alternate 95, 1.6km north of Fernley, Nevada.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468844. PET-1527. United States. Collected October 09, 1980.  
Interstate 40, 8km west of Oklahoma City, Oklahoma.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468845. *Helianthus porteri* (A. Gray) Heiser (Asteraceae).

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

POR-903. United States. Collected May 19, 1978. Near  
Athens, Georgia. Collected by Gather Plumber. Annual.  
Wild. Seed.

468846. *Helianthus praecox* Engelm. & Gray (Asteraceae).

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

PRA-1316. United States. Collected September 07, 1980.  
Hwy 35, 9.6km north, 1.6km west on FM Rd. 1781, Texas.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468847 TO 468850. *Helianthus praecox* subsp. *hirtus* (Heiser) Heiser  
(Asteraceae).

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

468847. PRA-1168. United States. Collected September 12, 1979.  
Hwy 44, 11.2km west of Encinal, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.

468848. PRA-1340. United States. Collected September 08, 1980.  
Hwy 83, 1.6km south of Carrizo Springs, Texas. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.

468847 TO 468850-continued

468849. PRA-1341. United States. Collected September 08, 1980.  
Hwy 2644, 4.8km west of Carrizo Springs, Texas. Collected  
by G. Seiler and L. Cuk. Annual. Wild. Seed.

468850. PRA-1342. United States. Collected September 08, 1980.  
Hwy 2644, 17.6km west of Carrizo Springs, Texas.  
Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468851. *Helianthus praecox* Engelm. & Gray subsp. *praecox* (Asteraceae).

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

PRA-1142. United States. Collected September 10, 1979.  
Hwy 146, 4.8km south of La Porte, Texas. Collected by C.  
E. Rogers. Annual. Wild. Seed.

468852 TO 468867. *Helianthus praecox* subsp. *runyonii* (Heiser) Heiser  
(Asteraceae).

From United States. Conservation and Production Research  
Laboratory, ARS, USDA, Bushland, Texas. Code numbers  
refer to collection numbers with abbreviated species  
prefixes.

Received November 1981.

468852. PRA-1145. United States. Collected September 10, 1979.  
Alternate 90, 3.2km west of Eagle Lake, Texas. Collected  
by C. E. Rogers. Annual. Wild. Seed.

468853. PRA-1148. United States. Collected September 10, 1979.  
Alternate 90, Sublime, Texas. Collected by C. E. Rogers.  
Annual. Wild. Seed.

468854. PRA-1151. United States. Collected September 10, 1979.  
Hwy 77, 6.4km south of Victoria, Texas. Collected by C. E.  
Rogers. Annual. Wild. Seed.

468855. PRA-1154. United States. Collected September 11, 1979.  
Hwy 77, 14.4km north of Robstown, Texas. Collected by C.  
E. Rogers. Annual. Wild. Seed.

468856. PRA-1157. United States. Collected September 11, 1979.  
Hwy 77, Riviera, Texas. Collected by C. E. Rogers. Annual.  
Wild. Seed.

468857. PRA-1158. United States. Collected September 11, 1979.

468852 TO 468867-continued

- Hwy 77, 4.8km south of Mifflin, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468858. PRA-1170. United States. Collected September 12, 1979. Hwy 2644, 3.2km east of Carrizo Springs, Texas. Collected by C. E. Rogers. Annual. Wild. Seed.
468859. PRA-1295. United States. Collected September 06, 1980. Hwy 146, City Limits sign, Shore Acres, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468860. PRA-1325. United States. Collected September 07, 1980. Hwy 77, 19.2km south of Kingsville, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468861. PRA-1327. United States. Collected September 07, 1980. FM 771, 6.4km east of Riviera Beach, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468862. PRA-1328. United States. Collected September 07, 1980. FM 771, 9.6km east of Riviera Beach, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468863. PRA-1329. United States. Collected September 07, 1980. Hwy 285, 16km east of Riviera, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468864. PRA-1330. United States. Collected September 07, 1980. Hwy 285, 5.6km west of Falfurrias, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468865. PRA-1333. United States. Collected September 07, 1980. Hwy 285, 28.8km east of Hebbronville, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468866. PRA-1334. United States. Collected September 08, 1980. Hwy 16, 3.2km north of Hebbronville, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.
468867. PRA-1335. United States. Collected September 08, 1980. Hwy 259, 0.8km west of Bruni, Texas. Collected by G. Seiler and L. Cuk. Annual. Wild. Seed.

468868 TO 468877. *Helianthus radula* (Pursh) Torr. & Gray (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468868. RAD-1239. United States. Collected November 08, 1979. US

468868 TO 468877-continued

- 17, 3.2km S of FL 40 at Barberville, 0.8km N of Deer Creek, Florida. Collected by K. D. Perkins and B. Feach. Perennial Herb. Wild. Seed.
468869. RAD-1242. United States. Collected December 17, 1979. Hwy FL 26, 0.8km east of entrance of Morningside Park, East Gainesville, FL. Collected by K. D. Perkins. Perennial Herb. Wild. Seed.
468870. RAD-1552. United States. Collected October 12, 1980. Hwy 90, 20.8km west of Waveland, White's Bayou, Mississippi. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468871. RAD-1554. United States. Collected October 12, 1980. Hwy 63, 25.6km north of Kiln, Mississippi. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468872. RAD-1557. United States. Collected October 12, 1980. Hwy 225, 14.4km north of Spanish Forks, Alabama. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468873. RAD-1558. United States. Collected October 13, 1980. Hwy 87, 1.6km north of Navarre, Florida. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468874. RAD-1560. United States. Collected October 13, 1980. Hwy 20, 4.8km west of Bruce, Florida. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468875. RAD-1563. United States. Collected October 13, 1980. Hwy 71, 24km north of White City, Florida. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468876. RAD-1580. United States. Collected October 16, 1980. Hwys 1 and 23, 8km south of Waycross, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468877. RAD-1582. United States. Collected October 16, 1980. Hwy 441, 8.8km north of Douglas, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468878 TO 468880. *Helianthus resinosus* Small (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468878. RES-1213. Collected September 25, 1979. Northeast, 11.2km of Chattahoochee, Florida. Collected by K. D.

468878 TO 468880-continued

Perkins, A. Gholson, A. Lukyanenko, R. Leffel, and N. Bochkarev. Perennial Herb. Wild. Seed.

468879. RES-1545. United States. Collected October 11, 1980. Hwy 35, 6.4km north of Raleigh, Mississippi. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468880. RES-1678. United States. Collected September 07, 1980. Hwys US 15 and 501, 11.2-16km north of Pittsboro, North Carolina. Collected by J. Gershenzon. Perennial Herb. Wild. Seed.

468881 TO 468882. *Helianthus rigidus* subsp. *rigidus* (Cass.) Desf. (Asteraceae) Stiff sunflower.

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468881. RIG-1195. United States. Collected September 16, 1979. On Rossville Road, 4.8km west of hwy 177, north of McCloud, Oklahoma. Collected by C. E. Rogers. Perennial Herb. Wild. Seed.

468882. RIG-1306. United States. Collected September 06, 1980. Hwy 60, 1.6km north of Palacios, Texas. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468883 TO 468885. *Helianthus rigidus* subsp. *subrhomboideus* (Rydb.) Heiser (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468883. RIG-1045. United States. Collected September 06, 1979. Sixteen kilometers south of Leonard, North Dakota. Collected by J. Miller. Perennial Herb. Wild. Seed.

468884. RIG-1046. United States. Collected September 06, 1979. Moa, Minnesota. Collected by J. Miller. Perennial Herb. Wild. Seed.

468885. RIG-1048. United States. Collected September 06, 1979. Alice, North Dakota. Collected by J. Miller. Perennial Herb. Wild. Seed.

468886. *Helianthus silphioides* Nutt. (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

SIL-1539. United States. Collected October 10, 1980. Hwy 270, 6.4km west of Rich Mountain, Arkansas. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468887. *Helianthus simulans* E. E. Watson (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

SIM-1581. United States. Collected October 16, 1980. Hwy 82, 1.6km west of Waycross, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468888 TO 468890. *Helianthus smithii* Heiser (Asteraceae).

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.

Received November 1981.

468888. SMI-1600. United States. Collected October 18, 1980. Hwys 2 and 76, 4.8km west of Long Creek, South Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468889. SMI-1603. United States. Collected October 19, 1980. Morgantown, North Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468890. SMI-1607. United States. Collected October 19, 1980. Hwy 321, 17.6km north of Gastonia, South Carolina. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468891 TO 468894. *Helianthus strumosus* L. (Asteraceae) Woodland sunflower.

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species

468891 TO 468894--continued  
prefixes.  
Received November 1981.

468891. STR-1587. United States. Collected October 17, 1980. Hwy 19, 6.4km south of Griffin, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468892. STR-1601. United States. Collected October 18, 1980. Hwy 23, 4.8km north of Clayton, Georgia. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468893. STR-1622. United States. Collected October 23, 1980. Hwy 57, 9.6km north of Newberry, Indiana. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468894. STR-1623. United States. Collected October 23, 1980. Hwy 57, 6.4km north of Newberry, Indiana. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468895 TO 468897. *Helianthus tuberosus* L. (Asteraceae) Jerusalem artichoke.

From United States. Conservation and Production Research Laboratory, ARS, USDA, Bushland, Texas. Code numbers refer to collection numbers with abbreviated species prefixes.  
Received November 1981.

468895. TUB-1054. United States. Collected September 06, 1979. Moorhead, Minnesota. Collected by J. Miller. Perennial Herb. Wild. Seed.
468896. TUB-1625. United States. Collected October 24, 1980. Hwy 13, 9.6km north of Erin, Tennessee. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.
468897. TUB-1628. United States. Collected October 24, 1980. Hwy 64, 6.4km east of Savannah, Tennessee. Collected by G. Seiler and L. Cuk. Perennial Herb. Wild. Seed.

468898 TO 468902. *Lens culinaris* Medik. (Fabaceae) Lentil.

From Brazil. W. Manara, Departamento de Fitotecnia, Universidade Federal de Santa Maria, 97.100 - Santa Maria, RS.  
Received May 1982.

468898. DF 4.69. Brazil. Maturity 140-160 days. Susceptible to *Colletotrichum*, *Ascochyta* and rust. Cultivated. Breeding Material. Seed.
468899. DF 5.69. Brazil. Maturity 140-160 days. Susceptible to



468898 TO 468902-continued

Colletotrichum, Ascochyta and rust. Cultivated. Breeding Material. Seed.

468900. DF 6.69. Brazil. Maturity 140-160 days. Susceptible to Colletotrichum, Ascochyta and rust. Cultivated. Breeding Material. Seed.

468901. DF 7.69. Brazil. Maturity 140-160 days. Susceptible to Colletotrichum, Ascochyta and rust. Cultivated. Breeding Material. Seed.

468902. Populacao ibiruba. Brazil. Ibiruba County. Heterogeneous. Primitive Cultivar. Seed.

468903. Glycine max (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Gongzhuling Germplasm Nursery, Jilin Academy of Agricultural Sciences, Gongzhuling, Jilin Province. Received through 1981 U.S. Germplasm and Biocontrol Team.  
Received April 1982.

China, Peoples Repub of. Cultivated. Seed.

468904 TO 468913. Glycine soja Sieb. & Zucc. (Fabaceae) Wild soybean.

From China, Peoples Repub of. Gongzhuling Germplasm Nursery, Jilin Academy of Agricultural Sciences, Gongzhuling, Jilin Province. Received through 1981 U.S. Germplasm and Biocontrol Team.  
Received April 1982.

468904. China, Peoples Repub of. Wild. Seed.

468905. China, Peoples Repub of. Wild. Seed.

468906. China, Peoples Repub of. Wild. Seed.

468907. China, Peoples Repub of. Wild. Seed.

468908. China, Peoples Repub of. Wild. Seed.

468909. China, Peoples Repub of. Wild. Seed.

468910. China, Peoples Repub of. Wild. Seed.

468911. China, Peoples Repub of. Wild. Seed.

468912. China, Peoples Repub of. Wild. Seed.

468913. China, Peoples Repub of. Wild. Seed.

468914 TO 468915. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Shenyang Agricultural College, Shenyang, Liaoning Province. Received through R.G. Palmer, Dept. of Botany & Plant Pathology, Iowa State Univ.

Received April 1982.

468914. China, Peoples Repub of. Cultivated. Seed.

468915. China, Peoples Repub of. Cultivated. Seed.

468916 TO 468919. *Glycine soja* Sieb. & Zucc. (Fabaceae) Wild soybean.

From China, Peoples Repub of. Shenyang Agricultural College, Shenyang, Liaoning Province. Received through R.G. Palmer, Dept. of Botany & Plant Pathology, Iowa State Univ.

Received April 1982.

468916. China, Peoples Repub of. Wild. Seed.

468917. China, Peoples Repub of. Wild. Seed.

468918. China, Peoples Repub of. Wild. Seed.

468919. China, Peoples Repub of. Wild. Seed.

468920 TO 468921. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Jinan Germplasm Nursery, Shandong Agricultural Academy, Jinan, Shandong Province. Received through 1981 U.S. Germplasm and Biocontrol Team.

Received April 1982.

468920. China, Peoples Repub of. Cultivated. Seed.

468921. China, Peoples Repub of. Cultivated. Seed.

468922. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Tieling District Agricultural Research Institute, Tieling, Liaoning Province. Received through 1981 U.S. Germplasm and Biocontrol Team.

Received April 1982.

China, Peoples Repub of. Cultivated. Seed.

468923. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. R. G. Palmer/1981 Germplasm and

468923-continued

Biocontrol Team, Department of Botany & Plant Pathology,  
Iowa State University, Ames, Iowa.

Received April 1982.

China, Peoples Repub of. Field near Ming Tomb, Beijing.  
Cultivated. Seed.

468924 TO 468926. *Lathyrus sylvestris* L. (Fabaceae) Flat pea.

From United States. National Plant Materials Center, Soil  
Conservation Service, USDA, Beltsville, Maryland.

Received May 1982.

468924. T 2008. United States. Received from Soil Conservation  
Nursery, Ames, Iowa in 1950. Perennial Herb. Cultivated.  
Seed.

468925. T 11264. United States. Collected October 1958. Kalkaska  
County, Michigan. Collected by D. Carroll, Plant  
Materials Specialist, Soil Conservation Service, East  
Lansing, Michigan. Perennial Herb. Wild. Seed.

468926. T 30473. France. Superieure, Rennes. Ecole Nationale.  
Perennial Herb. Cultivated. Seed.

468927 TO 468949. *Cicer arietinum* L. (Fabaceae) Chickpea.

From Mexico. F. Cardenas Ramos, National Coordinator of Genetic  
Resources, Instituto Nacional de Investigaciones  
Agricolas, Mexico 1, D.F.

Received December 1981.

468927. CM 2. Blanco espanol. Mexico. Cultivated. Seed.

468928. CM 3. Criollita. Mexico. Cultivated. Seed.

468929. CM 4. Macarena. Mexico. Cultivated. Seed.

468930. CM 5. Bremizado. Mexico. Cultivated. Seed.

468931. CM 6. Breve Blanco. Mexico. Cultivated. Seed.

468932. CM 7. Sataya. Mexico. Cultivated. Seed.

468933. CM 8. Breve Inmunizado. Mexico. Cultivated. Seed.

468934. CM 9. Caimanero. Mexico. Cultivated. Seed.

468935. CM 69. Mexico. Cultivated. Seed.

468936. CM 77. Mexico. P-85R-2Y(SM). Cultivated. Seed.

468927 TO 468949-continued

- 468937. CM 84. Mexico. P-1R-1Y(SM). Cultivated. Seed.
- 468938. CM 170. Mexico. P-1CP-73. Cultivated. Seed.
- 468939. CM 171. Mexico. P-1CP-74. Cultivated. Seed.
- 468940. CM 184. Mexico. P-1CP-122. Cultivated. Seed.
- 468941. CM 187. Mexico. P-1CP-125. Cultivated. Seed.
- 468942. CM 190. Mexico. P-1CP-67. Cultivated. Seed.
- 468943. CM 191. Mexico. P-1BP-68. Cultivated. Seed.
- 468944. CM 193. Mexico. P-1BP-70. Cultivated. Seed.
- 468945. CM 201. Mexico. A-12Y-1Y. Cultivated. Seed.
- 468946. CM 205. Mexico. A-15Y-1Y. Cultivated. Seed.
- 468947. CM 207. Mexico. Reg 101 RAP/38-2Y. Cultivated. Seed.
- 468948. Surutato. Mexico. Cultivated. Seed.
- 468949. Sonora 80. Mexico. Cultivated. Seed.

468950 TO 468955. *Arachis hypogaea* L. (Fabaceae) Peanut.

From China, Peoples Repub of. Kung-shun Lin, South China  
Agricultural College, Guangzhou, Guangdong Province.  
Received May 1982.

- 468950. Guangdong Struggle 29. China, Peoples Repub of.  
Cultivated. Seed.
- 468951. Guangdong Sel. 58. China, Peoples Repub of. Cultivated.  
Seed.
- 468952. Guangdong 187. China, Peoples Repub of. Oil type.  
Cultivated. Seed.
- 468953. Guangdong 551. China, Peoples Repub of. Oil type.  
Cultivated. Seed.
- 468954. Guangdong 551-116. China, Peoples Repub of. Oil type.  
Cultivated. Seed.
- 468955. White Sand 7. China, Peoples Repub of. Cultivated. Seed.

468956. *Crotalaria juncea* L. (Fabaceae) Sunn hemp.

From United States. Soil Conservation Service, USDA, and Hawaii Institute of Tropical Agriculture, University of Hawaii, Washington, D.C. and Honolulu, Hawaii.  
Received April 1982.

'Tropic Sun'. United States. From a farmer on Kauai (1958). Previous designations P-15576 and HA-6. Plants erect to 2m in 90 days, vigorous, adapted year round in Hawaii on well-drained soils, nontoxic. Hard seeds none. Resistant to root knot nematodes. Used for soil improvement as green manure and to reduce nematodes. Annual. Cultivar. Seed.

468957 TO 468958. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Senegal. O. de Pins, Senegal Institute of Agriculture Research, CNRA, Bambey.  
Received May 1982.

468957. 57-313. Senegal. Virginia oil type. Maturity 120 days. Cultivated. Seed.

468958. 756A. Senegal. Virginia edible type. Maturity 120 days. Cultivated. Breeding Material. Seed.

468959 TO 468963. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. D. W. Sunderman, ARS-USDA & Idaho Agricultural Experiment Station, University of Idaho, Research & Extension Center, Aberdeen, Idaho.  
Received August 1982.

468959. ID0190. United States. See narrative for pedigree. ID0046/7/ID0045/6/2\*A6596S-A-21-1/5/2\*A6535S-443-107/4/ID0021/3/Thew/Fr//A63166S-A-2-8. Soft white spring type. Resistant to Hessian fly. Resistant to powdery mildew races in Pacific Northwest. Highly resistant to stripe rust. Breeding Material. Seed.

468960. ID0232. United States. ID0118/Oasis/3/5\*Twin/ID0021//PI 227196/A63166S-A-2-8. Soft white spring type. Resistant to Hessian fly. Resistant to powdery mildew races in Pacific Northwest. Highly resistant to stripe rust and leaf rust races in Pacific Northwest. Breeding Material. Seed.

468961. ID0236. United States. Flr/5/Bb II/4/7\*Sfl/3/As/Fr//A63167S-A-1-50-45-5. Soft white spring type. Resistant to Hessian fly. Resistant to powdery mildew races in Pacific Northwest. Limited infections with type 3

468959 TO 468963-continued

reaction to stripe rust. Breeding Material. Seed.

468962. ID0248. United States. Bb II/4/7\*Sfl/3/As/Pr//A63167S-A-1-50-45-5/5/ID0016//Pj sib/GB 55. Soft white spring type. Resistant to Hessian fly. Resistant to powdery mildew races in Pacific Northwest. Highly resistant to stripe rust. Breeding Material. Seed.

468963. ID0254. United States. See narrative for pedigree. ID0046/6/A6535S-443-101/3/ID0020//PI 227196/A63166S-A-2-8/4/Gns/Lmh 53/5/ID0046/7/Fieldwin. Soft white spring type. Resistant to Hessian fly. Resistant to powdery mildew races in Pacific Northwest. Limited infections with type 2 reaction to stripe rust. Breeding Material. Seed.

468964 TO 468973. Glycine max (L.) Merr. (Fabaceae) Soybean.

From Vietnam, Socialist Rep of. Soybean Research Center,  
University of Cantho, Hau Giang.

Received April 1982.

468964. Coc chum. Vietnam, Socialist Rep of. North Vietnam. Cultivated. Seed.

468965. Con khuong. Vietnam, Socialist Rep of. South Vietnam. Hybrid. Cultivated. Seed.

468966. DH 4. China, Peoples Repub of. Cultivated. Seed.

468967. 86. Vietnam, Socialist Rep of. North Vietnam. Cultivated. Seed.

468968. MTD 6. Vietnam, Socialist Rep of. Pure line. Cultivated. Seed.

468969. MTD 10. Vietnam, Socialist Rep of. Hybrid. Cultivated. Seed.

468970. MTD 22. Vietnam, Socialist Rep of. Hybrid. Flowers purple. Cultivated. Seed.

468971. MTD 22. Vietnam, Socialist Rep of. Hybrid. Flowers white. Cultivated. Seed.

468972. MTD 63. Vietnam, Socialist Rep of. Hybrid. Cultivated. Seed.

468973. MTD 65. Vietnam, Socialist Rep of. Hybrid. Cultivated. Seed.

468974. *Zea mays* L. subsp. *parviglumis* Iltis & Doebley (Poaceae).

From Mexico. H.H. Iltis and M. Nee, Dept. of Botany, Univ. of Wisconsin and Field Museum of Natural History, Madison, WI and Chicago, IL.  
Received May 1982.

1480. Mexico. Hilltop, 17km WNW of Purificacion, Jalisco. 500M. Lat. 19 deg. 45' N, Long. 104 deg. 46' W. Wild. Seed.

468975. *Zea mays* subsp. *mexicana* (Schrad.) Iltis (Poaceae) Teosinte.

From Mexico. M. L. V. Puga, Instituto de Botanica, University of Guadalajara, Zapotan, Jalisco.  
Received May 1982.

11066. Mexico. Municipio de Degollado. 1600-1650M. Lat. 102 deg. 11' W, Long. 20 deg. 22' N. Wild. Seed.

468976. *Ananas comosus* (L.) Merr. (Bromeliaceae) Pineapple.

From Malaysia. Perennial Crops Division, MARDI, Perjabat Pos Universiti Pertanian, Serdang, Selangor.  
Received June 1982.

Masmerah. Malaysia. Subtropical Hort. Res. Unit, USDA, Miami, Florida. M-26410. Selected from the Singapore Spanish population. Similar to Red Spanish type without spines. Used for commercial canning. Cultivar. Cuttings.

468977. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. North American Plant Breeders, Mission, Kansas.  
Received June 1982.

Hunter. United States. Coker's Pedigreed Co. Coker 79-14. Coker 68-15/4/Potomac/3/Coker 61-19\* 3/Purdue dwarf/2/Blueboy. Plants semi-dwarf, semi-decumbent, green with a waxy bloom, bluish when headed. Maturity early. Straw strong. Spikes white to yellow, awnletted and middense. Seeds ovate with rounded cheeks, narrow but shallow crease, red. Embryo large. Resistant to leaf rust, stem rust, powdery mildew, soil borne mosaic virus, wheat spindle streak mosaic virus. Moderately resistant to septoria. Susceptible to Hessian Fly. Very good milling and good baking quality. Cultivar. Seed.

468978 TO 469094. *Triticum aestivum* L. (Poaceae) Common wheat.

From Italy. Istituto del Germoplasma, Consiglio Nazionale delle Ricerche, 70126 Bari.

Received May 1982.

- 468978. MG 27026. Greece. Cultivated. Seed.
- 468979. MG 27027. Greece. Cultivated. Seed.
- 468980. MG 27028. Greece. Cultivated. Seed.
- 468981. MG 27029. Greece. Cultivated. Seed.
- 468982. MG 27031. Greece. Cultivated. Seed.
- 468983. MG 27033. Greece. Cultivated. Seed.
- 468984. MG 27036. Greece. Cultivated. Seed.
- 468985. MG 27037. Greece. Cultivated. Seed.
- 468986. MG 27038. Greece. Cultivated. Seed.
- 468987. MG 27040. Greece. Cultivated. Seed.
- 468988. MG 27041. Greece. Cultivated. Seed.
- 468989. MG 27042. Greece. Cultivated. Seed.
- 468990. MG 27043. Greece. Cultivated. Seed.
- 468991. MG 27044. Greece. Cultivated. Seed.
- 468992. MG 27045. Greece. Cultivated. Seed.
- 468993. MG 27046. Greece. Cultivated. Seed.
- 468994. MG 27047. Greece. Cultivated. Seed.
- 468995. MG 27048. Greece. Cultivated. Seed.
- 468996. MG 27049. Greece. Cultivated. Seed.
- 468997. MG 27050. Greece. Cultivated. Seed.
- 468998. MG 27052. Greece. Cultivated. Seed.
- 468999. MG 27053. Greece. Cultivated. Seed.
- 469000. MG 27054. Greece. Cultivated. Seed.
- 469001. MG 27055. Greece. Cultivated. Seed.



468978 TO 469094-continued

469002. MG 27056. Greece. Cultivated. Seed.  
469003. MG 27057. Greece. Cultivated. Seed.  
469004. MG 27060. Greece. Cultivated. Seed.  
469005. MG 27061. Greece. Cultivated. Seed.  
469006. MG 27062. Greece. Cultivated. Seed.  
469007. MG 27063. Greece. Cultivated. Seed.  
469008. MG 27064. Greece. Cultivated. Seed.  
469009. MG 27065. Greece. Cultivated. Seed.  
469010. MG 27066. Greece. Cultivated. Seed.  
469011. MG 27067. Greece. Cultivated. Seed.  
469012. MG 27068. Greece. Cultivated. Seed.  
469013. MG 27069. Greece. Cultivated. Seed.  
469014. MG 27070. Greece. Cultivated. Seed.  
469015. MG 27071. Greece. Cultivated. Seed.  
469016. MG 27072. Greece. Cultivated. Seed.  
469017. MG 27073. Greece. Cultivated. Seed.  
469018. MG 27074. Greece. Cultivated. Seed.  
469019. MG 27172. Spain. Cultivated. Seed.  
469020. MG 27174. Spain. Cultivated. Seed.  
469021. MG 27177. Spain. Cultivated. Seed.  
469022. MG 27179. Spain. Cultivated. Seed.  
469023. MG 27180. Spain. Cultivated. Seed.  
469024. MG 27181. Spain. Cultivated. Seed.  
469025. MG 27182. Spain. Cultivated. Seed.  
469026. MG 27183. Spain. Cultivated. Seed.  
469027. MG 27184. Spain. Cultivated. Seed.

468978 TO 469094-continued

469028. MG 27185. Spain. Cultivated. Seed.  
469029. MG 27186. Spain. Cultivated. Seed.  
469030. MG 27190. Spain. Cultivated. Seed.  
469031. MG 27191. Spain. Cultivated. Seed.  
469032. MG 27192. Spain. Cultivated. Seed.  
469033. MG 27193. Spain. Cultivated. Seed.  
469034. MG 27194. Spain. Cultivated. Seed.  
469035. MG 27195. Spain. Cultivated. Seed.  
469036. MG 27196. Spain. Cultivated. Seed.  
469037. MG 27197. Spain. Cultivated. Seed.  
469038. MG 27198. Spain. Cultivated. Seed.  
469039. MG 27199. Spain. Cultivated. Seed.  
469040. MG 27200. Spain. Cultivated. Seed.  
469041. MG 27201. Spain. Cultivated. Seed.  
469042. MG 27203. Spain. Cultivated. Seed.  
469043. MG 27204. Spain. Cultivated. Seed.  
469044. MG 27206. Spain. Cultivated. Seed.  
469045. MG 27207. Spain. Cultivated. Seed.  
469046. MG 27208. Spain. Cultivated. Seed.  
469047. MG 27209. Spain. Cultivated. Seed.  
469048. MG 27210. Spain. Cultivated. Seed.  
469049. MG 27212. Spain. Cultivated. Seed.  
469050. MG 27214. Spain. Cultivated. Seed.  
469051. MG 27215. Spain. Cultivated. Seed.  
469052. MG 27216. Spain. Cultivated. Seed.  
469053. MG 27217. Spain. Cultivated. Seed.

468978 TO 469094-continued

469054. MG 27218. Spain. Cultivated. Seed.  
469055. MG 27219. Spain. Cultivated. Seed.  
469056. MG 27220. Spain. Cultivated. Seed.  
469057. MG 27221. Spain. Cultivated. Seed.  
469058. MG 27222. Spain. Cultivated. Seed.  
469059. MG 27223. Spain. Cultivated. Seed.  
469060. MG 27225. Spain. Cultivated. Seed.  
469061. MG 27231. Spain. Cultivated. Seed.  
469062. MG 27948. Greece. Cultivated. Seed.  
469063. MG 27949. Greece. Cultivated. Seed.  
469064. MG 27950. Greece. Cultivated. Seed.  
469065. MG 27951. Greece. Cultivated. Seed.  
469066. MG 27952. Greece. Cultivated. Seed.  
469067. MG 27953. Greece. Cultivated. Seed.  
469068. MG 27954. Greece. Cultivated. Seed.  
469069. MG 27955. Greece. Cultivated. Seed.  
469070. MG 27957. Greece. Cultivated. Seed.  
469071. MG 27958. Greece. Cultivated. Seed.  
469072. MG 27959. Greece. Cultivated. Seed.  
469073. MG 27960. Greece. Cultivated. Seed.  
469074. MG 27961. Greece. Cultivated. Seed.  
469075. MG 27962. Greece. Cultivated. Seed.  
469076. MG 27963. Greece. Cultivated. Seed.  
469077. MG 27964. Greece. Cultivated. Seed.  
469078. MG 27965. Greece. Cultivated. Seed.  
469079. MG 27966. Greece. Cultivated. Seed.

468978 TO 469094-continued

- 469080. MG 27967. Greece. Cultivated. Seed.
- 469081. MG 27969. Greece. Cultivated. Seed.
- 469082. MG 27970. Greece. Cultivated. Seed.
- 469083. MG 27971. Greece. Cultivated. Seed.
- 469084. MG 27972. Greece. Cultivated. Seed.
- 469085. MG 27973. Greece. Cultivated. Seed.
- 469086. MG 27974. Greece. Cultivated. Seed.
- 469087. MG 27975. Greece. Cultivated. Seed.
- 469088. MG 27976. Greece. Cultivated. Seed.
- 469089. MG 27977. Greece. Cultivated. Seed.
- 469090. MG 27978. Greece. Cultivated. Seed.
- 469091. MG 27979. Greece. Cultivated. Seed.
- 469092. MG 27980. Greece. Cultivated. Seed.
- 469093. MG 27981. Greece. Cultivated. Seed.
- 469094. MG 27982. Greece. Cultivated. Seed.

469095 TO 469096. *Lupinus albus* L. (Fabaceae) White lupine.

From Australia. Division of Plant Industry, CSIRO, Canberra,  
A.C.T. 2601.

Received April 1982.

469095. A 4. Hamburg. Australia. Cultivated. Seed.

469096. A 5. Ultra. Australia. Cultivated. Seed.

469097. *Lupinus angustifolius* L. (Fabaceae) European blue lupine.

From Australia. Division of Plant Industry, CSIRO, Canberra,  
A.C.T. 2601.

Received April 1982.

A 6. Illyarrie. Australia. Western Australia. Cultivated.  
Seed.

469098. *Medicago scutellata* (L.) Mill. (Fabaceae) Snail medic.

From Australia. Division of Plant Industry, CSIRO, Canberra,  
A.C.T. 2601.

Received April 1982.

A 12. Robinson. Australia. Cultivated. Seed.

469099 TO 469102. *Medicago truncatula* Gaertn. (Fabaceae) Barrelclover.

From Australia. Division of Plant Industry, CSIRO, Canberra,  
A.C.T. 2601.

Received April 1982.

469099. N 990. Akbar. Australia. New South Wales. Cultivated.  
Seed.

469100. W 1125. Cyfield. Australia. Western Australia.  
Cultivated. Seed.

469101. W 1841. Ghor. Australia. Western Australia. Cultivated.  
Seed.

469102. S 323. Hannaford. Australia. South Australia. Cultivated.  
Seed.

469103. *Trifolium hirtum* All. (Fabaceae) Rose clover.

From Australia. Division of Plant Industry, CSIRO, Canberra,  
A.C.T. 2601.

Received April 1982.

W 1131. Clympus. Australia. Western Australia.  
Cultivated. Seed.

469104 TO 469106. *Avena sativa* L. (Poaceae) Common oat.

From United States. Pennsylvania Agricultural Expt. Station &  
USDA, ARS, Dept. of Agronomy, Pennsylvania State Univ.,  
University Park, PA.

Received June 1982.

469104. PA 7429-116. 'Pennline 116'. United States. James/CI  
8447. Semi-dwarf, strong-strawed type. Clums large, very  
short. Panicle short, narrow. Rachis short. Lemma short,  
yellow, glabrous. Seeds plump, but not completely filled.  
Resistant to lodging. Annual. Breeding Material. Seed.

469105. PA 7836-6571. 'Pennline 6571'. United States. Astro/  
Noble. Semi-dwarf, strong-strawed type. Maturity early.  
Leaves sparsely ciliate near base, liguled. Clums

469104 TO 469106-continued

mid-sized, short, glabrous. Panicle equilateral, midbroad. Rachis flexuous. Lemma short, yellow, glabrous. Glumes glabrous. Seeds plump. Resistance to lodging excellent. Bushel weight good. Yield good. Annual. Breeding Material. Seed.

469106. PA 7836-9925. 'Pennlo'. United States. Egdolon 26/Otee. Semi-dwarf, strong-strawed type. Maturity early. Leaves sparsely ciliate near base, liguled. Culms mid-sized, short, glabrous. Panicle equilateral, midbroad. Rachis straight or slightly flexuous, with many hairs. Lemma short, yellow, glabrous. Glumes glabrous. Seeds midplump. Awns common on basal foret. Resistance to lodging excellent. Annual. Breeding Material. Seed.

469107. *Hordeum vulgare* L. (Poaceae) Barley.

From United States. Department of Agronomy & Soils, Washington State University, Pullman, WA.  
Received June 1982.

9691-75. 'Andre'. Klages x Zephyr. Two row malting, feed type. Grows well in dry soil in eastern Washington, northern Idaho and potentially eastern Oregon. Awns long, rough. Glumes with medium hairs. Rachilla hairs short. Seeds plump. Aleurone white. Resistant to Barley Yellow Dwarf virus. Annual. Cultivar. Seed.

469108 TO 469110. *Avena sativa* L. (Poaceae) Common oat.

From United States. Department of Agronomy, Iowa State University, Ames, Iowa.  
Received June 1982.

469108. B525-73. Selection from a mutagenized bulk population. Contains high groat protein percentage. Cultivated. Breeding Material. Seed.

469109. B525-336. Selection from a mutagenized bulk population. Contains high groat protein percentage. Cultivated. Breeding Material. Seed.

469110. B525-593. Selection from a mutagenized bulk population. Contains high groat protein percentage. Cultivated. Breeding Material. Seed.

469111 TO 469113. *Avena* hybrid (Poaceae).

From United States. Department of Agronomy, Iowa State University, Ames, Iowa.

469111 TO 469113-continued  
Received June 1982.

- 469111. Y20-3-8. Garland (*A. sativa*)/PI 292555(*A. sterilis*)/  
/Holden(*A. sativa*). Contains high groat protein  
percentage. Cultivated. Breeding Material. Seed.
- 469112. Y22-15-9. Garland (*A. sativa*)/B433(*A. sterilis*)/  
/Holden(*A. sativa*). Contains high groat protein  
percentage. Cultivated. Breeding Material. Seed.
- 469113. Y201-150-8-19. Grundy(*A. sativa*)//Clintford(*A. sativa*)/  
66AB335(*A. sterilis*). Contains high groat protein  
percentage. Cultivated. Breeding Material. Seed.

469114 TO 469210. *Vicia faba* L. (Fabaceae) Broadbean.

From Iran. Regional Pulse Improvement Project, Tehran.  
Received May 1982.

- 469114. 3. Palombino. Italy. FAO, Rome, Italy. 13.650.  
Cultivated. Seed.
- 469115. 5. Kiuver mammoth long pod. United Kingdom. FAO, Rome,  
Italy. 13.726. Cultivated. Seed.
- 469116. 6. Gigantic green long pod. United Kingdom. FAO, Rome,  
Italy. 13.727. Cultivated. Seed.
- 469117. 7. Selected long pod. United Kingdom. FAO, Rome, Italy.  
13.728. Cultivated. Seed.
- 469118. 8. Express long pod. United Kingdom. FAO, Rome, Italy.  
13.729. Cultivated. Seed.
- 469119. 9. Acquisition long pod. United Kingdom. FAO, Rome,  
Italy. 13.730. Cultivated. Seed.
- 469120. 11. Giant white windsor. United Kingdom. FAO, Rome,  
Italy. 13.732. Cultivated. Seed.
- 469121. 15. Di Siviglia. Italy. FAO, Rome, Italy. 13.789.  
Cultivated. Seed.
- 469122. 16. Di Aquadulce. Italy. FAO, Rome, Italy. 13.790.  
Cultivated. Seed.
- 469123. 17. Quarantina di paceco. Italy. FAO, Rome, Italy.  
13.791. Cultivated. Seed.
- 469124. 19. Tempranas de machamiel. Spain. FAO, Rome, Italy.  
13.793. Cultivated. Seed.

469114 TO 469210-continued

469125. 20. Aquadulce. Spain. FAO, Rome, Italy. 13.794.  
Cultivated. Seed.
469126. 21. Ascott. France. FAO, Rome, Italy. 13.795. Cultivated.  
Seed.
469127. 22. Columba. France. FAO, Rome, Italy. 13.796.  
Cultivated. Seed.
469128. 23. No. 170. Morocco. FAO, Rome, Italy. 13.836.  
Cultivated. Seed.
469129. 24. No. 213. Morocco. FAO, Rome, Italy. 13.837.  
Cultivated. Seed.
469130. 25. No. 269. Morocco. FAO, Rome, Italy. 13.838.  
Cultivated. Seed.
469131. 26. No. 298. Morocco. FAO, Rome, Italy. 13.839.  
Cultivated. Seed.
469132. 27. No. 299. Morocco. FAO, Rome, Italy. 13.840.  
Cultivated. Seed.
469133. 28. No. 303. Morocco. FAO, Rome, Italy. 13.841.  
Cultivated. Seed.
469134. 29. No. 307. Morocco. FAO, Rome, Italy. 13.842.  
Cultivated. Seed.
469135. 30. Giant three seeded. Japan. FAO, Rome, Italy. 13.948.  
Cultivated. Seed.
469136. 32. Algerian. Iran. Cultivated. Seed.
469137. 33. Shami. Iran. Cultivated. Seed.
469138. 34. Nadwislanska. Poland. FAO, Rome, Italy. 14.079.  
Cultivated. Seed.
469139. 36. 644. Turkey. FAO, Rome, Italy. Cultivated. Seed.
469140. 38. Anak bert alpha. Turkey. FAO, Rome, Italy. 13.681.  
Cultivated. Seed.
469141. 100. Large Mazandaran. Iran. Caspian Sea area.  
Cultivated. Seed.
469142. 101. Semouree Liquee 2275. Collected by Mofidi.  
Cultivated. Seed.
469143. 102. Tenguchene. Pods long. Cultivated. Seed.



469114 TO 469210-continued

469144. 103. Cyprus. Collected August 1966. Pafos. Collected by W. J. Kaiser. Cultivated. Seed.
469145. 104. Chad. Adre. Collected by Mofidi. Cultivated. Seed.
469146. 106. Long pod fava. United States. USA. Burpee Seed Co. Cultivated. Seed.
469147. 107. Velma. Collected by Mofidi. Cultivated. Seed.
469148. 108. 121 C. Collected by Ballard. Cultivated. Seed.
469149. 109. Iran. Collected 1966. Haji Abad. Collected by Sarafi. Cultivated. Seed.
469150. 110. Iran. Collected June 1966. Shahi. Collected by W. J. Kaiser. Cultivated. Seed.
469151. 111. Iran. Shushstar. Collected by Mofidi. Cultivated. Seed.
469152. 112. Iran. Varamin. Cultivated. Seed.
469153. 113. Semousse Aievec. Short type. Cultivated. Seed.
469154. 114. Iran. Mazandaran. Collected by Mofidi. Cultivated. Seed.
469155. 115. Iran. Collected 1966. Shiraz. Collected by Sarafi. Cultivated. Seed.
469156. 116. Iran. Collected 1966. Bam. Collected by Sarafi. Cultivated. Seed.
469157. 117. Egypt. Received through Irbid Exp. Station, Jordan. Cultivated. Seed.
469158. 118. Iran. Collected 1966. Rafsanjan. Collected by Sarafi. Cultivated. Seed.
469159. 119. No. 2. Iran. Varamin. Collected by Mofidi. Cultivated. Seed.
469160. 120. Anauan Piere. Collected by Mofidi. Very short type. Cultivated. Seed.
469161. 121. Quelonon Gouesses. Collected by Ballard. Cultivated. Seed.
469162. 122. Turkey. Collected September 1966. Eskisehir. Collected by W. J. Kaiser and K. H. Evans. Cultivated. Seed.

469114 TO 469210-continued

469163. 123. Emuchamel. Collected by Ballard. Cultivated. Seed.
469164. 124. Turkey. Collected September 1966. Ankara. Collected by W. J. Kaiser and K. H. Evans. Cultivated. Seed.
469165. 125. Bel bean. United States. USA. A. L. Castle, Inc. Cultivated. Seed.
469166. 150. Algerian. Iran. Collected 1966. Grown in Ostan of Tehran. Cultivated. Seed.
469167. 151. Sarazir. Iran. From KWPA Trial Farm, Dezful. Cultivated. Seed.
469168. 152. Iran. Collected October 1966. Dezful. Collected by W. J. Kaiser and K. H. Evans. Cultivated. Seed.
469169. 201. Iran. Karaj. Karaj Agricultural College. C. Ballard. 1964-13. Mazandaran. Cultivated. Seed.
469170. 202. Iran. Karaj. Karaj Agricultural College. C. Ballard. 1964-8. Mazandaran. Cultivated. Seed.
469171. 204. Iran. Karaj. Karaj Agricultural College. C. Ballard. 1964-3. Mazandaran. Cultivated. Seed.
469172. 207. Karaj. Karaj Agricultural College. C. Ballard. 1964-18. Tenguchene. Cultivated. Seed.
469173. 210. Iran. Karaj. Karaj Agricultural College. C. Ballard. 1964-9. Mazandaran. Cultivated. Seed.
469174. 214. Iran. Karaj. Karaj Agricultural College. C. Ballard. 1964-5. Mazandaran. Cultivated. Seed.
469175. 216. Iran. Karaj. Karaj Agricultural College. C. Ballard. 1964-17. Mazandaran. Seeds large. Cultivated. Seed.
469176. 217. Iran. Karaj. Karaj Agricultural College. C. Ballard. 1964-7. Mazandaran. Seeds large. Cultivated. Seed.
469177. 250. 'Ratinha'. United States. USDA Sel. A-24215. Cultivated. Seed.
469178. 251. Iran. Collected November 1966. Rasht Bazar, Mazandaran. Collected by Danesh. Cultivated. Seed.
469179. 255. Iraq. Collected March 1967. Bazar, Baghdad. Collected by W. J. Kaiser. Seed possibly from Italy. Cultivated. Seed.
469180. 257. Greece. Collected August 1967. Argos. Collected by

469114 TO 469210-continued

- W. J. Kaiser. Cultivated. Seed.
469181. 258. Iran. Collected April 1967. Mashad. Collected by W. J. Kaiser. Cultivated. Seed.
469182. 259. Jordan. Cultivated. Seed.
469183. 260. Improved long pod. United States. USA. Ferry Morse Seed Co. No. 06051 - 10416. Cultivated. Seed.
469184. 261. Iran. Collected July 1966. Neshaboor. Collected by Danesh. Cultivated. Seed.
469185. 262. Iran. Collected May 1967. Khash, Baluchestan. Collected by W. J. Kaiser. Cultivated. Seed.
469186. 264. Greece. Collected July 1967. Rhodes. Collected by W. J. Kaiser. Cultivated. Seed.
469187. 265. Greece. Collected July 1967. Rhodes. Collected by W. J. Kaiser. Cultivated. Seed.
469188. 266. Greece. Collected July 1967. Crete. Cultivated. Seed.
469189. 267. India. New Delhi. IARI. I.C.83. Cultivated. Seed.
469190. 269. Iran. Saveh. Collected by A. Call, Development and Resources Corp., Dezful. Originally from the Netherlands. Cultivated. Seed.
469191. 300. Iran. Collected May 16, 1968. Khorramabad. Collected by W. J. Kaiser. Cultivated. Seed.
469192. 301. Giant white broadbean. United Kingdom. Witham. Hurst Seed Co. Cultivated. Seed.
469193. 302. Aquadulce. United Kingdom. Witham. Hurst Seed Co. Cultivated. Seed.
469194. 303. Bunyard's exhibition. United Kingdom. Witham. Hurst Seed Co. Cultivated. Seed.
469195. 304. Dreadnought. United Kingdom. Witham. Hurst Seed Co. Cultivated. Seed.
469196. 305. Green masterpiece. United Kingdom. Witham. Hurst Seed Co. Cultivated. Seed.
469197. 306. Monarch aquadulce. United Kingdom. Witham. Hurst Seed Co. Cultivated. Seed.
469198. 307. Seville. United Kingdom. Witham. Hurst Seed Co.

469114 TO 469210-continued  
Cultivated. Seed.

469199. 308. Giant green windsor. United Kingdom. Witham. Hurst Seed Co. Cultivated. Seed.

469200. 309. Threefold or triple white. United Kingdom. Witham. Hurst Seed Co. Cultivated. Seed.

469201. 312. Iran. Kirman. Cultivated. Seed.

469202. 313. Morocco. Guich Research Station. Ministry of Agriculture. 213. Cultivated. Seed.

469203. 314. Morocco. Guich Research Station. Ministry of Agriculture. 269. Cultivated. Seed.

469204. 315. Morocco. Guich Research Station. Ministry of Agriculture. 298. Cultivated. Seed.

469205. 316. Morocco. Guich Research Station. Ministry of Agriculture. 299. Cultivated. Seed.

469206. 317. Morocco. Guich Research Station. Ministry of Agriculture. 305. Cultivated. Seed.

469207. 318. Morocco. Guich Research Station. Ministry of Agriculture. 307. Cultivated. Seed.

469208. 319. Morocco. Guich Research Station. Ministry of Agriculture. 317. Cultivated. Seed.

469209. 320. Morocco. Guich Research Station. Ministry of Agriculture. 320. Cultivated. Seed.

469210. 321. Morocco. Guich Research Station. Ministry of Agriculture. 321. Cultivated. Seed.

469211. *Agropyron desertorum* (Fisch. ex Link) Schult. (Poaceae)  
Standard crested wheatgrass.

From United States. National Plant Materials Center, Soil Conservation Service, U.S. Department of Agriculture, Beltsville, Maryland.  
Received June 1982.

T 19017. United States. Selected from PI 109218.  
Perennial Herb. Cultivated. Seed.

469212. *Agropyron elongatum* (Host) Beauv. (Poaceae) Tall wheatgrass.

From United States. National Plant Materials Center, Soil

469212-continued

Conservation Service, U.S. Department of Agriculture,  
Beltsville, Maryland. Code numbers refer to Index Seminum  
1970-71 (No. 857).  
Received June 1982.

T 6246. France. Versailles. Institut National De La  
Recherche Agronomique. No. 857. Perennial Herb.  
Cultivated. Seed.

469213. *Agropyron* hybrid (Poaceae).

From United States. National Plant Materials Center, Soil  
Conservation Service, U.S. Department of Agriculture,  
Beltsville, Maryland.  
Received June 1982.

T 6260. United States. *A. cristatum* clone hybridized  
with another wheatgrass, possibly *A. intermedium* var.  
*trichophorum*. Perennial Herb. Cultivated. Seed.

469214 TO 469215. *Agropyron intermedium* var. *trichophorum* (Link) Halac.  
(Poaceae) Pubescent wheatgrass.

From United States. National Plant Materials Center, Soil  
Conservation Service, U.S. Department of Agriculture,  
Beltsville, Maryland.  
Received June 1982.

469214. T 6635. 'Trigo'. United States. Clonal selection from PI  
107328. Aggressively rhizomatous. Perennial Herb. Seed.

469215. T 16654. 'Linn'. United States. Corvallis, Oregon.  
Oregon State University. Perennial Herb. Cultivar. Seed.

469216. *Agropyron spicatum* f. *inerme* (Scribn. & Sm.) Beetle (Poaceae)  
Beardless wheatgrass.

From United States. National Plant Materials Center, Soil  
Conservation Service, U.S. Department of Agriculture,  
Beltsville, Maryland.  
Received June 1982.

T 16652. United States. Collected 1957. South 0.8km of  
Colorado National Monument, Grand Junction, Colorado.  
Perennial Herb. Wild. Seed.

469217. *Agrostis tenuis* Sibth. (Poaceae) Colonial bentgrass.

From United States. National Plant Materials Center, Soil

**469217-continued**

Conservation Service, U.S. Department of Agriculture,  
Beltsville, Maryland.  
Received June 1982.

T 2940. 'Highland'. United States. Corvallis, Oregon.  
Oregon Agricultural Experiment Station. Perennial Herb.  
Cultivar. Seed.

**469218. *Festuca arizonica* Vasey (Poaceae) Arizona fescue.**

From United States. Los Lunas Plant Materials Center, SCS, USDA,  
and Colorado Agri. Expt. Sta., Colorado State Univ, Los  
Lunas, New Mexico & Fort Collins, Colorado.  
Received April 1982.

T 4569. 'Redondo'. United States. Collected 1956. Baca  
Grant, west of Los Alamos, New Mexico. Released in 1973.  
Used for soil stabilization and range revegetation.  
Drought tolerant in New Mexico and Colorado. Perennial  
Herb. Cultivar. Seed.

**469219. *Bouteloua curtipendula* (Michx.) Torr. (Poaceae) Side-oats  
grama.**

From United States. Arizona Agricultural Experiment Station, Univ.  
of Arizona, and Tucson Plant Mat. Center, SCS, USDA,  
Tucson, Arizona.  
Received April 1982.

T 3630. 'Uvalde'. United States. Railroad right-of-way  
2.4km west of Knippa, Texas. Released in 1950. Plants  
very leafy. Seed production high. Resistant to shattering.  
Not tolerant to winters at high elevations. Best  
adaptation to Uvalde County, Texas and surrounding areas.  
Perennial Herb. Cultivar. Seed.

**469220. *Bouteloua eriopoda* (Torr.) Torr. (Poaceae) Black grama.**

From United States. Arizona Agricultural Experiment Station, Univ.  
of Arizona, and Tucson Plant Mat. Center, SCS, USDA,  
Tucson, Arizona.  
Received April 1982.

T 3633. 'Sonora'. United States. Released in 1965 as a  
polycross. Plants vigorous, very leafy, productive. Seed  
production high. Perennial Herb. Cultivar. Seed.

**469221. *Bothriochloa ischaemum* (L.) Keng (Poaceae) Yellow bluestem.**

From United States. Manhattan Plant Materials Center, SCS, USDA,

469221-continued

Manhattan, Kansas.  
Received April 1982.

T 4241. 'El Kan'. United States. Collected 1937. West of Howard, Elk County, Kansas. Adapted to Kansas, Oklahoma, eastern Colorado and northeast New Mexico on soils and clays with 38.1cm or more precipitation. Production and palatability not as good as native bluestems or southern bluestem, but tolerant to wider range of soils and climate. Cold tolerant. Used for pasture and stabilization. Perennial Herb. Cultivar. Seed.

469222. *Eragrostis chloromelas* Steud. (Poaceae) Boer lovegrass.

From United States. Tucson Plant Materials Center, SCS, USDA, and Arizona Agricultural Expt. Station, Univ. of Arizona, Tucson, Arizona.  
Received April 1982.

T 3730. 'A-84'. South Africa. Collected 1932. Released in 1950. Used for soil stabilization and range revegetation. Drought tolerant. Perennial Herb. Cultivar. Seed.

469223. *Eragrostis lehmanniana* Nees (Poaceae) Lehmann lovegrass.

From United States. Tucson Plant Materials Center, SCS, USDA, and Arizona Agricultural Expt. Station, Univ. of Arizona, Tucson, Arizona.  
Received April 1982.

T 3732. 'A-68'. South Africa. Collected 1932. Released in 1950. Seedlings volunteer and tolerate adverse conditions. Drought tolerant. Used for soil stabilization and range revegetation. Perennial Herb. Cultivar. Seed.

469224. *Panicum antidotale* Retz. (Poaceae) Blue panicgrass.

From United States. Tucson Plant Materials Center, SCS, USDA, and Arizona Agricultural Expt. Station, Univ. of Arizona, Tucson, Arizona.  
Received April 1982.

T 3834. 'A-130'. Australia. Collected 1932. Released in 1950. Major strain grown in the southwest. Suitable for irrigation and range. Perennial Herb. Cultivar. Seed.

469225. *Agropyron desertorum* (Fisch. ex Link) Schult. (Poaceae)

469225-continued

Standard crested wheatgrass.

From United States. Bismark Plant Materials Center, SCS, USDA,  
and Northern Great Plains Research Center, ARS, USDA,  
Bismark and Mandan, North Dakota.

Received April 1982.

T 4230. 'Nordan'. United States. Collected 1937.  
Dickinson, North Dakota. Released in 1953. More uniform  
than other commercial cultivars. Seedheads beardless,  
acceptable to animals. Equal to or higher in forage  
production to commercial cultivars. Good seedling vigor  
and seed quality. Perennial Herb. Cultivar. Seed.

469226. *Fraxinus pennsylvanica* Marsh. (Oleaceae).

From United States. Bismark Plant Materials Center, SCS, USDA,  
and Northern Great Plains Research Service, USDA, Bismark  
and Mandan, North Dakota.

Received April 1982.

T 5895. 'Cardan'. United States. Collected 1954.  
Carlyle, Montana. Released in 1979. Plants adapted to all  
soils and climates in northern plains. Used for  
conservation: windbreak, wildlife food and cover,  
revegetation of disturbed areas. Resistant to ash borer.  
Tree. Cultivar. Seed.

469227. *Bromus inermis* Leyss. (Poaceae) Smooth bromegrass.

From United States. Elsberry Plant Materials Center, SCS, USDA,  
and Missouri Agricultural Expt. Sta., Univ. of Missouri,  
Elsberry and Columbia, Missouri.

Received April 1982.

T 11391. 'Elsberry'. United States. Northwestern  
Missouri or Southeastern Iowa. Released in 1954. Southern  
early-maturing strain. Perennial Herb. Cultivar. Seed.

469228. *Panicum virgatum* L. (Poaceae) Switchgrass.

From United States. Elsberry Plant Materials Center, SCS, USDA,  
and Missouri Agricultural Expt. Sta., Univ. of Missouri,  
Elsberry and Columbia, Missouri.

Received April 1982.

T 5174. 'Cave-in-Rock'. United States. Collected 1958.  
Cave-in-Rock, Illinois. Released in 1974. Lowland type  
similar to 'Kanlow'. Maturity late. Medium to coarse.  
Seed production 75% higher than 'Blackwell'. Used for hay,  
wildlife food and cover. Resistant to zonate leafspot and



469228-continued

rust. Perennial Herb. Cultivar. Seed.

469229. *Elymus cinereus* Scribn. & Merr. (Poaceae) Basin wildrye.

From United States. Aberdeen Plant Materials Center, SCS, USDA,  
and Idaho Agricultural Expt. Station, Univ. of Idaho,  
Aberdeen and Moscow, Idaho.  
Received April 1982.

T 3232. 'Magnar'. Canada. Collected 1939. Saskatchewan.  
Released in 1979. Seedling vigor good. Seed production  
excellent. Used for conservation: windbreaks,  
stabilization, rangeland and minespoil revegetation,  
wildlife cover and food. Drought tolerant on all but  
coarse soil. Salt tolerant. Perennial Herb. Cultivar.  
Seed.

469230. *Oryzopsis hymenoides* (Roem. & Schult.) Ricker (Poaceae).

From United States. Aberdeen Plant Materials Center, SCS, USDA,  
and Idaho Agricultural Expt. Station, Univ. of Idaho,  
Aberdeen and Moscow, Idaho.  
Received April 1982.

T 8314. 'Nezpar'. United States. Collected 1935.  
Whitebird, Idaho. Released in 1978. Used for dryland  
forage, revegetation of mined land and winter feed for  
wildlife. Drought tolerant. Perennial Herb. Cultivar.  
Seed.

469231. *Bromus carinatus* Hook. & Arn. (Poaceae) Mountain brome.

From United States. California Agricultural Expt. Sta., Univ. of  
California, and Lockeford Plant Mat. Center, SCS, USDA,  
Berkeley and Lockeford, California.  
Received April 1982.

T 16716. 'Cucamonga'. United States. Collected 1939.  
Cucamonga, California. Released in 1949. Collected by R.L.  
Forsyth. Maturity early. Reseeds itself. Conservation  
crop for vineyards, burned-over areas and road banks.  
Winter Annual. Cultivar. Seed.

469232. *Bromus mollis* L. (Poaceae) Soft chessgrass.

From United States. California Agricultural Expt. Sta., Univ. of  
California, Lockeford Plant Materials Center, SCS, USDA,  
Berkeley and Lockeford, California.  
Received April 1982.

469232-continued

T 6517. 'Blando'. United States. Collected 1940. San Ramon, California. Released in 1954. Plants self-seed. Used for converting grain land and brush burns to rangeland, covercrop, or stabilization. Winter Annual. Cultivar. Seed.

469233. *Bromus unioloides* H.B.K. (Poaceae) Rescuegrass.

From United States. California Agricultural Expt. Sta., Univ. of California, and Lockeford Plant Mat. Center, SCS, USDA, Berkeley and Lockeford, California.  
Received April 1982.

T 16747. 'Prairie'. New Zealand. Released in 1946. Introduced by W. Fisher, selected by L.G. Goar at the Imperial Valley Field Station, El Centro, California. Rapid-developing, high-producing, short-lived. Very palatable. Not competitive with other perennials in mixtures. High fertilizer requirement. Perennial Herb. Cultivar. Seed.

469234. *Dactylis glomerata* L. (Poaceae) Orchardgrass.

From United States. California Agricultural Expt. Sta., Univ. of California, and Lockeford Plant Mat. Center, SCS, USDA, Berkeley and Lockeford, California.  
Received April 1982.

T 16774. 'Akaroa'. New Zealand. Released in 1953. Finer stemmed, leafier, shorter growing than commercial. Winter hardy under irrigation in Northern California, but subject to winter injury in Intermountain States. Perennial Herb. Cultivar. Seed.

469235. *Agropyron dasystachyum* (Hook.) Scribn. (Poaceae) Thickspike wheatgrass.

From United States. Bridger Plant Materials Center, SCS, USDA, and Montana Agri. Expt. Station, Montana State University, Bridger and Bozeman, Montana.  
Received April 1982.

T 7219. 'Critana'. United States. Collected 1960. Roadside cuts on medium to fine textured soils near Havre, Montana. Released in 1971. Collected by D.E. Ryerson. Seedling vigor excellent. Seed production good. Tight sod under dryland conditions. Used for conservation of disturbed areas. Requires little or no maintenance. Perennial Herb. Cultivar. Seed.

469236. *Agropyron smithii* Rydb. (Poaceae) Western wheatgrass.

From United States. Bridger Plant Materials Center, SCS, USDA, Montana Agri. Expt. Sta., Montana State University, Bridger and Bozeman, Montana.  
Received April 1982.

T 7223. 'Rosana'. United States. Collected 1959. Native Meadows along Porcupine Creek northwest of Foryth, Montana. Released in 1972. Used for irrigated pasture or hay in short water supply areas and for reseeding range. Drought tolerant. Perennial Herb. Cultivar. Seed.

469237. *Andropogon hallii* Hack. (Poaceae) Sand bluestem.

From United States. Southern Great Plains Field Station, Agricultural Research Service, USDA, Woodward, Oklahoma.  
Received May 1982.

T 16112. 'Woodward'. United States. Collected 1942. Woodward County, Oklahoma and Clovis, New Mexico. Collected by M.L. Peterson. Released in 1955. Superior to wild strains in shorter size, leafiness, flower production and seed set. Used for rangeland. Perennial Herb. Cultivar. Seed.

469238. *Eragrostis trichodes* (Nutt.) Wood (Poaceae) Sand lovegrass.

From United States. Nebraska Agricultural Experiment Station, University of Nebraska, Lincoln, Nebraska.  
Received May 1982.

'Nebraska 27'. United States. Collected 1935. Northern Holt County, Nebraska. Released in 1949. Plants adapt to wide range of soils, highly palatable, nutritious. Used for rangeland. Cold tolerant. Perennial Herb. Cultivar. Seed.

469239 TO 469240. *Asparagus officinalis* L. (Liliaceae) Garden asparagus.

From Soviet Union. Hortus Botanicus Principalis, Academiae Scientiarum URSS, Moscow. Code numbers refer to 1980 and 1982 Seed List designations.  
Received March 1982.

469239. 1160. Soviet Union. Seed.

469240. 2074. Soviet Union. Kazakhstan. Seed.

469241. *Asparagus schoberioides* Kunth (Liliaceae).

From Soviet Union. Hortus Botanicus Principalis, Academiae Scientiarum URSS, Moscow. Code numbers refer to 1980 and 1982 Seed List designations.  
Received March 1982.

1161. Soviet Union. Seed.

469242. *Desmodium aparines* (Link) DC. (Fabaceae).

From United States. Hawaii Plant Materials Center, SCS, USDA, and Hawaii Agricultural Experiment Station, Hoolehua, Hawaii and Honolulu, Hawaii.  
Received April 1982.

HA 201. 'Kuiaha'. Australia. Collected 1947. 1-750M. Released in 1969. Adopted to climates in Hawaii with more than 150cm rain. Used for grazing. Perennial Herb. Cultivar. Seed.

469243. *Bromus unioloides* H.B.K. (Poaceae) Rescuegrass.

From United States. Americus Plant Materials Center, Soil Conservation Service, USDA, Americus, Georgia.  
Received April 1982.

T 16748. 'Chapel Hill'. United States. Selection from commercial seed, Nicholson Seed Co., Dallas, Texas. Plants vigorous, tending to be perennial at north border of cotton belt. Resistant to smut and mildew east of Alabama and Tennessee. Perennial Herb. Cultivar. Seed.

469244. *Festuca arundinacea* Schreb. (Poaceae) Tall fescue.

From United States. Americus Plant Materials Center Soil Conservation Service, USDA, Americus, Georgia.  
Received April 1982.

T 2174. Asheville. United States. Naturalized stand 8km southwest of Asheville, North Carolina. More stable to adverse environments than Kentucky 31 or Alta. Superior to other accessions on soils that become too wet in winter and on rich soils during cold winter. Perennial Herb. Cultivated. Landrace. Seed.

469245. *Lespedeza bicolor* Turcz. (Fabaceae) Shrub bushclover.

From United States. Americus Plant Materials Center, Soil Conservation Service, USDA, Americus, Georgia.

469245-continued

Received April 1982.

T 2012. '101'. United States. Collected February 27, 1943. Lexington County, South Carolina. Collected by V. Davidson in 7000 plant field. Plants tall. Seed ripening uniform. Seed yield high. Adapted to southern half of bicolor range. Used for quail food, deer browse and erosion control. Perennial Woody. Cultivar. Seed.

469246. *Sorghum bicolor* (L.) Moench (Poaceae) Sweet sorghum.

From United States. Americus Plant Materials Center, Soil Conservation Service, USDA, Americus, Georgia.

Received April 1982.

AM 23. 'Tombigbee'. United States. Collected 1939. Epes, Alabama. Selected from wild type. Plants medium-sized. Seed shatters soon after maturity, remains sound over winter, germinates following spring and summer. Used in wildlife plantings. Perennial Herb. Cultivar. Seed.

469247. *Sorghum sudanense* (Piper) Stapf (Poaceae) Sudangrass.

From United States. Americus Plant Materials Center, Soil Conservation Service, USDA, Americus, Georgia.

Received April 1982.

AM 22. 'Wild'. United States. Collected 1945. Clewiston, Florida. Seed shatters soon after maturity, remains sound for some time, volunteers freely. Naturalized in Everglades. Drought tolerant. Annual. Cultivar. Seed.

469248 TO 469249. *Vigna unguiculata* (L.) Walp. subsp. *unguiculata* (Fabaceae) Southern pea.

From United States. Americus Plant Materials Center, Soil Conservation Service, USDA, Americus, GA 31709.

Received April 1982.

469248. T 3511. 'Thorsby'. United States. Collected 1951. Chilton County, Alabama. Collected by D. Hungerford, Jr. Plants volunteer readily. Used for conservation: wild life, forage, cover crop. Adapted to well drained soils of the southeast. Optimum latitude 32 deg. north. Perennial Herb. Cultivar. Seed.

469249. T 3512. 'Tory'. United States. Collected 1946. Columbus, Mississippi. Collected by J. A. Johnson. Plants volunteer readily. Used for conservation: wildlife, forage, cover crop. Adapted to well drained soils of the southern

469248 TO 469249-continued

states. Optimum latitude 33-34 deg. north. Perennial Herb.  
Cultivar. Seed.

469250. *Bouteloua curtipendula* (Michx.) Torr. (Poaceae) Side-oats  
grama.

From United States. Knox City Plant Materials Center, Soil  
Conservation Service, USDA, Knox City, Texas.  
Received April 1982.

T 30254. 'Premier'. Mexico. Collected 1953. Between  
Cuauhtemoc and Chihuahua, Mexico. Released in 1960.  
Superior to 'Coronado', 'Uvalde' and 'Vaughn' in seed  
production under moisture stress and comparable in forage  
production. Germinates readily, seedlings develop rapidly.  
Perennial Herb. Cultivar. Seed.

469251. *Dichanthium annulatum* (Forsk.) Stapf (Poaceae) Diaz bluestem.

From United States. Knox City Plant Materials Center, Soil  
Conservation Service, USDA, Knox City, Texas.  
Received April 1982.

T 16794. 'Kleberg'. United States. Collected 1939. King  
Ranch, Texas. Adapted to medium to fine soils in Texas  
coasts & plains. Plants volunteer aggressively. Seed  
production good. Drought tolerant. Salt tolerant. Used  
for cattle. Perennial Herb. Cultivar. Seed.

469252. *Dichanthium aristatum* (Poir.) C. E. Hubb. (Poaceae) Angleton  
bluestem.

From United States. Knox City Plant Materials Center, Soil  
Conservation Service, USDA, Knox City, Texas.  
Received April 1982.

PMT 11. 'Medio'. United States. Collected 1940. Near  
state hwy bridge 202, Medio Creek, Bee County, Texas.  
Adapted to clay or sandy soils with shallow clay layer.  
Plants spread well, form dense turf. Seed production good.  
Used for cattle. Perennial Herb. Cultivar. Seed.

469253. *Digitaria californica* (Benth.) Henr. (Poaceae) Arizona  
cottontop.

From United States. Knox City Plant Materials Center, Soil  
Conservation Service, USDA, Knox City, Texas.  
Received April 1982.

469253-continued

T 3707. 'PMT - 389'. United States. Collected 1958. Van Horn, Texas. Adapted to medium and fine textured soils of western Edwards Plateau, Rio Grande Plain, and Trans Pecos area of west Texas. Seed adheres to grama seed and feeds readily through seeding equipment. Perennial Herb. Cultivar. Seed.

469254. *Eragrostis superba* Peyr. (Poaceae) Wilman lovegrass.

From United States. Knox City Plant Materials Center, Soil Conservation Service, USDA, Los Lunas, Mexico.  
Received April 1982.

T 8237. South Africa. Composite of PI 295704, PI 299959, BN 14836, and BN 16087. Adapted to sandy and heavy, black soil. Limited to areas where minimum temperature is 10 deg. F. Used for forage, wildlife and erosion control on desert grassland. More palatable than weeping or Lehman lovegrass. Preferred to Rhodesgrass and blue panicum in irrigated pastures. Perennial Herb. Cultivated. Seed.

469255 TO 469257. *Leucaena leucocephala* (Lam.) de Wit (Fabaceae) Leadtree.

From Brazil. C. C. Shock, Department of Agronomy & Range Science, University of California, Davis, CA.  
Received May 1982.

469255. Peruvian. Brazil. Sao Paulo. Instituto de Pesquisas. IRI 2984. Originally from Australia. Cultivated. Seed.

469256. Brazil. Sao Paulo. Instituto de Pesquisas. IRI 3155. Collected by C. C. Shock. Single plant growing in Makueni guineagrass. Cultivated. Seed.

469257. Brazil. Sao Paulo. Instituto de Pesquisas. IRI 3164. Brasilandia, Mato Grosso do Sul. Single plant selection from crop of Peruvian. Cultivated. Seed.

469258 TO 469260. *Panicum maximum* Jacq. (Poaceae) Guineagrass.

From Brazil. C. C. Shock, Department of Agronomy & Range Science, University of California, Davis, CA.  
Received May 1982.

469258. Brazil. Selection A from CPI 37910. Cultivated. Seed.

469259. Brazil. Selection B from CPI 37910. Cultivated. Seed.

469260. Brazil. Selection C from CPI 37910. Cultivated. Seed.

469261. *Stevia rebaudiana* (Bertoni) Bertoni (Asteraceae).

From Brazil. C. C. Shock, Department of Agronomy & Range Science,  
University of California, Davis, CA.  
Received May 1982.

Paraguay. Department of Amambay. Collected by C. C.  
Shock. Wild. Seed.

469262. *Medicago sativa* L. (Fabaceae) Alfalfa.

From Egypt. A. Rammah, Agriculture Research Center, Cairo, Egypt.  
Received through W. F. Lehman, Dept. of Agronomy & Range  
Science, University of California.  
Received June 1982.

Egypt. Siwa Oasis in north-western Egypt. Seed from a  
single selection made from an ecotype called Siwa or Sewa.  
Cultivated. Seed.

469263. *Medicago* sp. (Fabaceae).

From United States. W. F. Lehman, Department of Agronomy and  
Range Science, Univ. of California, El Centro, California.  
Received June 1982.

Egypt. Sakah Expt. Station near Kafr Sheikh, Nile Delta.  
Annual. Seed.

469264. *Trigonella foenum-graecum* L. (Fabaceae) Fenugreek.

From Egypt. F. Elsebaey, Gemmezia Experiment Station, Tanta,  
Egypt. Received through W. F. Lehman, Dept. of Agronomy &  
Range Science, University of California.  
Received June 1982.

Egypt. Nile Delta. Cultivated. Seed.

469265 TO 469268. *Avena sativa* L. (Poaceae) Common oat.

From United States. D. L. Reeves, Department of Plant Science,  
South Dakota State University, Brookings, South Dakota.  
Received June 1982.

469265. SD 751187. United States. X848-1-1-2/Cayuse//CI 8457.  
Yield and testing weight good. Breeding Material. Seed.

469266. SD 760062. United States. Froker//Clintland 64/Garland.  
Yield and testing weight good. Breeding Material. Seed.



469265 TO 469268-continued

469267. SD 770064. United States. Clintland 64/Garland//Frocker. Yield and testing weight good. Breeding Material. Seed.

469268. SD 770290. United States. Chief/Kelsey. Yield and testing weight good. Breeding Material. Seed.

469269 TO 469271. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. R. H. Busch, Department of Agronomy & Plant Genetics, USDA, University of Minnesota, St. Paul, Minnesota.

Received June 1982.

469269. MN7357. United States. Crim/2\*Era//MN69235S. Plants semidwarf. Yield very high. Resistant to leaf and stem rust. Moderately resistant to loose smut, ergot and tan spot. Breeding Material. Seed.

469270. MN73167. United States. Crim/2\*Era//MN69235S. Plants semidwarf. Yield very high. Resistant to leaf and stem rust. Moderately resistant to loose smut, ergot and tan spot. Breeding Material. Seed.

469271. MN73168. United States. Crim/2\*Era//Bui-Gallo. Plants semidwarf. Yield very high. Resistant to leaf and stem rust. Moderately resistant to loose smut, ergot and tan spot. Breeding Material. Seed.

469272. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Department of Agronomy, Purdue University, West Lafayette, Indiana.

Received June 1982.

'Fillmore'. United States. P5724B3-5P-8-2\*2/Siete Cerros. Soft red winter type. Maturity mid-season. Heads large, with three or four seeds per spikelet. Seed size similar to Arthur. Milling and baking qualities high. Resistant to *Septoria* leaf blotch, *Puccinia recondita*, *Erysiphe graminis*, and stem rust. One of the most resistant cultivars to barley yellow dwarf virus. Resistant to Hessian fly. Winter Annual. Cultivar. Seed.

469273 TO 469292. *Linum usitatissimum* L. (Linaceae) Flax.

From Australia. R. P. Johnston, Hermitage Research Station, Department of Primary Industries, Warwick, Queensland 4370.

Received June 1982.

469273 TO 469292-continued

469273. Bonnydoon. Australia. Cultivated. Seed.  
469274. Glenelg. Australia. Cultivated. Seed.  
469275. Australia. BY/KRUP 2. Cultivated. Seed.  
469276. Australia. BY/KRUP 18. Cultivated. Seed.  
469277. Australia. BY/RR 204 1. Cultivated. Seed.  
469278. Australia. BY/RR 204 10. Cultivated. Seed.  
469279. Australia. BY/Seln 880 14. Cultivated. Seed.  
469280. Australia. BY/Seln 880 18. Cultivated. Seed.  
469281. Australia. H4-57/MS 4572 8. Cultivated. Seed.  
469282. Australia. H4-57/MS 4572 14. Cultivated. Seed.  
469283. Australia. IF 808/MS 4542 8. Cultivated. Seed.  
469284. Australia. IF 808/MS 4542 16. Cultivated. Seed.  
469285. Australia. IF 808/MS 4572 3. Cultivated. Seed.  
469286. Australia. IF 808/MS 4572 18. Cultivated. Seed.  
469287. Australia. MRC/BAH 1. Cultivated. Seed.  
469288. Australia. MRC/BAH 12. Cultivated. Seed.  
469289. Australia. MRC/H 39 A 2. Cultivated. Seed.  
469290. Australia. MRC/H 39 A 13. Cultivated. Seed.  
469291. Australia. UR 4845/Seln 880 13. Cultivated. Seed.  
469292. Australia. UR 4845/Seln 880 20. Cultivated. Seed.

469293. *Linum usitatissimum* L. (Linaceae) Flax.

From France. CODISOL, 75008 Paris.  
Received June 1982.

'Atalante'. France. Maturity medium. Straw medium.  
Lodging resistance good. Seed yield 13% more than 'Maroc'.  
Oil content similar to 'Maroc'. Oil quality and iodine  
index good. Resistant to *Fusarium* and rust. Susceptible  
to *Botrytis*. Breeding Material. Seed.

469294. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Illinois Agricultural Experiment Station,  
Department of Agronomy; and U.S. Department of  
Agriculture, Urbana, Illinois.  
Received July 1982.

Il. 72-2218-1. 'Scotty'. United States. Va. 66-54-10 x  
Arthur. Soft red type. Yield high with medium test weight.  
Milling quality good. Baking quality excellent. Resistant  
to powdery mildew, moderately resistant to leaf rust.  
Winter Annual. Cultivar. Seed.

469295 TO 469717. *Oryza sativa* L. (Poaceae) Rice.

From United States. Rice Collection, Germplasm Resources  
Laboratory, USDA, Beltsville, MD.  
Received July 1982.

469295. WC 10248. Seed.

469296. WC 10249. Seed.

469297. WC 10250. Seed.

469298. WC 10251. Seed.

469299. WC 10252. Seed.

469300. WC 10253. Seed.

469301. WC 10254. Seed.

469302. WC 10255. Seed.

469303. WC 10256. Seed.

469304. WC 10257. Seed.

469305. WC 10258. Seed.

469306. WC 10259. Seed.

469307. WC 10260. Seed.

469308. WC 10261. Seed.

469309. WC 10262. Seed.

469310. WC 10263. Seed.

469311. WC 10264. Seed.

**469295 TO 469717-continued**

469312. WC 10265. Seed.  
469313. WC 10266. Seed.  
469314. WC 10267. Seed.  
469315. WC 10268. Seed.  
469316. WC 10269. Seed.  
469317. WC 10270. Seed.  
469318. WC 10271. Seed.  
469319. WC 10272. Seed.  
469320. WC 10273. Seed.  
469321. WC 10274. Seed.  
469322. WC 10275. Seed.  
469323. WC 10276. Seed.  
469324. WC 10277. Seed.  
469325. WC 10278. Seed.  
469326. WC 10279. Seed.  
469327. WC 10280. Seed.  
469328. WC 10281. Seed.  
469329. WC 10282. Seed.  
469330. WC 10283. Seed.  
469331. WC 10284. Seed.  
469332. WC 10285. Seed.  
469333. WC 10286. Seed.  
469334. WC 10287. Seed.  
469335. WC 10288. Seed.  
469336. WC 10289. Seed.  
469337. WC 10290. Seed.

469295 TO 469717-continued

469338. WC 10291. Seed.  
469339. WC 10292. Seed.  
469340. WC 10293. Seed.  
469341. WC 10294. Seed.  
469342. WC 10295. Seed.  
469343. WC 10296. Seed.  
469344. WC 10297. Seed.  
469345. WC 10298. Seed.  
469346. WC 10299. Seed.  
469347. WC 10300. Seed.  
469348. WC 10301. Seed.  
469349. WC 10302. Seed.  
469350. WC 10303. Seed.  
469351. WC 10304. Seed.  
469352. WC 10305. Seed.  
469353. WC 10306. Seed.  
469354. WC 10307. Seed.  
469355. WC 10308. Seed.  
469356. WC 10309. Seed.  
469357. WC 10310. Seed.  
469358. WC 10311. Seed.  
469359. WC 10312. Seed.  
469360. WC 10313. Seed.  
469361. WC 10314. Seed.  
469362. WC 10315. Seed.  
469363. WC 10316. Seed.

469295 TO 469717-continued

469364. WC 10317. Seed.  
469365. WC 10318. Seed.  
469366. WC 10319. Seed.  
469367. WC 10320. Seed.  
469368. WC 10321. Seed.  
469369. WC 10322. Seed.  
469370. WC 10323. Seed.  
469371. WC 10324. Seed.  
469372. WC 10325. Seed.  
469373. WC 10326. Seed.  
469374. WC 10327. Seed.  
469375. WC 10328. Seed.  
469376. WC 10329. Seed.  
469377. WC 10330. Seed.  
469378. WC 10331. Seed.  
469379. WC 10332. Seed.  
469380. WC 10333. Seed.  
469381. WC 10334. Seed.  
469382. WC 10335. Seed.  
469383. WC 10336. Seed.  
469384. WC 10337. Seed.  
469385. WC 10338. Seed.  
469386. WC 10339. Seed.  
469387. WC 10340. Seed.  
469388. WC 10341. Seed.  
469389. WC 10342. Seed.

469295 TO 469717-continued

469390. WC 10343. Seed.  
469391. WC 10344. Seed.  
469392. WC 10345. Seed.  
469393. WC 10346. Seed.  
469394. WC 10347. Seed.  
469395. WC 10348. Seed.  
469396. WC 10349. Seed.  
469397. WC 10350. Seed.  
469398. WC 10351. Seed.  
469399. WC 10352. Seed.  
469400. WC 10353. Seed.  
469401. WC 10354. Seed.  
469402. WC 10355. Seed.  
469403. WC 10356. Seed.  
469404. WC 10357. Seed.  
469405. WC 10358. Seed.  
469406. WC 10359. Seed.  
469407. WC 10360. Seed.  
469408. WC 10361. Seed.  
469409. WC 10362. Seed.  
469410. WC 10363. Seed.  
469411. WC 10364. Seed.  
469412. WC 10365. Seed.  
469413. WC 10366. Seed.  
469414. WC 10367. Seed.  
469415. WC 10368. Seed.

**469295 TO 469717-continued**

469416. WC 10369. Seed.  
469417. WC 10370. Seed.  
469418. WC 10371. Seed.  
469419. WC 10372. Seed.  
469420. WC 10373. Seed.  
469421. WC 10374. Seed.  
469422. WC 10375. Seed.  
469423. WC 10376. Seed.  
469424. WC 10377. Seed.  
469425. WC 10378. Seed.  
469426. WC 10379. Seed.  
469427. WC 10380. Seed.  
469428. WC 10381. Seed.  
469429. WC 10382. Seed.  
469430. WC 10383. Seed.  
469431. WC 10384. Seed.  
469432. WC 10385. Seed.  
469433. WC 10386. Seed.  
469434. WC 10387. Seed.  
469435. WC 10388. Seed.  
469436. WC 10389. Seed.  
469437. WC 10390. Seed.  
469438. WC 10391. Seed.  
469439. WC 10392. Seed.  
469440. WC 10393. Seed.  
469441. WC 10394. Seed.



469295 TO 469717-continued

469442. WC 10395. Seed.  
469443. WC 10396. Seed.  
469444. WC 10397. Seed.  
469445. WC 10398. Seed.  
469446. WC 10399. Seed.  
469447. WC 10400. Seed.  
469448. WC 10401. Seed.  
469449. WC 10402. Seed.  
469450. WC 10403. Seed.  
469451. WC 10404. Seed.  
469452. WC 10405. Seed.  
469453. WC 10406. Seed.  
469454. WC 10407. Seed.  
469455. WC 10408. Seed.  
469456. WC 10409. Seed.  
469457. WC 10410. Seed.  
469458. WC 10411. Seed.  
469459. WC 10412. Seed.  
469460. WC 10413. Seed.  
469461. WC 10414. Seed.  
469462. WC 10415. Seed.  
469463. WC 10416. Seed.  
469464. WC 10417. Seed.  
469465. WC 10418. Seed.  
469466. WC 10419. Seed.  
469467. WC 10420. Seed.

**469295 TO 469717-continued**

469468. WC 10421. Seed.  
469469. WC 10422. Seed.  
469470. WC 10423. Seed.  
469471. WC 10424. Seed.  
469472. WC 10425. Seed.  
469473. WC 10426. Seed.  
469474. WC 10427. Seed.  
469475. WC 10428. Seed.  
469476. WC 10429. Seed.  
469477. WC 10430. Seed.  
469478. WC 10431. Seed.  
469479. WC 10432. Seed.  
469480. WC 10433. Seed.  
469481. WC 10434. Seed.  
469482. WC 10435. Seed.  
469483. WC 10436. Seed.  
469484. WC 10437. Seed.  
469485. WC 10438. Seed.  
469486. WC 10439. Seed.  
469487. WC 10440. Seed.  
469488. WC 10441. Seed.  
469489. WC 10442. Seed.  
469490. WC 10443. Seed.  
469491. WC 10444. Seed.  
469492. WC 10445. Seed.  
469493. WC 10446. Seed.

**469295 TO 469717-continued**

469494. WC 10447. Seed.  
469495. WC 10448. Seed.  
469496. WC 10449. Seed.  
469497. WC 10450. Seed.  
469498. WC 10451. Seed.  
469499. WC 10452. Seed.  
469500. WC 10453. Seed.  
469501. WC 10454. Seed.  
469502. WC 10455. Seed.  
469503. WC 10456. Seed.  
469504. WC 10457. Seed.  
469505. WC 10458. Seed.  
469506. WC 10459. Seed.  
469507. WC 10460. Seed.  
469508. WC 10461. Seed.  
469509. WC 10462. Seed.  
469510. WC 10463. Seed.  
469511. WC 10464. Seed.  
469512. WC 10465. Seed.  
469513. WC 10466. Seed.  
469514. WC 10467. Seed.  
469515. WC 10468. Seed.  
469516. WC 10469. Seed.  
469517. WC 10470. Seed.  
469518. WC 10471. Seed.  
469519. WC 10472. Seed.

469295 TO 469717-continued

469520. WC 10473. Seed.  
469521. WC 10474. Seed.  
469522. WC 10475. Seed.  
469523. WC 10476. Seed.  
469524. WC 10477. Seed.  
469525. WC 10478. Seed.  
469526. WC 10479. Seed.  
469527. WC 10480. Seed.  
469528. WC 10481. Seed.  
469529. WC 10482. Seed.  
469530. WC 10483. Seed.  
469531. WC 10484. Seed.  
469532. WC 10485. Seed.  
469533. WC 10486. Seed.  
469534. WC 10487. Seed.  
469535. WC 10488. Seed.  
469536. WC 10489. Seed.  
469537. WC 10490. Seed.  
469538. WC 10491. Seed.  
469539. WC 10492. Seed.  
469540. WC 10493. Seed.  
469541. WC 10494. Seed.  
469542. WC 10495. Seed.  
469543. WC 10496. Seed.  
469544. WC 10497. Seed.  
469545. WC 10498. Seed.

469295 TO 469717-continued

469546. WC 10499. Seed.  
469547. WC 10500. Seed.  
469548. WC 10501. Seed.  
469549. WC 10502. Seed.  
469550. WC 10503. Seed.  
469551. WC 10504. Seed.  
469552. WC 10505. Seed.  
469553. WC 10506. Seed.  
469554. WC 10507. Seed.  
469555. WC 10508. Seed.  
469556. WC 10509. Seed.  
469557. WC 10510. Seed.  
469558. WC 10511. Seed.  
469559. WC 10512. Seed.  
469560. WC 10513. Seed.  
469561. WC 10514. Seed.  
469562. WC 10515. Seed.  
469563. WC 10516. Seed.  
469564. WC 10517. Seed.  
469565. WC 10518. Seed.  
469566. WC 10519. Seed.  
469567. WC 10520. Seed.  
469568. WC 10521. Seed.  
469569. WC 10522. Seed.  
469570. WC 10523. Seed.  
469571. WC 10524. Seed.

**469295 TO 469717-continued**

469572. WC 10525. Seed.  
469573. WC 10526. Seed.  
469574. WC 10527. Seed.  
469575. WC 10528. Seed.  
469576. WC 10529. Seed.  
469577. WC 10530. Seed.  
469578. WC 10531. Seed.  
469579. WC 10532. Seed.  
469580. WC 10533. Seed.  
469581. WC 10534. Seed.  
469582. WC 10535. Seed.  
469583. WC 10536. Seed.  
469584. WC 10537. Seed.  
469585. WC 10538. Seed.  
469586. WC 10539. Seed.  
469587. WC 10540. Seed.  
469588. WC 10541. Seed.  
469589. WC 10542. Seed.  
469590. WC 10543. Seed.  
469591. WC 10544. Seed.  
469592. WC 10545. Seed.  
469593. WC 10546. Seed.  
469594. WC 10547. Seed.  
469595. WC 10548. Seed.  
469596. WC 10549. Seed.  
469597. WC 10550. Seed.

469295 TO 469717-continued

469598. WC 10551. Seed.  
469599. WC 10552. Seed.  
469600. WC 10553. Seed.  
469601. WC 10554. Seed.  
469602. WC 10555. Seed.  
469603. WC 10556. Seed.  
469604. WC 10557. Seed.  
469605. WC 10558. Seed.  
469606. WC 10559. Seed.  
469607. WC 10560. Seed.  
469608. WC 10561. Seed.  
469609. WC 10562. Seed.  
469610. WC 10564. Seed.  
469611. WC 10565. Seed.  
469612. WC 10566. Seed.  
469613. WC 10567. Seed.  
469614. WC 10568. Seed.  
469615. WC 10569. Seed.  
469616. WC 10570. Seed.  
469617. WC 10571. Seed.  
469618. WC 10572. Seed.  
469619. WC 10573. Seed.  
469620. WC 10574. Seed.  
469621. WC 10575. Seed.  
469622. WC 10576. Seed.  
469623. WC 10577. Seed.

**469295 TO 469717-continued**

469624. WC 10578. Seed.  
469625. WC 10579. Seed.  
469626. WC 10580. Seed.  
469627. WC 10581. Seed.  
469628. WC 10582. Seed.  
469629. WC 10583. Seed.  
469630. WC 10584. Seed.  
469631. WC 10585. Seed.  
469632. WC 10586. Seed.  
469633. WC 10587. Seed.  
469634. WC 10588. Seed.  
469635. WC 10589. Seed.  
469636. WC 10590. Seed.  
469637. WC 10591. Seed.  
469638. WC 10592. Seed.  
469639. WC 10593. Seed.  
469640. WC 10594. Seed.  
469641. WC 10595. Seed.  
469642. WC 10596. Seed.  
469643. WC 10597. Seed.  
469644. WC 10598. Seed.  
469645. WC 10599. Seed.  
469646. WC 10600. Seed.  
469647. WC 10601. Seed.  
469648. WC 10602. Seed.  
469649. WC 10603. Seed.



469295 TO 469717-continued

469650. WC 10604. Seed.  
469651. WC 10605. Seed.  
469652. WC 10606. Seed.  
469653. WC 10607. Seed.  
469654. WC 10608. Seed.  
469655. WC 10609. Seed.  
469656. WC 10610. Seed.  
469657. WC 10611. Seed.  
469658. WC 10612. Seed.  
469659. WC 10613. Seed.  
469660. WC 10614. Seed.  
469661. WC 10615. Seed.  
469662. WC 10616. Seed.  
469663. WC 10617. Seed.  
469664. WC 10618. Seed.  
469665. WC 10619. Seed.  
469666. WC 10620. Seed.  
469667. WC 10621. Seed.  
469668. WC 10622. Seed.  
469669. WC 10623. Seed.  
469670. WC 10624. Seed.  
469671. WC 10625. Seed.  
469672. WC 10626. Seed.  
469673. WC 10627. Seed.  
469674. WC 10628. Seed.  
469675. WC 10629. Seed.

469295 TO 469717-continued

469676. WC 10630. Seed.  
469677. WC 10631. Seed.  
469678. WC 10632. Seed.  
469679. WC 10633. Seed.  
469680. WC 10634. Seed.  
469681. WC 10635. Seed.  
469682. WC 10636. Seed.  
469683. WC 10637. Seed.  
469684. WC 10638. Seed.  
469685. WC 10639. Seed.  
469686. WC 10640. Seed.  
469687. WC 10641. Seed.  
469688. WC 10642. Seed.  
469689. WC 10643. Seed.  
469690. WC 10644. Seed.  
469691. WC 10645. Seed.  
469692. WC 10646. Seed.  
469693. WC 10647. Seed.  
469694. WC 10648. Seed.  
469695. WC 10649. Seed.  
469696. WC 10650. Seed.  
469697. WC 10651. Seed.  
469698. WC 10652. Seed.  
469699. WC 10653. Seed.  
469700. WC 10654. Seed.  
469701. WC 10655. Seed.

469295 TO 469717-continued

- 469702. WC 10656. Seed.
- 469703. WC 10657. Seed.
- 469704. WC 10658. Seed.
- 469705. WC 10659. Seed.
- 469706. WC 10660. Seed.
- 469707. WC 10661. Seed.
- 469708. WC 10662. Seed.
- 469709. WC 10686. Seed.
- 469710. WC 10693. Seed.
- 469711. WC 10839. Seed.
- 469712. WC 10873. Seed.
- 469713. WC 10890. Seed.
- 469714. WC 10952. Seed.
- 469715. WC 10958. Seed.
- 469716. WC 10970. Seed.
- 469717. WC 10999. Seed.

469718. *Sinapis alba* L. (Brassicaceae) White mustard.

From Italy. E. Sgaravatti, Food and Agriculture Organization of  
the United Nations, 00100 - Rome.  
Received July 1982.

58.532. Arda. Germany, Federal Rep of. Stuttgart.  
Pflanzenzucht Stuttgart. Cultivated. Seed.

469719 TO 469722. *Zea mays* L. (Poaceae) Field corn.

From China, Peoples Repub of. Crop Germplasm Research Institute,  
Chinese Academy of Agricultural Sciences, Beijing.  
Received through Dekalb AgResearch, Inc., Dekalb,  
Illinois.  
Received March 1981.

469719. Ludan No. 36. China, Peoples Repub of. Cultivated. Seed.

469719 TO 469722-continued

469720. China, Peoples Repub of. Ludan No. 31 x Luidua No. 112.  
Cob red and white. Seeds yellow. Cultivated. Seed.
469721. China, Peoples Repub of. Ludan No. 31 x Shandong single  
cross. Cultivated. Seed.
469722. Luyandan No. 4. China, Peoples Repub of. Cultivated.  
Seed.

469723. *Sorghum bicolor* (L.) Moench (Poaceae) Sorghum.

From China, Peoples Repub of. Crop Germplasm Research Institute,  
Chinese Academy of Agricultural Science, Beijing.  
Received through Dekalb AgResearch, Inc., Dekalb,  
Illinois.  
Received March 1981.

Boza #1. China, Peoples Repub of. Beijing. Shandong Seed  
Co. Cultivated. Seed.

469724 TO 470087. *Brassica napus* L. (Brassicaceae) Rape.

From Korea, Republic of. P. F. Knowles, Department of Agronomy &  
Range Science, University of California, Davis,  
California.  
Received June 1981.

469724. 79-40. Aomori. Cultivated. Seed.
469725. 79-41. Aomori. Cultivated. Seed.
469726. 79-42. Aomori-1. Cultivated. Seed.
469727. 79-43. Aoyagi. Cultivated. Seed.
469728. 79-44. Armander. Cultivated. Seed.
469729. 79-45. Austria-3. Cultivated. Seed.
469730. 79-46. Azuma. Cultivated. Seed.
469731. 79-47. Azuma 22. Cultivated. Seed.
469732. 79-48. Azuma 156. Cultivated. Seed.
469733. 79-49. Azumasho. Cultivated. Seed.
469734. 79-50. Azumasho. Cultivated. Seed.
469735. 79-51. Bansai. Cultivated. Seed.

469724 TO 470087-continued

- 469736. 79-52. Barplina. Cultivated. Seed.
- 469737. 79-54. Borowski. Cultivated. Seed.
- 469738. 79-55. Buk Wuk 3. Cultivated. Seed.
- 469739. 79-56. Buk Wuk 4. Cultivated. Seed.
- 469740. 79-57. Buk Wuk 7. Cultivated. Seed.
- 469741. 79-58. Buk Wuk 12. Cultivated. Seed.
- 469742. 79-59. Buk Wuk 13. Cultivated. Seed.
- 469743. 79-60. Buk Wuk 14. Cultivated. Seed.
- 469744. 79-61. Buk Wuk 15. Cultivated. Seed.
- 469745. 79-62. Buk Wuk 16. Cultivated. Seed.
- 469746. 79-63. Buk Wuk 17. Cultivated. Seed.
- 469747. 79-64. Buk Wuk 20. Cultivated. Seed.
- 469748. 79-65. Buk Wuk 21. Cultivated. Seed.
- 469749. 79-66. Buk Wuk 23. Cultivated. Seed.
- 469750. 79-67. Buk Wuk 24. Cultivated. Seed.
- 469751. 79-68. Buk Wuk 26. Cultivated. Seed.
- 469752. 79-69. Buk Wuk 27. Cultivated. Seed.
- 469753. 79-392. C73/1262. Cultivated. Seed.
- 469754. 79-70. Cescaljarni repka. Cultivated. Seed.
- 469755. 79-72. Chon nam. Cultivated. Seed.
- 469756. 79-73. Colza. Cultivated. Seed.
- 469757. 79-74. Colza 18 Miroc. Cultivated. Seed.
- 469758. 79-75. Dae cho sen. Cultivated. Seed.
- 469759. 79-76. Dong Buk. Cultivated. Seed.
- 469760. 79-77. Dong Hae. Cultivated. Seed.
- 469761. 79-78. Dong Hae 1. Cultivated. Seed.

469724 TO 470087-continued

- 469762. 79-79. Dong Hae 2. Cultivated. Seed.
- 469763. 79-80. Dong Hae 3. Cultivated. Seed.
- 469764. 79-81. Dong Hae 4. Cultivated. Seed.
- 469765. 79-82. Dong Hae 6. Cultivated. Seed.
- 469766. 79-83. Dong Hae 9. Cultivated. Seed.
- 469767. 79-84. Dong Hae 10. Cultivated. Seed.
- 469768. 79-85. Dong Hae 11. Cultivated. Seed.
- 469769. 79-86. Dong Hae 12. Cultivated. Seed.
- 469770. 79-87. Dong Hae 14. Cultivated. Seed.
- 469771. 79-88. Dong Hae 15. Cultivated. Seed.
- 469772. 79-89. Dong Hae 16. Cultivated. Seed.
- 469773. 79-90. Dong Hae 18. Cultivated. Seed.
- 469774. 79-91. Dong Hae 19. Cultivated. Seed.
- 469775. 79-92. Dong Hae 20. Cultivated. Seed.
- 469776. 79-93. Dong Hae 21. Cultivated. Seed.
- 469777. 79-94. Dong Hae 22. Cultivated. Seed.
- 469778. 79-95. Dong Hae 23. Cultivated. Seed.
- 469779. 79-96. Dong Hae 24. Cultivated. Seed.
- 469780. 79-97. Dong Hae 25. Cultivated. Seed.
- 469781. 79-98. Drawft. Cultivated. Seed.
- 469782. 79-99. Drawft. Cultivated. Seed.
- 469783. 79-100. Dwarf essex. Cultivated. Seed.
- 469784. 79-102. Eckendorfer Mali. Cultivated. Seed.
- 469785. 79-104. Englu. Cultivated. Seed.
- 469786. 79-103. Enshu. Cultivated. Seed.
- 469787. 79-105. Expander. Cultivated. Seed.

469724 TO 470087-continued

- 469788. 79-106. Fertodi. Cultivated. Seed.
- 469789. 79-107. Fonto. Cultivated. Seed.
- 469790. 79-108. Fonto. Cultivated. Seed.
- 469791. 79-109. France 1. France. Cultivated. Seed.
- 469792. 79-110. France 2. France. Cultivated. Seed.
- 469793. 79-111. France 3. France. Cultivated. Seed.
- 469794. 79-112. France 5. France. Cultivated. Seed.
- 469795. 79-113. France 6. France. Cultivated. Seed.
- 469796. 79-114. France 8. France. Cultivated. Seed.
- 469797. 79-115. France 9. France. Cultivated. Seed.
- 469798. 79-116. France 10. France. Cultivated. Seed.
- 469799. 79-117. France 11. France. Cultivated. Seed.
- 469800. 79-118. France 12. France. Cultivated. Seed.
- 469801. 79-119. Fuji. Cultivated. Seed.
- 469802. 79-120. Gebr Dippes. Cultivated. Seed.
- 469803. 79-121. Germany. Germany, Federal Rep of. Cultivated. Seed.
- 469804. 79-122. Germany. Germany, Federal Rep of. Cultivated. Seed.
- 469805. 79-123. Giant rape. Cultivated. Seed.
- 469806. 79-124. Giant rape. Cultivated. Seed.
- 469807. 79-125. Gogane. Cultivated. Seed.
- 469808. 79-126. Gokstad. Cultivated. Seed.
- 469809. 79-127. Gokstad. Cultivated. Seed.
- 469810. 79-128. Gorozanski. Cultivated. Seed.
- 469811. 79-129. Gorozanski. Cultivated. Seed.
- 469812. 79-132. Gylle. Cultivated. Seed.

469724 TO 470087-continued

- 469813. 79-133. Gylle. Cultivated. Seed.
- 469814. 79-134. Hamburg. Cultivated. Seed.
- 469815. 79-135. Hamburg 1. Cultivated. Seed.
- 469816. 79-136. Hok Kaidoshu. Cultivated. Seed.
- 469817. 79-137. Host rape regel. Cultivated. Seed.
- 469818. 79-138. Hwa 318. Cultivated. Seed.
- 469819. 79-139. Isek urodane. Cultivated. Seed.
- 469820. 79-140. Iwao natane. Cultivated. Seed.
- 469821. 79-141. Iwao natane. Cultivated. Seed.
- 469822. 79-142. Iwashiro-natane. Cultivated. Seed.
- 469823. 79-143. Iwawoochi. Cultivated. Seed.
- 469824. 79-144. Iwawoochi. Cultivated. Seed.
- 469825. 79-147. Janetzki. Cultivated. Seed.
- 469826. 79-145. Janetzki. Cultivated. Seed.
- 469827. 79-146. Jeju. Cultivated. Seed.
- 469828. 79-148. Kani. Cultivated. Seed.
- 469829. 79-149. Karafuto. Cultivated. Seed.
- 469830. 79-150. Kasuya. Cultivated. Seed.
- 469831. 79-151. Kasuyashu. Cultivated. Seed.
- 469832. 79-152. Kinki #18. Cultivated. Seed.
- 469833. 79-154. Kinki #20. Cultivated. Seed.
- 469834. 79-155. Kinki #21. Cultivated. Seed.
- 469835. 79-156. Kinki 22. Cultivated. Seed.
- 469836. 79-157. Kinki 28. Cultivated. Seed.
- 469837. 79-158. Kinki 29. Cultivated. Seed.
- 469838. 79-159. Kinki 30. Cultivated. Seed.



469724 TO 470087-continued

- 469839. 79-161. Kinki wase. Cultivated. Seed.
- 469840. 79-153. Klinki. Cultivated. Seed.
- 469841. 79-163. Koubun. Cultivated. Seed.
- 469842. 79-164. Kraphhauser. Cultivated. Seed.
- 469843. 79-165. Kritmar rape. Cultivated. Seed.
- 469844. 79-204. Kritmar rape. Cultivated. Seed.
- 469845. 79-166. Kuju. Cultivated. Seed.
- 469846. 79-167. Kuju 4. Cultivated. Seed.
- 469847. 79-168. Kuju 7. Cultivated. Seed.
- 469848. 79-169. Kuju 8. Cultivated. Seed.
- 469849. 79-170. Kuju 9. Cultivated. Seed.
- 469850. 79-171. Kuju 11. Cultivated. Seed.
- 469851. 79-172. Kuju 13. Cultivated. Seed.
- 469852. 79-173. Kuju 15. Cultivated. Seed.
- 469853. 79-174. Kuju 16. Cultivated. Seed.
- 469854. 79-175. Kuju 17. Cultivated. Seed.
- 469855. 79-176. Kuju 18. Cultivated. Seed.
- 469856. 79-177. Kuju 19. Cultivated. Seed.
- 469857. 79-178. Kuju 22. Cultivated. Seed.
- 469858. 79-179. Kuju 24. Cultivated. Seed.
- 469859. 79-180. Kuju 25. Cultivated. Seed.
- 469860. 79-181. Kuju 26. Cultivated. Seed.
- 469861. 79-182. Kuju 27. Cultivated. Seed.
- 469862. 79-183. Kuju 29. Cultivated. Seed.
- 469863. 79-184. Kuju 32. Cultivated. Seed.
- 469864. 79-185. Kuju 33. Cultivated. Seed.

**469724 TO 470087-continued**

- 469865. 79-186. Kuju 35. Cultivated. Seed.
- 469866. 79-187. Kuju 36. Cultivated. Seed.
- 469867. 79-188. Kuju 37. Cultivated. Seed.
- 469868. 79-189. Kuju 39. Cultivated. Seed.
- 469869. 79-190. Kuju 40. Cultivated. Seed.
- 469870. 79-191. Kuju 41. Cultivated. Seed.
- 469871. 79-192. Kuju 45. Cultivated. Seed.
- 469872. 79-193. Kuju 47. Cultivated. Seed.
- 469873. 79-194. Kuju 48. Cultivated. Seed.
- 469874. 79-195. Kuju 49. Cultivated. Seed.
- 469875. 79-196. Kuju 51. Cultivated. Seed.
- 469876. 79-197. Kuju 52. Cultivated. Seed.
- 469877. 79-198. Kuju 54. Cultivated. Seed.
- 469878. 79-199. Kuju 55. Cultivated. Seed.
- 469879. 79-200. Kuju 56. Cultivated. Seed.
- 469880. 79-201. Kuju 57. Cultivated. Seed.
- 469881. 79-202. Kuju 58. Cultivated. Seed.
- 469882. 79-203. Kutkowski. Cultivated. Seed.
- 469883. 79-205. Lembkes. Cultivated. Seed.
- 469884. 79-206. Lembkes. Cultivated. Seed.
- 469885. 79-207. Lembkes malchower. Cultivated. Seed.
- 469886. 79-208. Lenora. Seeds large. Cultivated. Seed.
- 469887. 79-209. Lieikoposki. Cultivated. Seed.
- 469888. 79-210. Lifura. Cultivated. Seed.
- 469889. 79-211. Linus. Cultivated. Seed.
- 469890. 79-417. Maintainer for GHR MS. Cultivated. Seed.

469724 TO 470087-continued

- 469891. 79-212. Major. Cultivated. Seed.
- 469892. 79-213. Mulchower. Cultivated. Seed.
- 469893. 79-214. Mulchower. Cultivated. Seed.
- 469894. 79-215. Mali. Cultivated. Seed.
- 469895. 79-216. Man seng. Cultivated. Seed.
- 469896. 79-217. Mang woon. Cultivated. Seed.
- 469897. 79-218. Marcus. Cultivated. Seed.
- 469898. 79-219. Marcus. Cultivated. Seed.
- 469899. 79-220. Matador. Cultivated. Seed.
- 469900. 79-393. Matador. Cultivated. Seed.
- 469901. 79-221. Miekuro Dane. Cultivated. Seed.
- 469902. 79-222. Miochowski. Cultivated. Seed.
- 469903. 79-223. Mihonatane. Cultivated. Seed.
- 469904. 79-224. Mijagi bansai. Cultivated. Seed.
- 469905. 79-225. Mokpo #2. Cultivated. Seed.
- 469906. 79-226. Mokpo 2. Cultivated. Seed.
- 469907. 79-227. Mokpo #3. Cultivated. Seed.
- 469908. 79-228. Mokpo 3. Cultivated. Seed.
- 469909. 79-229. Mokpo #4. Cultivated. Seed.
- 469910. 79-230. Mokpo 4. Cultivated. Seed.
- 469911. 79-231. Mokpo 5. Cultivated. Seed.
- 469912. 79-232. Mokpo 6. Cultivated. Seed.
- 469913. 79-233. Mokpo 7. Cultivated. Seed.
- 469914. 79-234. Mokpo 8. Cultivated. Seed.
- 469915. 79-235. Mokpo 9. Cultivated. Seed.
- 469916. 79-236. Mokpo 10. Cultivated. Seed.

469724 TO 470087-continued

469917. 79-237. Mokpo 13. Cultivated. Seed.  
469918. 79-243. Mokpo 14. Cultivated. Seed.  
469919. 79-244. Mokpo 15. Cultivated. Seed.  
469920. 79-245. Mokpo 16. Cultivated. Seed.  
469921. 79-246. Mokpo 17. Cultivated. Seed.  
469922. 79-247. Mokpo 18. Cultivated. Seed.  
469923. 79-248. Mokpo 19. Cultivated. Seed.  
469924. 79-249. Mokpo 21. Cultivated. Seed.  
469925. 79-250. Mokpo 22. Cultivated. Seed.  
469926. 79-251. Mokpo 23. Cultivated. Seed.  
469927. 79-252. Mokpo 24. Cultivated. Seed.  
469928. 79-253. Mokpo 25. Cultivated. Seed.  
469929. 79-254. Mokpo 26. Cultivated. Seed.  
469930. 79-255. Mokpo 27. Cultivated. Seed.  
469931. 79-256. Mokpo 28. Cultivated. Seed.  
469932. 79-238. Mokpo #29. Cultivated. Seed.  
469933. 79-257. Mokpo 30. Cultivated. Seed.  
469934. 79-239. Mokpo #32. Cultivated. Seed.  
469935. 79-240. Mokpo #33. Cultivated. Seed.  
469936. 79-241. Mokpo #38. Cultivated. Seed.  
469937. 79-242. Mokpo #40. Cultivated. Seed.  
469938. 79-258. MR 1. Cultivated. Seed.  
469939. 79-259. Mu.che!. Cultivated. Seed.  
469940. 79-260. Murame nadame. Cultivated. Seed.  
469941. 79-261. Mura yamasho. Cultivated. Seed.  
469942. 79-262. Mutsumi. Cultivated. Seed.

469724 TO 470087-continued

- 469943. 79-402. N001-28-246-5-4. Cultivated. Seed.
- 469944. 79-263. Nabo. Cultivated. Seed.
- 469945. 79-264. Niedera-rubacher. Cultivated. Seed.
- 469946. 79-265. Nilla glossy. Cultivated. Seed.
- 469947. 79-266. Nilla: 1022. Cultivated. Seed.
- 469948. 79-267. Noda 1. Cultivated. Seed.
- 469949. 79-269. Norin #1. Japan. Cultivated. Seed.
- 469950. 79-270. Norin #1. Japan. Cultivated. Seed.
- 469951. 79-271. Norin #2. Japan. Cultivated. Seed.
- 469952. 79-272. Norin 2. Japan. Cultivated. Seed.
- 469953. 79-273. Norin #3. Japan. Cultivated. Seed.
- 469954. 79-274. Norin 3. Japan. Cultivated. Seed.
- 469955. 79-275. Norin #4. Japan. Cultivated. Seed.
- 469956. 79-276. Norin 4. Japan. Cultivated. Seed.
- 469957. 79-277. Norin #5. Japan. Cultivated. Seed.
- 469958. 79-278. Norin 5. Japan. Cultivated. Seed.
- 469959. 79-279. Norin #6. Japan. Cultivated. Seed.
- 469960. 79-280. Norin 6. Japan. Cultivated. Seed.
- 469961. 79-281. Norin 8. Japan. Cultivated. Seed.
- 469962. 79-282. Norin 9. Japan. Cultivated. Seed.
- 469963. 79-283. Norin 10. Japan. Cultivated. Seed.
- 469964. 79-284. Norin 11. Japan. Cultivated. Seed.
- 469965. 79-285. Norin 12. Japan. Cultivated. Seed.
- 469966. 79-286. Norin 13. Japan. Cultivated. Seed.
- 469967. 79-287. Norin 14. Japan. Cultivated. Seed.
- 469968. 79-288. Norin 15. Japan. Cultivated. Seed.

469724 TO 470087-continued

469969. 79-289. Norin #15. Japan. Cultivated. Seed.  
469970. 79-291. Norin #17. Japan. Cultivated. Seed.  
469971. 79-292. Norin 17. Japan. Cultivated. Seed.  
469972. 79-293. Norin 18. Japan. Cultivated. Seed.  
469973. 79-294. Norin 19. Japan. Cultivated. Seed.  
469974. 79-295. Norin 20 (michinoku natane). Japan. Cultivated.  
Seed.  
469975. 79-296. Norin 21. Japan. Cultivated. Seed.  
469976. 79-297. Norin #21. Japan. Cultivated. Seed.  
469977. 79-298. Norin #22. Japan. Cultivated. Seed.  
469978. 79-299. Norin 22. Japan. Cultivated. Seed.  
469979. 79-300. Norin #25. Japan. Cultivated. Seed.  
469980. 79-301. Norin #26. Japan. Cultivated. Seed.  
469981. 79-302. Norin 26. Japan. Cultivated. Seed.  
469982. 79-303. Norin 27. Japan. Cultivated. Seed.  
469983. 79-304. Norin 28. Japan. Cultivated. Seed.  
469984. 79-305. Norin 29. Japan. Cultivated. Seed.  
469985. 79-306. Norin 30. Japan. Cultivated. Seed.  
469986. 79-307. Norin 31. Japan. Cultivated. Seed.  
469987. 79-308. Norin 31 (Gogane). Japan. Cultivated. Seed.  
469988. 79-309. Norin 32 (Tokiwa). Japan. Cultivated. Seed.  
469989. 79-310. Norin 33. Japan. Cultivated. Seed.  
469990. 79-311. Norin #33. Japan. Cultivated. Seed.  
469991. 79-312. Norin 34. Japan. Cultivated. Seed.  
469992. 79-313. Norin 35. Japan. Cultivated. Seed.  
469993. 79-314. Norin 36. Japan. Cultivated. Seed.  
469994. 79-315. Norin 37. Japan. Cultivated. Seed.

469724 TO 470087-continued

- 469995. 79-316. Norin 39. Japan. Cultivated. Seed.
- 469996. 79-317. Norin 40. Japan. Cultivated. Seed.
- 469997. 79-318. Norin 41. Japan. Cultivated. Seed.
- 469998. 79-319. Norin 42. Japan. Cultivated. Seed.
- 469999. 79-320. Nugget. Cultivated. Seed.
- 470000. 79-321. Oleifera. Cultivated. Seed.
- 470001. 79-322. Olguell. Cultivated. Seed.
- 470002. 79-323. Panter. Cultivated. Seed.
- 470003. 79-324. Petanova-lihonova. Cultivated. Seed.
- 470004. 79-325. Poland 1. Poland. Cultivated. Seed.
- 470005. 79-326. Poland 3. Poland. Cultivated. Seed.
- 470006. 79-327. Poland 4. Poland. Cultivated. Seed.
- 470007. 79-328. Poland 5. Poland. Seeds large. Cultivated. Seed.
- 470008. 79-329. Polnoslaski. Cultivated. Seed.
- 470009. 79-330. Primer. Cultivated. Seed.
- 470010. 79-331. R. Creeus. Cultivated. Seed.
- 470011. 79-332. R. janus. Cultivated. Seed.
- 470012. 79-333. Ramses. Cultivated. Seed.
- 470013. 79-334. Rang. Cultivated. Seed.
- 470014. 79-335. Rang. Cultivated. Seed.
- 470015. 79-338. Rapifera. Cultivated. Seed.
- 470016. 79-336. Rapol. Seeds large. Cultivated. Seed.
- 470017. 79-337. Rapol. Cultivated. Seed.
- 470018. 79-352. RD-6. Spring type. Cultivated. Seed.
- 470019. 79-339. Regal. Cultivated. Seed.
- 470020. 79-340. Rumania 1. Romania. Cultivated. Seed.

469724 TO 470087-continued

- 470021. 79-341. Russia 5. Soviet Union. Cultivated. Seed.
- 470022. 79-342. Russia 6. Soviet Union. Cultivated. Seed.
- 470023. 79-343. Salamander. Cultivated. Seed.
- 470024. 79-344. Sapporo. Cultivated. Seed.
- 470025. 79-345. Scherwitz. Cultivated. Seed.
- 470026. 79-346. Sei yoshu. Cultivated. Seed.
- 470027. 79-347. Sznes zowicki. Cultivated. Seed.
- 470028. 79-348. Skrzyszowicki. Seeds large. Cultivated. Seed.
- 470029. 79-351. Spote zollerngold. Cultivated. Seed.
- 470030. 79-416. SR-37 IGHR MS. Cultivated. Seed.
- 470031. 79-357. Su weon cheg. Cultivated. Seed.
- 470032. 79-359. S. V. Gulle. Cultivated. Seed.
- 470033. 79-358. Svalof gullen. Cultivated. Seed.
- 470034. 79-361. Svalof victoria. Cultivated. Seed.
- 470035. 79-363. Synra. Cultivated. Seed.
- 470036. 79-364. Taichang. Cultivated. Seed.
- 470037. 79-365. Taichang. Cultivated. Seed.
- 470038. 79-366. Taiwan. China, Republic of. Cultivated. Seed.
- 470039. 79-367. Taiwan. China, Republic of. Cultivated. Seed.
- 470040. 79-368. Taiwan #2. China, Republic of. Cultivated. Seed.
- 470041. 79-369. Taiwan 2. China, Republic of. Cultivated. Seed.
- 470042. 79-370. Taiwan natine. China, Republic of. Cultivated. Seed.
- 470043. 79-371. Takegis MS. Cultivated. Seed.
- 470044. 79-372. Tanka. Cultivated. Seed.
- 470045. 79-373. Target. Cultivated. Seed.
- 470046. 79-374. Titus. Cultivated. Seed.



469724 TO 470087-continued

- 470047. 79-375. Titus. Cultivated. Seed.
- 470048. 79-376. Todane. Cultivated. Seed.
- 470049. 79-377. Tokiwa. Cultivated. Seed.
- 470050. 79-378. Tonus. Cultivated. Seed.
- 470051. 79-379. Tosharshu. Cultivated. Seed.
- 470052. 79-380. Trebicska (ozima repka). Cultivated. Seed.
- 470053. 79-381. Tsukushishu. Cultivated. Seed.
- 470054. 79-383. Wasefuji. Cultivated. Seed.
- 470055. 79-384. Weal Dong Cho. Cultivated. Seed.
- 470056. 79-385. Weibulls margo. Cultivated. Seed.
- 470057. 79-386. Wielkoposki. Cultivated. Seed.
- 470058. 79-387. Willa. Cultivated. Seed.
- 470059. 79-388. Willa. Cultivated. Seed.
- 470060. 79-394. Yong dang. Cultivated. Seed.
- 470061. 79-395. Yonkkaichi kwo. Cultivated. Seed.
- 470062. 79-396. Yonkokuban. Cultivated. Seed.
- 470063. 79-397. Yonkoku ban. Cultivated. Seed.
- 470064. 79-398. Yuche Tac man. Cultivated. Seed.
- 470065. 79-399. Yudal. Cultivated. Seed.
- 470066. 79-400. Yudal. Cultivated. Seed.
- 470067. 79-414. 4x8-1-1. Cultivated. Seed.
- 470068. 79-401. 65/685. Cultivated. Seed.
- 470069. 79-391. 72/438/5. Cultivated. Seed.
- 470070. 79-354. 72/891. Spring type. Cultivated. Seed.
- 470071. 79-415. 651-685. Cultivated. Seed.
- 470072. 79-403. 7002-2B-41-1. Cultivated. Seed.

469724 TO 470087-continued

- 470073. 79-404. 7003-2B-23-1. Cultivated. Seed.
- 470074. 79-405. 7003-2B-36. Cultivated. Seed.
- 470075. 79-406. 7003-2B-38. Cultivated. Seed.
- 470076. 79-407. 7006-2B-13-2. Cultivated. Seed.
- 470077. 79-408. 7008-2B-36. Cultivated. Seed.
- 470078. 79-409. 7008-2B-36-1. Cultivated. Seed.
- 470079. 79-410. 7008-2B-226-5-3. Cultivated. Seed.
- 470080. 79-412. 7115-2B-28. Cultivated. Seed.
- 470081. 79-413. 7115-2B-70. Cultivated. Seed.
- 470082. 79-411. 7123-2B-14-1. Cultivated. Seed.
- 470083. 79-71. Club root resistant. Cultivated. Seed.
- 470084. 79-353. Spring type. Cultivated. Seed.
- 470085. 79-355. Spring type. Cultivated. Seed.
- 470086. 79-389. Cultivated. Seed.
- 470087. 79-390. Cultivated. Seed.

470088. *Nicotiana tabacum* L. (Solanaceae) Tobacco.

From Australia. C.S.I.R.O., Division of Plant Industry, Canberra,  
A.C.T. 2601.  
Received April 1982.

Xanthi. Australia. Cultivated. Seed.

470089 TO 470096. *Beta vulgaris* L. (Chenopodiaceae) Sugarbeet.

From United Kingdom. Bush Johnsons, Breeders & Producers of Sugar  
Beet Seed, Maldon, Essex CM9 6SN.  
Received December 1981.

- 470089. 1059. Germany, Federal Rep of. Selection from  
Kleinwanzleben z. Multigerm diploid. Cultivated. Seed.
- 470090. 2046. United Kingdom. Selection from Bush E. Multigerm  
diploid. Cultivated. Seed.

470089 TO 470096-continued

- 470091. 2407. United Kingdom. Selection from Camkilt. Multigerm diploid. Cultivated. Seed.
- 470092. 2408. United Kingdom. Selection from Hilleshog N. Multigerm diploid. Cultivated. Seed.
- 470093. 2423. Hungary. Inbred selection from Hungarian 11351/3. Multigerm diploid. Virus tolerant. Cultivated. Breeding Material. Seed.
- 470094. 2424. United States. Inbred selection from American G. Multigerm diploid. Virus tolerant. Cultivated. Breeding Material. Seed.
- 470095. 2425. Hungary. Inbred selection from Hungarian 11351/3. Multigerm diploid. Virus tolerant. Cultivated. Breeding Material. Seed.
- 470096. 2427. Multigerm diploid. Virus tolerant. Cultivated. Breeding Material. Seed.

470097 TO 470220. Triticum hybrid (Poaceae).

From Yugoslavia. Dept. of Genetics and Plant Breeding, University of Zagreb, 41000 Zagreb.  
Received December 1981.

- 470097. ZG R-line 1756-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/Prof. Marchal. Contains T. aestivum cytoplasm. Breeding Material. Seed.
- 470098. ZG R-line 1761-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/Prof. Marchal. Contains T. aestivum cytoplasm. Breeding Material. Seed.
- 470099. ZG R-line 1766-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/Prof. Marchal. Contains T. aestivum cytoplasm. Breeding Material. Seed.
- 470100. ZG R-line 1772-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/Prof. Marchal. Contains T. aestivum cytoplasm. Breeding Material. Seed.
- 470101. ZG R-line 1777-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/Prof. Marchal. Contains T. aestivum cytoplasm. Breeding Material. Seed.
- 470102. ZG R-line 1784-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/Prof. Marchal. Contains T. aestivum cytoplasm. Breeding Material. Seed.

470097 TO 470220-continued

470103. ZG R-line 1788-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/Prof. Marchal. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470104. ZG R-line 1789-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/Prof. Marchal. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470105. ZG R-line 1790-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Bison-R/Nebraska-R. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470106. ZG R-line 1791-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Bison-R/Nebraska-R. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470107. ZG R-line 1795-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Bison-R/Nebraska-R. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470108. ZG R-line 1797-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Bison-R/Nebraska-R. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470109. ZG R-line 1798-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Bison-R/Nebraska-R. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470110. ZG R-line 1800-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Bison-R/Nebraska-R. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470111. ZG R-line 1802-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Bison-R/Nebraska-R. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470112. ZG R-line 1805-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Bison-R/Nebraska-R. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470113. ZG R-line 1811-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470114. ZG R-line 1813-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470115. ZG R-line 1823-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.

470097 TO 470220-continued

470116. ZG R-line 1826-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470117. ZG R-line 1828-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470118. ZG R-line 1832-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470119. ZG R-line 1833-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470120. ZG R-line 1836-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470121. ZG R-line 1838-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470122. ZG R-line 1839-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470123. ZG R-line 1843-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470124. ZG R-line 1844-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470125. ZG R-line 1853-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470126. ZG R-line 1857-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470127. ZG R-line 1865-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.
470128. ZG R-line 1866-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Primepi/PI 277013. Contains *T. aestivum* cytoplasm. Breeding Material. Seed.

470097 TO 470220-continued

470129. ZG R-line 1896-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Palmaress/Primepi/CIMMYT-R. Contains T. aestivum cytoplasm. Breeding Material. Seed.
470130. ZG R-line 1910-81. Yugoslavia. Partizanka/3/mst-Bezostaya 1//Palmaress/Primepi/CIMMYT-R. Contains T. aestivum cytoplasm. Breeding Material. Seed.
470131. ZG R-line 1934-81. Yugoslavia. Zg 2470-74/3/mst-Bezostaya 1//Primepi/Prof. Marchal. Contains T. aestivum cytoplasm. Breeding Material. Seed.
470132. ZG R-line 1945-81. Yugoslavia. Zg 2470-74/3/mst-Bezostaya 1//Primepi/Prof. Marchal. Contains T. aestivum cytoplasm. Breeding Material. Seed.
470133. ZG R-line 2097-81. Yugoslavia. Zg 2470-74/3/mst-Bezostaya 1//Primepi/PI 277013. Contains T. aestivum cytoplasm. Breeding Material. Seed.
470134. ZG R-line 2031-81. Yugoslavia. Zg 2470-74/3/mst-Bezostaya 1//Primepi/PI 277013. Contains T. aestivum cytoplasm. Breeding Material. Seed.
470135. ZG R-line 2044-81. Yugoslavia. Zg 2470-74/3/mst-Bezostaya 1//Primepi/PI 277013. Contains T. aestivum cytoplasm. Breeding Material. Seed.
470136. ZG R-line 2072-81. Yugoslavia. Zg 2470-74/3/mst-Bezostaya 1//Primepi/PI 277013. Contains T. aestivum cytoplasm. Breeding Material. Seed.
470137. ZG R-line 2167-81. Yugoslavia. CIMMYT-R/Prof. Marchal. Contains T. timopheevii cytoplasm. Breeding Material. Seed.
470138. ZG R-line 2338-81. Yugoslavia. CIMMYT-R/Prof. Marchal. Contains T. timopheevii cytoplasm. Breeding Material. Seed.
470139. ZG R-line 2178/81. Yugoslavia. CIMMYT-R//mst-Mironovskaya 808/Prof. Marchal. Contains T. timopheevii cytoplasm. Breeding Material. Seed.
470140. ZG R-line 2179-81. Yugoslavia. CIMMYT-R//mst-Mironovskaya 808/Prof. Marchal. Contains T. timopheevii cytoplasm. Breeding Material. Seed.
470141. ZG R-line 2185-81. Yugoslavia. CIMMYT-R//mst-Mironovskaya 808/Prof. Marchal. Contains T. timopheevii cytoplasm. Breeding Material. Seed.

470097 TO 470220-continued

470142. ZG R-line 2186-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470143. ZG R-line 2190-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470144. ZG R-line 2193-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470145. ZG R-line 2214-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470146. ZG R-line 2236-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470147. ZG R-line 2255-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470148. ZG R-line 2256-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470149. ZG R-line 2260-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470150. ZG R-line 2261-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470151. ZG R-line 2270-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470152. ZG R-line 2274-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470153. ZG R-line 2279-81. Yugoslavia. CIMMYT-R//mst-  
Mironovskaya 808/Prof. Marchal. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470154. ZG R-line 2308-81. Yugoslavia. CIMMYT-R/3/T.timopheevii/  
2+Marquis//4+Mironovskaya 808. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.

470097 TO 470220-continued

470155. ZG R-line 2466-81. Yugoslavia. CIMMYT-R/3/T.timopheevii/  
2+Marquis//4+Mironovskaya 808. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470156. ZG R-line 2474-81. Yugoslavia. CIMMYT-R/3/T.timopheevii/  
2+Marquis//4+Mironovskaya 808. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470157. ZG R-line 3286-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470158. ZG R-line 3287-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470159. ZG R-line 3288-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470160. ZG R-line 3289-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470161. ZG R-line 3294-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470162. ZG R-line 3299-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470163. ZG R-line 3301-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470164. ZG R-line 3303-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470165. ZG R-line 3305-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470166. ZG R-line 3307-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470167. ZG R-line 3308-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.



470097 TO 470220-continued

470168. ZG R-line 3309-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470169. ZG R-line 3312-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470170. ZG R-line 3316-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470171. ZG R-line 3317-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470172. ZG R-line 3318-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470173. ZG R-line 3319-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470174. ZG R-line 3321-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470175. ZG R-line 3323-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470176. ZG R-line 3325-81. Yugoslavia. mst-Rannaya 12/3/  
Palmaress//Primepi/CIMMYT-R. Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470177. ZG R-line 2489-81. Yugoslavia. mst-Bezostaya 1 \*2/  
Primepi. Contains T. timopheevii cytoplasm. Breeding  
Material. Seed.
470178. ZG R-line 2500-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
PI 277013. Contains T. timopheevii cytoplasm. Breeding  
Material. Seed.
470179. ZG R-line 2507-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
PI 277013. Contains T. timopheevii cytoplasm. Breeding  
Material. Seed.
470180. ZG R-line 2512-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
PI 277013. Contains T. timopheevii cytoplasm. Breeding  
Material. Seed.

470097 TO 470220-continued

470181. ZG R-line 2528-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
PI 277016. Contains T. timopheevii cytoplasm. Breeding  
Material. Seed.
470182. ZG R-line 2533-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
PI 277016. Contains T. timopheevii cytoplasm. Breeding  
Material. Seed.
470183. ZG R-line 2544-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
PI 277016. Contains T. timopheevii cytoplasm. Breeding  
Material. Seed.
470184. ZG R-line 2552-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Lot 2(ZG2126-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470185. ZG R-line 2558-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Lot 2(ZG2126-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470186. ZG R-line 2561-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Lot 2(ZG2126-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470187. ZG R-line 2569-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Lot 2(ZG2126-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470188. ZG R-line 2577-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Lot 2(ZG2126-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470189. ZG R-line 2585-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Lot 2(ZG2126-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470190. ZG R-line 2590-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Lot 2(ZG2126-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470191. ZG R-line 2597-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2146-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470192. ZG R-line 2607-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2146-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470193. ZG R-line 2613-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2146-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.

470097 TO 470220-continued

470194. ZG R-line 2632-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2146-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470195. ZG R-line 2644-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2146-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470196. ZG R-line 2652-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2152-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470197. ZG R-line 2656-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2152-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470198. ZG R-line 2671-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2152-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470199. ZG R-line 2671A-81. Yugoslavia. mst-Bezostaya 1/  
/Primepi/Nebraska-R(ZG2152-73). Contains T. timopheevii  
cytoplasm. Breeding Material. Seed.
470200. ZG R-line 2693-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2152-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470201. ZG R-line 2702-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2152-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470202. ZG R-line 2708-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2152-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470203. ZG R-line 2713-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2152-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470204. ZG R-line 2725-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470205. ZG R-line 2729-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470206. ZG R-line 2732-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.

470097 TO 470220-continued

470207. ZG R-line 2736-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470208. ZG R-line 2742-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470209. ZG R-line 2756-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470210. ZG R-line 2764-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470211. ZG R-line 2779-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470212. ZG R-line 2787-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470213. ZG R-line 2818-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470214. ZG R-line 2824-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470215. ZG R-line 2827-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470216. ZG R-line 2845-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470217. ZG R-line 2855-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470218. ZG R-line 2866-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.
470219. ZG R-line 2869-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.

470097 TO 470220-continued

470220. ZG R-line 2885-81. Yugoslavia. mst-Bezostaya 1//Primepi/  
Nebraska-R(ZG2153-73). Contains T. timopheevii cytoplasm.  
Breeding Material. Seed.

470221 TO 470227. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Shenyang Agricultural College,  
Shenyang, Liaoning Province. Received through L. Kolmer &  
W. Fehr, College of Agriculture, Iowa State Univ.  
Received July 1982.

470221. Kei-Yu 8. China, Peoples Repub of. Cultivated. Seed.

470222. Shen Nong 252. China, Peoples Repub of. Cultivated. Seed.

470223. Shen Nong 906. China, Peoples Repub of. Cultivated. Seed.

470224. Shen Nong 7224. China, Peoples Repub of. Cultivated.  
Seed.

470225. Shen Nong 75-15. China, Peoples Repub of. Cultivated.  
Seed.

470226. Shen Nong 25108. China, Peoples Repub of. Cultivated.  
Seed.

470227. China, Peoples Repub of. Landrace. Seed.

470228. *Vigna radiata* (L.) Wilczek (Fabaceae) Mungbean.

From China, Republic of. Asian Vegetable Research & Development  
Center, Shanhua, Tainan, 741.  
Received July 1982.

VC 1628 A. 'Tainan No. 3'. CES 1D-21/PHLV 18. Cultivar.  
Seed.

470229 TO 470237. *Coffea arabica* L. (Rubiaceae) Coffee.

From Brazil. A. Carvalho, Instituto Agronomico de Campinas, 1.481  
- Campinas, Sao Paulo.  
Received August 1982.

470229. C 1661-1. Brazil. Resistant to different races of coffee  
rust. Perennial Woody. Cultivated. Breeding Material.  
Seed.

470230. C 1668-29-2. Brazil. Resistant to different races of  
coffee rust. Perennial Woody. Cultivated. Breeding

470229 TO 470237-continued

Material. Seed.

470231. C 1684-1. Brazil. Resistant to different races of coffee rust. Perennial Woody. Cultivated. Breeding Material. Seed.
470232. C 1699-24. Brazil. Resistant to different races of coffee rust. Perennial Woody. Cultivated. Breeding Material. Seed.
470233. C 1700-9. Brazil. Resistant to different races of coffee rust. Perennial Woody. Cultivated. Breeding Material. Seed.
470234. C 2477-11. Brazil. Resistant to different races of coffee rust. Perennial Woody. Cultivated. Breeding Material. Seed.
470235. C 2498-6. Brazil. Resistant to different races of coffee rust. Perennial Woody. Cultivated. Breeding Material. Seed.
470236. L C 1669. Brazil. Resistant to different races of coffee rust. Perennial Woody. Cultivated. Breeding Material. Seed.
470237. L C 1662-53. Brazil. Resistant to different races of coffee rust. Perennial Woody. Cultivated. Breeding Material. Seed.

470238. *Arachis hypogaea* L. (Fabaceae) Peanut.

From India. Mahatma Phule Krishi Vidyapeeth Agricultural Research Station, Jalgaon, Maharashtra State.  
Received July 1982.

'JL 24'. India. Spanish type. Maturity early. Yield high. Cultivar. Seed.

470239. *Allium cepa* L. (Amaryllidaceae).

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington.  
Received October 1981.

DB 36. Indonesia. Palu, Central Sulawesi. Horticulture Research Station. Collected June 10, 1981. Local type. Cultivar. Bulbs.

470240. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Indonesia. D. R. Bienz, Department of Horticulture,  
Washington State University, Pullman, Washington.  
Received October 1981.

DB 34. Indonesia. Collected June 13, 1981. Waslan  
village, N. Sulawesi, 1000m north of Manado. Plants  
vigorous, local type. Seeds longer than most peanuts.  
Cultivated. Seed.

470241. *Brassica juncea* (L.) Czern. & Coss. (Brassicaceae) Indian  
mustard.

From Indonesia. D. R. Bienz, Department of Horticulture,  
Washington State University, Pullman, Washington.  
Received October 1981.

DB 15. Indonesia. Collected June 05, 1981. Purchased in  
Martapura, S. Kalimantan. Local type. Very common spinach  
crop. Local name Sawi. Cultivated. Seed.

470242. *Canavalia ensiformis* (L.) DC. (Fabaceae) Jackbean.

From Indonesia. D. R. Bienz, Department of Horticulture,  
Washington State University, Pullman, Washington.  
Received October 1981.

DB 10. Indonesia. Collected June 05, 1981. Market,  
Martapura, S. Kalimantan. Local type. Pods approximately  
30cm long. Cultivated. Seed.

470243 TO 470244. *Capsicum annuum* L. (Solanaceae).

From Indonesia. D. R. Bienz, Department of Horticulture,  
Washington State University, Pullman, Washington.  
Received October 1981.

470243. DB 15. Indonesia. Collected June 05, 1981. Purchased in  
Martapura, S. Kalimantan. Plants to 1 m tall. Fruits 3cm  
long, extremely hot. Local name Chili. Cultivated. Seed.

470244. DB 27. Indonesia. Collected June 10, 1981. Near  
Horticulture Research Station, Palu, S. Sulawesi. Plants  
woody, 1 m tall. Peppers red and green, 1-2cm long. Local  
name Chili. Cultivated. Seed.

470245. *Capsicum* sp. (Solanaceae).

From Indonesia. D. R. Bienz, Department of Horticulture,

**470245-continued**

Washington State University, Pullman, Washington.  
Received October 1981.

DB 2. Indonesia. Collected June 01, 1981. Market,  
Martapura, S. Kalimantan. Local type. Local name Lombok  
Begar. Cultivated. Seed.

**470246 TO 470249. Citrullus lanatus (Thunb.) Matsum. & Nakai  
(Cucurbitaceae) Watermelon.**

From Indonesia. D. R. Bienz, Department of Horticulture,  
Washington State University, Pullman, Washington.  
Received October 1981.

470246. DB 11. Indonesia. Collected June 05, 1981. Roadside  
market, Pleihari, S. Kalimantan. Fruit long, oval, weight  
2kg. Flesh light red, quality fair. Local name Watermelon.  
Received as *C. vulgaris*. Cultivated. Seed.

470247. DB 12. Indonesia. Collected June 05, 1981. Roadside  
market. Sample from 2 round melons. One weighing 2kg,  
striped light green and dark green. The other weighing  
2.5kg, color grey-green. Both deep red flesh excellent  
flavor and texture. Local name Watermelon. Received as *C.*  
*vulgaris*. Cultivated. Seed.

470248. DB 14. Indonesia. Collected June 05, 1981. Market,  
Martapura, S. Kalimantan. Local type. Local name  
Watermelon. Received as *C. vulgaris*. Cultivated. Seed.

470249. DB 22. Indonesia. Collected June 05, 1981. Market,  
Martapura, S. Kalimantan. Local type. Local name  
Watermelon. Received as *C. vulgaris*. Cultivated. Seed.

**470250. Crotalaria pallida Ait. (Fabaceae) Smooth crotalaria.**

From Indonesia. D. R. Bienz, Department of Horticulture,  
Washington State University, Pullman, Washington.  
Received October 1981.

DB 8. Indonesia. Collected June 05, 1981. Brushy field,  
Banjarbaru, S. Kalimantan. Plants upright, shrubby.  
Leaves trifoliate. Flowers showy. Spikes with yellow and  
purple striped flowers. Pods black, ballooned. Local name  
Crotalaria. Received as *C. mucronata*. Wild. Seed.

**470251. Crotalaria sp. (Fabaceae).**

From Indonesia. D. R. Bienz, Department of Horticulture,  
Washington State University, Pullman, Washington.



**470251-continued**

Received October 1981.

DB 25. Indonesia. Collected June 05, 1981. Field near Banjarbaru, S. Kalimantan. Same general appearance as DB 8. Leaflets round. Pods white. Wild. Seed.

**470252 TO 470253. Cucumis melo L. (Cucurbitaceae).**

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington.  
Received October 1981.

**470252.** DB 4. Indonesia. Collected June 01, 1981. Martapura, S. Kalimantan. Local type. Fruits variable. Cultivated. Seed.

**470253.** DB 26. Indonesia. Collected June 10, 1981. Palu Bay, S. Sulawesi. Fruit white with yellow stripes, diameter approximately 4cm. Flesh greenish-white. Seed cavity about 2/3 of interior. Cultivated. Seed.

**470254. Cucumis sativus L. (Cucurbitaceae) Cucumber.**

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington.  
Received October 1981.

DB 1. Indonesia. Collected June 01, 1981. Market, Martapura, S. Kalimantan. Local type. Fruits straight 8 type, very sweet, about half parthenocarpic. Bulk sample. Cultivated. Seed.

**470255 TO 470256. Cucurbita pepo L. (Cucurbitaceae).**

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington.  
Received October 1981.

**470255.** DB 17. Indonesia. Collected June 05, 1981. Market, Martapura, S. Kalimantan. Local type. Local name Yellow pumpkin. Cultivated. Seed.

**470256.** DB 20. Indonesia. Collected June 05, 1981. Market, Martapura, S. Kalimantan. Local type. Local name Pumpkin. Cultivated. Seed.

**470257 TO 470258. Desmodium sp. (Fabaceae).**

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington.

470257 TO 470258-continued

Received October 1981.

470257. DB 6. Indonesia. Collected June 05, 1981. Banjarbaru, S. Kalimantan. Stems woody at maturity. Leaves trifoliate. Flowers purple, in spikes. Fruit procumbent. Wild. Seed.

470258. DB 38. Indonesia. Collected June 22, 1981. Banjarbaru, S. Kalimantan. Plants stout, upright. Leaves similar to alfalfa. Flower heads spike-like. Flowers purple. Pods with 2 to 3 segments. Perennial Herb. Wild. Seed.

470259. *Ipomoea aquatica* Forsk. (Convolvulaceae) Swamp morning-glory.

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington.  
Received October 1981.

DB 5. Indonesia. Collected June 01, 1981. Market, Martapura, S. Kalimantan. Local type used as spinach. Bulk sample. Cultivated. Seed.

470260. *Lagenaria siceraria* (Mol.) Standl. (Cucurbitaceae) Bottle gourd.

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington.  
Received October 1981.

DB 13. Indonesia. Collected June 05, 1981. Market, Martapura, S. Kalimantan. Local type. Local name Water squash. Cultivated. Seed.

470261. *Luffa acutangula* (L.) Roxb. (Cucurbitaceae) Singkwa towelgourd.

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington.  
Received October 1981.

DB 24. Indonesia. Martapura, S. Kalimantan. Local type. Local name Gambas (angled Luffa). Cultivated. Seed.

470262 TO 470263. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington.  
Received October 1981.

470262. DB 21. Indonesia. Market, Martapura, S. Kalimantan. Local type. Fruits small, fasciated, yellow red. Poor

470262 TO 470263-continued

quality. Heat tolerant and bacterial wilt resistant.  
Local name Tomato. Cultivated. Seed.

470263. DB 37. Indonesia. Palu, Central Sulawesi. Horticulture Research Station. Tomato AV33. Collected June 10, 1982. Plants semi-determinant. Fruits small, yellow-red. Resistant to Bacterial wilt and Alternaria. Cultivar. Seed.

470264. *Momordica charantia* L. (Cucurbitaceae) Balsam pear.

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington.  
Received October 1981.

DB 3. Indonesia. Collected June 01, 1981. Market, Martapura, S. Kalimantan. Local type. Local name Bitter gourd. Cultivated. Seed.

470265 TO 470269. *Oryza sativa* L. (Poaceae) Upland rice.

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington.  
Received October 1981.

470265. DB 28. Karintek Pohar. Indonesia. Collected June 13, 1981. Wasian Village, Tatelu Dist., Minahasa Reg., Sulawesi Utara (N. of Manado). 1000 M. Plants short approximately 40cm tall. Cultivated. Seed.
470266. DB 29. Karintek-Tutukna. Indonesia. Collected June 13, 1981. Wasian Village, Tatelu Dist., Minahasa Reg., Sulawesi Utara (N. of Manado). Plants 50cm tall. Local type. Dense, double head. Cultivated. Seed.
470267. DB 30. Indonesia. Collected June 13, 1981. Wasian Village, Tatelu Dist., Minahasa Reg., Sulawesi Utara (N. of Manado). Local name Burungan. Cultivated. Seed.
470268. DB 31. Padi Kakis. Indonesia. Collected June 13, 1981. Wasian Village, Tatelu Dist., Minahasa Reg., Sulawesi Utara (N. of Manado). Used for cakes. Cultivated. Seed.
470269. DB 32. Kaeang tanah-putih. Indonesia. Collected June 13, 1981. Wasian Village, Tatelu Dist., Minahasa Reg., Sulawesi Utara (N. of Manado). Local type. Cultivated. Seed.

470270. *Pachyrhizus erosus* (L.) Urb. (Fabaceae).

From Indonesia. D. R. Bienz, Department of Horticulture,

470270-continued

Washington State University, Pullman, Washington.  
Received October 1981.

DB 19. Indonesia. Collected June 05, 1981. Market,  
Martapura, S. Kalimantan. Local type. Local name Yam bean.  
Cultivated. Seed.

470271. *Psophocarpus tetragonolobus* (L.) DC. (Fabaceae) Winged bean.

From Indonesia. D. R. Bienz, Department of Horticulture,  
Washington State University, Pullman, Washington.  
Received October 1981.

Indonesia. Collected June 05, 1981. Market, Martapura, S.  
Kalimantan. Local type. Resistant to a root rot complex  
found in Kalimantan that kills most imported cultivars.  
Cultivated. Seed.

470272. *Pueraria phaseoloides* (Roxb.) Benth. (Fabaceae) Tropical kudzu.

From Indonesia. D. R. Bienz, Department of Horticulture,  
Washington State University, Pullman, Washington.  
Received October 1981.

DB 7. Indonesia. Collected June 05, 1981. Roadside,  
Banjarbaru, S. Kalimantan. Plants creeping. Leaves  
trifoliate. Flowers clustered, blue. Pods clustered,  
hairy. Very common. Used as cover crop on rubber  
plantations. Wild. Seed.

470273. *Solanum melongena* L. (Solanaceae) Eggplant.

From Indonesia. D. R. Bienz, Department of Horticulture,  
Washington State University, Pullman, Washington.  
Received October 1981.

DB 18. Indonesia. Collected June 05, 1981. Market,  
Martapura, S. Kalimantan. Local type. Plants large,  
averaging 1 m by 1 m. Fruits small, long, excellent  
quality. Cultivated. Seed.

470274. *Vigna unguiculata* subsp. *sesquipedalis* (L.) Verdc. (Fabaceae)  
Yard-long bean.

From Indonesia. D. R. Bienz, Department of Horticulture,  
Washington State University, Pullman, Washington.  
Received October 1981.

DB 26. Indonesia. Collected June 05, 1981. Market,

470274-continued

Martapura, S. Kalimantan. Local type. Fruits long, slender, very solid (not puffy as compared to some seen in other areas of SE Asia). Local name Long bean. Cultivated. Seed.

470275. *Zea mays* L. (Poaceae) Field corn.

From Indonesia. D. R. Bienz, Department of Horticulture, Washington State University, Pullman, Washington. Received October 1981.

DB 33. Minahasa kuning. Indonesia. Collected June 13, 1981. Wasian village, Tatelu Dist., Minahasa Region, Sulawesi Utara. 800-1500M. Local type. Plants 2-2 1/2m. Cultivar. Seed.

470276. *Hordeum vulgare* L. (Poaceae) Barley.

From United States. A. R. Brown, Department of Agronomy, University of Georgia, Athens, Georgia. Received August 1982.

Dawn. United States. Six row type. Winter Annual. Cultivated. Seed.

470277. *Avena sativa* L. (Poaceae) Common oat.

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir. Received April 1982.

TK132-719. Turkey. Collected August 28, 1979. Southeast, 22km of Yildizeli, Sivas Province. 1310M. Cultivated. Seed.

470278. *Avena* sp. (Poaceae).

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir. Received April 1982.

TK99-523. Turkey. Collected August 20, 1979. Northwest, 9km of Arpacay, Kars Province. 1920M. Cultivated. Seed.

470279. *Haynaldia villosa* (L.) Schur (Poaceae).

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir.  
Received April 1982.

TK138-749. Turkey. Collected September 02, 1979. North, 10km of Kusadasi, Aydin Province. 130M. Wild. Seed.

470280 TO 470296. *Hordeum vulgare* L. (Poaceae) Barley.

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir.  
Received April 1982.

470280. TK82-427. Turkey. Collected August 18, 1979. West, 45km of Dogubayazit, Agri Province. 1820M. Two row type. Cultivated. Seed.
470281. TK97-493. Tokak. Turkey. Collected August 19, 1979. Northeast, 13km of Sarikamis, Kars Province. 1880M. Cultivated. Seed.
470282. TK99-527. Turkey. Collected August 20, 1979. Northwest, 9km of Arpacay, Kars Province. 1920M. Two row type. Cultivated. Seed.
470283. TK100-534. Turkey. Collected August 20, 1979. Arpacay, 10km south of Dogruyol, Kars Province. 1900M. Two row type. Cultivated. Seed.
470284. TK100-535. Turkey. Collected August 20, 1979. Arpacay, 10km south of Dogruyol, Kars Province. 1900M. Two row type. Cultivated. Seed.
470285. TK101-539. Turkey. Collected August 20, 1979. Southeast, 4km of Cildir, Kars Province. 1900M. Four/six row type. Cultivated. Seed.
470286. TK106-559. Turkey. Collected August 21, 1979. North, 10km of Gole, Kars Province. 1930M. Two row type. Cultivated. Seed.
470287. TK110-597. Turkey. Collected August 22, 1979. North, 33km of Erzurum, Erzurum Province. 2010M. Two row type. Cultivated. Seed.
470288. TK120-622. Turkey. Collected August 24, 1979. South, 32km of Erzurum-Hinis Rd. Junc., Erzurum Province. 1690M.

470280 TO 470296-continued

Two row type. Cultivated. Seed.

470289. TK122-637. Turkey. Collected August 26, 1979. Southeast, 42km of Bayburt, Gumushane Province. 2250M. Two row type. Cultivated. Seed.
470290. TK122-638. Turkey. Collected August 26, 1979. Southeast, 42km of Bayburt, Gumushane Province. 2250M. Two row type. Cultivated. Seed.
470291. TK122-639. Turkey. Collected August 26, 1979. Southeast, 42km of Bayburt, Gumushane Province. 2250M. Two row type. Cultivated. Seed.
470292. TK124-696. Turkey. Collected August 26, 1979. Threshing area, Tercan, Erzincan Province. 1420M. Two row type. Cultivated. Seed.
470293. TK124-697. Turkey. Collected August 26, 1979. Tercan, Erzincan Province. 1420M. Six row type. Cultivated. Seed.
470294. TK132-717. Turkey. Collected August 28, 1979. Barley field, 22km SE of Yildizeli, Sivas Province. 1310M. Cultivated. Seed.
470295. TK141-756. Turkey. Collected September 03, 1979. Menemen Plain, Izmir Province. 15M. Two row type. Cultivated. Seed.
470296. TK141-757. Turkey. Collected September 03, 1979. Menemen Plain, Izmir Province. 15M. Two row type. Cultivated. Seed.

470297. *Secale cereale* L. (Poaceae) Rye.

From Turkey. R. Metzger, J. Hoffman, H. Spencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir.  
Received April 1982.

Turkey. Collected 1979. Composite of many samples.  
Cultivated and wild. Cultivated.

470298 TO 470711. *Triticum aestivum* L. (Poaceae) Common wheat.

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir.  
Received April 1982.

470298 TO 470711-continued

470298. TK17-76. Azure. Turkey. Collected August 10, 1979. Southwest, 12km of Elazig, Elazig Province. 1100M. Cultivated. Seed.
470299. TK19-90-1. Turkey. Collected August 10, 1979. Northwest, 27km of Maden, Elazig Province. 1310M. Cultivated. Seed.
470300. TK19-90-2. Turkey. Collected August 10, 1979. Northwest, 27km of Maden, Elazig Province. 1310M. Cultivated. Seed.
470301. TK28-143. Turkey. Collected August 11, 1979. Northeast of Bitlis, Bitlis Province. 1720M. Glumes red. Cultivated. Seed.
470302. TK28-144. Turkey. Collected August 11, 1979. Northeast of Bitlis, Bitlis Province. 1720M. Cultivated. Seed.
470303. TK28-145. Turkey. Collected August 11, 1979. Northeast of Bitlis, Bitlis Province. 1720M. Cultivated. Seed.
470304. TK29-148. Turkey. Collected August 11, 1979. W-S, 13km of Tatvan, Bitlis Province. 1780M. Local name Tir. Cultivated. Seed.
470305. TK29-156. Turkey. Collected August 11, 1979. W-S, 13km of Tatvan, Bitlis Province. 1780M. Cultivated. Seed.
470306. TK31-201. Turkey. Collected August 12, 1979. Northeast, 18km of Tatvan, Bitlis Province. 1650M. Local name Tir. Cultivated. Seed.
470307. TK31-201-1. Turkey. Collected August 12, 1979. Northeast, 18km of Tatvan, Bitlis Province. 1650M. Cultivated. Seed.
470308. TK31-1001. Turkey. Collected August 12, 1979. Northeast, 18km of Tatvan, Bitlis Province. 1650M. Cultivated. Seed.
470309. TK31-1002. Turkey. Collected August 12, 1979. Northeast, 18km of Tatvan, Bitlis Province. 1650M. Cultivated. Seed.
470310. TK34-181-3. Turkey. Collected August 12, 1979. North, 1 km of Ahlat, Bitlis Province. 1880M. Glumes pubescent, white and black. Local name Tir. Cultivated. Seed.
470311. TK34-1003. Turkey. Collected August 12, 1979. North, 1 km of Ahlat, Bitlis Province. 1880M. Cultivated. Seed.
470312. TK34-1004. Turkey. Collected August 12, 1979. North, 1 km of Ahlat, Bitlis Province. 1880M. Cultivated. Seed.
470313. TK34-1005. Turkey. Collected August 12, 1979. North, 1



470298 TO 470711-continued

- km of Ahlat, Bitlis Province. 1880M. Cultivated. Seed.
470314. TK35-186. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Cultivated. Seed.
470315. TK35-188. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Heads long. Glumes white and black. Local name Tir. Cultivated. Seed.
470316. TK35-189. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Spikes long. Local name Tir. Cultivated. Seed.
470317. TK35-190. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Cultivated. Seed.
470318. TK35-190-2. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Cultivated. Seed.
470319. TK35-190-3. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Cultivated. Seed.
470320. TK35-191. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Glumes glabrous, red. Awne. Local name Tir. Cultivated. Seed.
470321. TK35-1006. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Cultivated. Seed.
470322. TK35-1007. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Cultivated. Seed.
470323. TK35-1008. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Cultivated. Seed.
470324. TK35-1009. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Cultivated. Seed.
470325. TK35-1010. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Cultivated. Seed.
470326. TK35-1011. Turkey. Collected August 12, 1979. North, 19km of Ahlat, Bitlis Province. 2000M. Cultivated. Seed.
470327. TK40-192. Turkey. Collected August 12, 1979. North, 47km of Ahlat, Mus Province. 1610M. Glumes glabrous, red. Cultivated. Seed.
470328. TK40-192-1. Turkey. Collected August 12, 1979. North, 47km of Ahlat, Mus Province. 1610M. Cultivated. Seed.
470329. TK40-192-2. Turkey. Collected August 12, 1979. North, 47km of Ahlat, Mus Province. 1610M. Cultivated. Seed.

470298 TO 470711-continued

470330. TK40-1012. Turkey. Collected August 12, 1979. North, 47km of Ahlat, Mus Province. 1610M. Cultivated. Seed.
470331. TK40-1013. Turkey. Collected August 12, 1979. North, 47km of Ahlat, Mus Province. 1610M. Cultivated. Seed.
470332. TK40-1014. Turkey. Collected August 12, 1979. North, 47km of Ahlat, Mus Province. 1610M. Cultivated. Seed.
470333. TK40-1015. Turkey. Collected August 12, 1979. North, 47km of Ahlat, Mus Province. 1610M. Cultivated. Seed.
470334. TK41-195. Turkey. Collected August 12, 1979. East, 24km of Malazgirt, Agri Province. 1610M. Glumes pubescent, white and black. Local name Tir. Cultivated. Seed.
470335. TK41-1016. Turkey. Collected August 12, 1979. East, 24km of Malazgirt, Agri Province. 1610M. Cultivated. Seed.
470336. TK41-1017. Turkey. Collected August 12, 1979. East, 24km of Malazgirt, Agri Province. 1610M. Cultivated. Seed.
470337. TK42-263. Turkey. Collected August 12, 1979. Southwest, 20km of Ercis, Van Province. 1700M. Local name Dir. Cultivated. Seed.
470338. TK42-263A. Turkey. Collected August 12, 1979. Southwest, 20km of Ercis, Van Province. 1700M. Cultivated. Seed.
470339. TK42-1018. Turkey. Collected August 12, 1979. Southwest, 20km of Ercis, Van Province. 1700M. Cultivated. Seed.
470340. TK42-1019. Turkey. Collected August 12, 1979. Southwest, 20km of Ercis, Van Province. 1700M. Cultivated. Seed.
470341. TK42-1020. Turkey. Collected August 12, 1979. Southwest, 20km of Ercis, Van Province. 1700M. Cultivated. Seed.
470342. TK42-1021. Turkey. Collected August 12, 1979. Southwest, 20km of Ercis, Van Province. 1700M. Cultivated. Seed.
470343. TK42-1100. Turkey. Collected August 12, 1979. Southwest, 20km of Ercis, Van Province. 1700M. Cultivated. Seed.
470344. TK44-267. Bare. Turkey. Collected August 13, 1979. S-E, 21km of Tatvan, Bitlis Province. 1700M. Glumes glabrous, white. Cultivated. Landrace. Seed.
470345. TK45-268. Turkey. Collected August 13, 1979. S-E, 60km of Tatvan, Bitlis Province. 1880M. Glumes glabrous, red. Awne. Cultivated. Seed.

470298 TO 470711-continued

470346. TK45-1022. Turkey. Collected August 13, 1979. S-E, 60km of Tatvan, Bitlis Province. 1880M. Cultivated. Seed.
470347. TK47-283. Turkey. Collected August 13, 1979. Southeast, 19km of Van, Van Province. 1940M. Single plant, edge of wheat field. Cultivated. Seed.
470348. TK47-286. Turkey. Collected August 13, 1979. Southeast, 19km of Van, Van Province. 1940M. Cultivated. Seed.
470349. TK48-290. Turkey. Collected August 13, 1979. S-E, 26km of Van, Van Province. 1820M. Glumes pubescent, white and black. Local name Tir. Cultivated. Seed.
470350. TK48-1023. Turkey. Collected August 13, 1979. S-E, 26km of Van, Van Province. 1820M. Cultivated. Seed.
470351. TK48-1024. Turkey. Collected August 13, 1979. S-E, 26km of Van, Van Province. 1820M. Cultivated. Seed.
470352. TK48-1025. Turkey. Collected August 13, 1979. S-E, 26km of Van, Van Province. 1820M. Cultivated. Seed.
470353. TK49-291. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Glumes glabrous, white. Local name Tir. Cultivated. Seed.
470354. TK49-292. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470355. TK49-1026. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470356. TK49-1027. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470357. TK49-1028. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470358. TK49-1029. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470359. TK49-1030. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470360. TK49-1031. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470361. TK49-1032A. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470362. TK49-1033. Turkey. Collected August 13, 1979. S-E, 36km

470298 TO 470711-continued

- of Van, Van Province. 1840M. Cultivated. Seed.
470363. TK49-1034. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470364. TK49-1035. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470365. TK49-1036. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470366. TK49-1037. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470367. TK49-1038. Turkey. Collected August 13, 1979. S-E, 36km of Van, Van Province. 1840M. Cultivated. Seed.
470368. TK51-293. Turkey. Collected August 13, 1979. Southeast, 12km of Guzelsu, Van Province. 2250M. Glumes pubescent, white. Awns black. Cultivated. Seed.
470369. TK51-1039. Turkey. Collected August 13, 1979. Southeast, 12km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470370. TK51-1040. Turkey. Collected August 13, 1979. Southeast, 12km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470371. TK51-1042. Turkey. Collected August 13, 1979. Southeast, 12km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470372. TK51-1043. Turkey. Collected August 13, 1979. Southeast, 12km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470373. TK51-1044. Turkey. Collected August 13, 1979. Southeast, 12km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470374. TK51-1045. Turkey. Collected August 13, 1979. Southeast, 12km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470375. TK52-278. Turkey. Collected August 13, 1979. Roadside, 31km SE of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470376. TK52-294. Turkey. Collected August 13, 1979. Southeast, 31km of Guzelsu, Van Province. 2250M. Glumes glabrous, red. Cultivated. Seed.
470377. TK52-1046. Turkey. Collected August 13, 1979. Southeast, 31km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470378. TK52-1047. Turkey. Collected August 13, 1979. Southeast, 31km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470379. TK52-1048. Turkey. Collected August 13, 1979. Southeast,

470298 TO 470711-continued

- 31km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470380. TK52-1049. Turkey. Collected August 13, 1979. Southeast, 31km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470381. TK52-1050. Turkey. Collected August 13, 1979. Southeast, 31km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470382. TK52-1051. Turkey. Collected August 13, 1979. Southeast, 31km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470383. TK52-1052. Turkey. Collected August 13, 1979. Southeast, 31km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470384. TK52-1053. Turkey. Collected August 13, 1979. Southeast, 31km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470385. TK52-1054. Turkey. Collected August 13, 1979. Southeast, 31km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470386. TK52-1103. Turkey. Collected August 13, 1979. Southeast, 31km of Guzelsu, Van Province. 2250M. Cultivated. Seed.
470387. TK54-303. Turkey. Collected August 14, 1979. Semdinli-Ovac village, Hakkari Province. 1450M. Cultivated. Seed.
470388. TK54-305. Turkey. Collected August 14, 1979. Semdinli-Ovac village, Hakkari Province. 1450M. Cultivated. Seed.
470389. TK54-307. Turkey. Collected August 14, 1979. Semdinli-Ovac village, Hakkari Province. 1450M. Cultivated. Seed.
470390. TK54-309. Turkey. Collected August 14, 1979. Semdinli-Ovac village, Hakkari Province. 1450M. Cultivated. Seed.
470391. TK54-310. Turkey. Collected August 14, 1979. Semdinli-Ovac village, Hakkari Province. 1450M. Cultivated. Seed.
470392. TK55-313. Turkey. Collected August 14, 1979. Semdinli, 14km SN, Hakkari Province. 1550M. Single plant at roadside. Cultivated. Seed.
470393. TK56-315. Turkey. Collected August 14, 1979. Semdinli, 13km SN, Hakkari Province. 1550M. Glumes glabrous, red. Awmed. Local name Guzluk. Cultivated. Seed.
470394. TK56-316. Turkey. Collected August 14, 1979. Semdinli, 13km SN, Hakkari Province. 1550M. Cultivated. Seed.
470395. TK58-330. Turkey. Collected August 14, 1979. Semdinli, Hakkari Province. 1430M. Glumes glabrous, red. Local name Kislik. Cultivated. Seed.

470298 TO 470711-continued

470396. TK58-331. Turkey. Collected August 14, 1979. Semdinli, Hakkari Province. 1430M. Cultivated. Seed.
470397. TK62-343. Turkey. Collected August 14, 1979. Northwest, 26km from Semdinli towards Yuksekova, Hakkari Province. 1750M. Cultivated. Seed.
470398. TK62-344. Turkey. Collected August 14, 1979. Northwest, 26km from Semdinli towards Yuksekova, Hakkari Province. 1750M. Cultivated. Seed.
470399. TK62-1055. Turkey. Collected August 14, 1979. Northwest, 26km from Semdinli towards Yuksekova, Hakkari Province. 1750M. Cultivated. Seed.
470400. TK62-1056. Turkey. Collected August 14, 1979. Northwest, 26km from Semdinli towards Yuksekova, Hakkari Province. 1750M. Cultivated. Seed.
470401. TK63-347. Turkey. Collected August 15, 1979. South, 18km from Yuksekova towards Semdinli, Hakkari Province. 1850M. Glumes glabrous, white. Cultivated. Seed.
470402. TK63-348. Turkey. Collected August 15, 1979. South, 18km from Yuksekova towards Semdinli, Hakkari Province. 1850M. Cultivated. Seed.
470403. TK63-349. Turkey. Collected August 15, 1979. South, 18km from Yuksekova towards Semdinli, Hakkari Province. 1850M. Cultivated. Seed.
470404. TK64-357. Turkey. Collected August 15, 1979. Northeast, 37km of Yuksekova, Hakkari Province. 1670M. Glumes glabrous, red. Cultivated. Seed.
470405. TK64-358. Turkey. Collected August 15, 1979. Northeast, 37km of Yuksekova, Hakkari Province. 1670M. Cultivated. Seed.
470406. TK65-359. Turkey. Collected August 15, 1979. Northeast, 11km of Yuksekova, Hakkari Province. 1950M. Glumes glabrous, red. Awed. Cultivated. Seed.
470407. TK65-360. Turkey. Collected August 15, 1979. Northeast, 11km of Yuksekova, Hakkari Province. 1950M. Cultivated. Seed.
470408. TK66-364. Turkey. Collected August 15, 1979. W-S, 12km of Yuksekova-Karlikoy, Hakkari Province. 1900M. Glumes glabrous, red. Cultivated. Seed.
470409. TK66-365. Turkey. Collected August 15, 1979. W-S, 12km

470298 TO 470711-continued

- of Yuksekova, Karlikoy Village, Hakkari Province. 1900M. Cultivated. Seed.
470410. TK67-231. Turkey. Collected August 15, 1979. Northeast, 10km of Hakkari-Yuksekoa-Van Road Junction, Hakkari Province. 1900M. Glumes glabrous, red. Cultivated. Seed.
470411. TK67-232A. Turkey. Collected August 15, 1979. Northeast, 10km of Hakkari-Yuksekoa, Hakkari Province. 1760M. Cultivated. Seed.
470412. TK67-232B. Turkey. Collected August 15, 1979. Northeast, 10km of Hakkari-Yuksekoa, Hakkari Province. 1760M. Cultivated. Seed.
470413. TK67-233A. Turkey. Collected August 15, 1979. Northeast, 10km of Hakkari-Yuksekoa, Hakkari Province. 1760M. Cultivated. Seed.
470414. TK67-234. Turkey. Collected August 15, 1979. Northeast, 10km of Hakkari-Yuksekoa, Hakkari Province. 1760M. Cultivated. Seed.
470415. TK68-222. Turkey. Collected August 15, 1979. Southeast, 9km of Baskale, Van Province. 1950M. Glumes glabrous, white. Cultivated. Seed.
470416. TK68-223. Turkey. Collected August 15, 1979. Southeast, 9km of Baskale, Van Province. 1950M. Cultivated. Seed.
470417. TK68-224. Turkey. Collected August 15, 1979. Southeast, 9km of Baskale, Van Province. 1950M. Cultivated. Seed.
470418. TK68-225. Turkey. Collected August 15, 1979. Southeast, 9km of Baskale, Van Province. 1950M. Cultivated. Seed.
470419. TK68-226. Turkey. Collected August 15, 1979. Southeast, 9km of Baskale, Van Province. 1950M. Cultivated. Seed.
470420. TK68-227. Turkey. Collected August 15, 1979. Southeast, 9km of Baskale, Van Province. 1950M. Cultivated. Seed.
470421. TK68-228. Turkey. Collected August 15, 1979. Southeast, 9km of Baskale, Van Province. 1950M. Cultivated. Seed.
470422. TK68-230. Turkey. Collected August 15, 1979. Southeast, 9km of Baskale, Van Province. 1950M. Cultivated. Seed.
470423. TK68-367A. Turkey. Collected August 15, 1979. Southeast, 9km of Baskale, Van Province. 1950M. Cultivated. Seed.
470424. TK68-367B. Turkey. Collected August 15, 1979. Southeast, 9km of Baskale, Van Province. 1950M. Cultivated. Seed.

470298 TO 470711-continued

470425. TK69-380. Turkey. Collected August 16, 1979. East, 19km of Van, Van Province. 1830M. Glumes glabrous, red. Cultivated. Seed.
470426. TK69-383-1. Turkey. Collected August 16, 1979. East, 19km of Van, Van Province. 1830M. Cultivated. Seed.
470427. TK69-383-2. Turkey. Collected August 16, 1979. East, 19km of Van, Van Province. 1830M. Cultivated. Seed.
470428. TK69-1058. Turkey. Collected August 16, 1979. East, 19km of Van, Van Province. 1830M. Cultivated. Seed.
470429. TK69-1059. Turkey. Collected August 16, 1979. East, 19km of Van, Van Province. 1830M. Cultivated. Seed.
470430. TK69-1060. Turkey. Collected August 16, 1979. East, 19km of Van, Van Province. 1830M. Cultivated. Seed.
470431. TK69-1099. Turkey. Collected August 16, 1979. East, 19km of Van, Van Province. 1830M. Cultivated. Seed.
470432. TK69-1102. Turkey. Collected August 16, 1979. East, 19km of Van, Van Province. 1830M. Cultivated. Seed.
470433. TK69-1104. Turkey. Collected August 16, 1979. East, 19km of Van, Van Province. 1830M. Cultivated. Seed.
470434. TK70-389. Karakilcik. Turkey. Collected August 16, 1979. Northeast, 26km of Van, Van Province. 1800M. Glumes glabrous, white. Cultivated. Seed.
470435. TK70-1061. Turkey. Collected August 16, 1979. Northeast, 26km of Van, Van Province. 1800M. Cultivated. Seed.
470436. TK70-1062. Turkey. Collected August 16, 1979. Northeast, 26km of Van, Van Province. 1800M. Cultivated. Seed.
470437. TK70-1063. Turkey. Collected August 16, 1979. Northeast, 26km of Van, Van Province. 1800M. Cultivated. Seed.
470438. TK70-1064. Turkey. Collected August 16, 1979. Northeast, 26km of Van, Van Province. 1800M. Cultivated. Seed.
470439. TK70-1065A. Turkey. Collected August 16, 1979. Northeast, 26km of Van, Van Province. 1800M. Cultivated. Seed.
470440. TK70-1065B. Turkey. Collected August 16, 1979. Northeast, 26km of Van, Van Province. 1800M. Cultivated. Seed.



470298 TO 470711-continued

470441. TK70-1066. Turkey. Collected August 16, 1979. Northeast, 26km of Van, Van Province. 1800M. Cultivated. Seed.
470442. TK76-220. Turkey. Collected August 17, 1979. East, 17km of Erçis, Van Province. 1680M. Glumes pubescent, red. Cultivated. Seed.
470443. TK76-221. Turkey. Collected August 17, 1979. East, 17km of Erçis, Van Province. 1680M. Cultivated. Seed.
470444. TK76-411. Turkey. Collected August 17, 1979. East, 17km of Erçis, Van Province. 1680M. Cultivated. Seed.
470445. TK76-411A. Turkey. Collected August 17, 1979. East, 17km of Erçis, Van Province. 1680M. Cultivated. Seed.
470446. TK76-411B. Turkey. Collected August 17, 1979. East, 17km of Erçis, Van Province. 1680M. Cultivated. Seed.
470447. TK79-215. Turkey. Collected August 17, 1979. Patnos, Agri Province. 1690M. Glumes pubescent, white. Local name Dir. Cultivated. Seed.
470448. TK79-216. Turkey. Collected August 17, 1979. Patnos, Agri Province. 1690M. Cultivated. Seed.
470449. TK79-217. Turkey. Collected August 17, 1979. Patnos, Agri Province. 1690M. Cultivated. Seed.
470450. TK79-414. Turkey. Collected August 17, 1979. Patnos, Agri Province. 1690M. Cultivated. Seed.
470451. TK80-218. Turkey. Collected August 17, 1979. North, 16km of Patnos, Agri Province. 1680M. Glumes white. Awne d. Cultivated. Seed.
470452. TK80-219. Turkey. Collected August 17, 1979. North, 16km of Patnos, Agri Province. 1680M. Cultivated. Seed.
470453. TK80-418. Turkey. Collected August 17, 1979. North, 16km of Patnos, Agri Province. 1680M. Glumes pubescent, red. Awns black. Cultivated. Seed.
470454. TK80-420-1. Turkey. Collected August 17, 1979. North, 16km of Patnos, Agri Province. 1680M. Cultivated. Seed.
470455. TK80-420-2. Turkey. Collected August 17, 1979. North, 16km of Patnos, Agri Province. 1680M. Cultivated. Seed.
470456. TK80-421. Turkey. Collected August 17, 1979. North, 16km of Patnos, Agri Province. 1680M. Cultivated. Seed.

470298 TO 470711-continued

470457. TK80-421-1. Turkey. Collected August 17, 1979. North, 16km of Patnos, Agri Province. 1680M. Cultivated. Seed.
470458. TK82-423. Turkey. Collected August 18, 1979. West, 45km of Dogubayazit, Agri Province. 1820M. Glumes pubescent, red. Awnless. Cultivated. Seed.
470459. TK82-424A. Turkey. Collected August 18, 1979. West, 45km of Dogubayazit, Agri Province. 1820M. Cultivated. Seed.
470460. TK82-424B. Turkey. Collected August 18, 1979. West, 45km of Dogubayazit, Agri Province. 1820M. Cultivated. Seed.
470461. TK82-424C. Turkey. Collected August 18, 1979. West, 45km of Dogubayazit, Agri Province. 1820M. Cultivated. Seed.
470462. TK82-425. Turkey. Collected August 18, 1979. West, 45km of Dogubayazit, Agri Province. 1820M. Cultivated. Seed.
470463. TK82-426. Turkey. Collected August 18, 1979. West, 45km of Dogubayazit, Agri Province. 1820M. Cultivated. Seed.
470464. TK82-428. Turkey. Collected August 18, 1979. West, 45km of Dogubayazit, Agri Province. 1820M. Cultivated. Seed.
470465. TK83-430A. Turkey. Collected August 18, 1979. West, 35km of Dogubayazit, Agri Province. 1920M. Glumes glabrous, white. Cultivated. Seed.
470466. TK83-430B. Turkey. Collected August 18, 1979. West, 35km of Dogubayazit, Agri Province. 1920M. Glumes glabrous, white. Cultivated. Seed.
470467. TK83-430C. Turkey. Collected August 18, 1979. West, 35km of Dogubayazit, Agri Province. 1920M. Glumes glabrous, white. Cultivated. Seed.
470468. TK83-431A. Turkey. Collected August 18, 1979. West, 35km of Dogubayazit, Agri Province. 1920M. Cultivated. Seed.
470469. TK83-431B. Turkey. Collected August 18, 1979. West, 35km of Dogubayazit, Agri Province. 1920M. Cultivated. Seed.
470470. TK84-433. Turkey. Collected August 18, 1979. West, 8km of Dogubayazit, Agri Province. 1650M. Glumes pubescent, black. Awnless. Cultivated. Seed.
470471. TK84-434. Turkey. Collected August 18, 1979. West, 8km of Dogubayazit, Agri Province. 1650M. Cultivated. Seed.
470472. TK84-435. Turkey. Collected August 18, 1979. West, 8km of Dogubayazit, Agri Province. 1650M. Cultivated. Seed.

470298 TO 470711-continued

470473. TK84-436A. Turkey. Collected August 18, 1979. West, 8km of Dogubayazit, Agri Province. 1650M. Cultivated. Seed.
470474. TK84-436B. Turkey. Collected August 18, 1979. West, 8km of Dogubayazit, Agri Province. 1650M. Cultivated. Seed.
470475. TK84-436C. Turkey. Collected August 18, 1979. West, 8km of Dogubayazit, Agri Province. 1650M. Cultivated. Seed.
470476. TK84-436D. Turkey. Collected August 18, 1979. West, 8km of Dogubayazit, Agri Province. 1650M. Cultivated. Seed.
470477. TK84-437. Turkey. Collected August 18, 1979. West, 8km of Dogubayazit, Agri Province. 1650M. Cultivated. Seed.
470478. TK86-443. Turkey. Collected August 18, 1979. Northeast, 20km of Dogubayazit, Agri Province. 1500M. Glumes glabrous, white. Awned. Cultivated. Seed.
470479. TK86-444A. Turkey. Collected August 18, 1979. Northeast, 20km of Dogubayazit, Agri Province. 1500M. Cultivated. Seed.
470480. TK86-444B. Turkey. Collected August 18, 1979. Northeast, 20km of Dogubayazit, Agri Province. 1500M. Cultivated. Seed.
470481. TK90-451. Turkey. Collected August 19, 1979. Market, Tuzluca, Kars Province. 1000M. Originally from Erzurum. Seeds red. Cultivated. Seed.
470482. TK90-452. Turkey. Collected August 19, 1979. Turluca, Kars Province. 1000M. Glumes pubescent, red. Cultivated. Seed.
470483. TK92-469. Turkey. Collected August 19, 1979. Southwest, 6km of Kagizman-Igdir-Erzurum Rd. Junc., Kars Province. 1190M. Glumes pubescent, red. Cultivated. Seed.
470484. TK92-470. Turkey. Collected August 19, 1979. Southwest, 6km of Kagizman-Igdir-Erzurum Rd. Junc., Kars Province. 1190M. Cultivated. Seed.
470485. TK94-473. Turkey. Collected August 19, 1979. Southeast, 30km of Karakurt, Kars Province. 1300M. Glumes glabrous, white. Cultivated. Seed.
470486. TK94-474. Turkey. Collected August 19, 1979. Southeast, 30km of Karakurt, Kars Province. 1300M. Cultivated. Seed.
470487. TK94-475. Turkey. Collected August 19, 1979. Southeast, 30km of Karakurt, Kars Province. 1300M. Cultivated. Seed.

470298 TO 470711-continued

470488. TK94-476. Turkey. Collected August 19, 1979. Southeast, 30km of Karakurt, Kars Province. 1300M. Cultivated. Seed.
470489. TK95-483A. Turkey. Collected August 19, 1979. Southeast, 8km of Karakurt, Kars Province. 1380M. Glumes red. Cultivated. Seed.
470490. TK95-483B. Turkey. Collected August 19, 1979. Southeast, 8km of Karakurt, Kars Province. 1380M. Glumes red. Cultivated. Seed.
470491. TK95-483C. Turkey. Collected August 19, 1979. Southeast, 8km of Karakurt, Kars Province. 1380M. Glumes red. Cultivated. Seed.
470492. TK95-485. Turkey. Collected August 19, 1979. Southeast, 8km of Karakurt, Kars Province. 1380M. Cultivated. Seed.
470493. TK96-488. Turkey. Collected August 19, 1979. North, 7km of Karakurt, Kars Province. 1700M. Glumes pubescent, red. Awnless. Cultivated. Seed.
470494. TK96-489. Turkey. Collected August 19, 1979. North, 7km of Karakurt, Kars Province. 1700M. Cultivated. Seed.
470495. TK97-496. Turkey. Collected August 19, 1979. Northeast, 13km of Sarikamis, Kars Province. 1880M. Cultivated. Seed.
470496. TK97-497A. Turkey. Collected August 19, 1979. Northeast, 13km of Sarikamis, Kars Province. 1880M. Cultivated. Seed.
470497. TK97-497B. Turkey. Collected August 19, 1979. Northeast, 13km of Sarikamis, Kars Province. 1880M. Cultivated. Seed.
470498. TK97-498. Turkey. Collected August 19, 1979. Northeast, 13km of Sarikamis, Kars Province. 1880M. Cultivated. Seed.
470499. TK97-499. Turkey. Collected August 19, 1979. Northeast, 13km of Sarikamis, Kars Province. 1880M. Cultivated. Seed.
470500. TK97-500. Turkey. Collected August 19, 1979. Northeast, 13km of Sarikamis, Kars Province. 1880M. Cultivated. Seed.
470501. TK97-501. Turkey. Collected August 19, 1979. Northeast, 13km of Sarikamis, Kars Province. 1880M. Cultivated. Seed.
470502. TK97-502. Turkey. Collected August 19, 1979. Northeast, 13km of Sarikamis, Kars Province. 1880M. Cultivated. Seed.
470503. TK97-503-1. Turkey. Collected August 19, 1979. Northeast, 13km of Sarikamis, Kars Province. 1880M. Plants hexaploid. Received as *T. aestivum* subsp.

470298 TO 470711-continued

*carthlicoides*. Cultivated. Seed.

470504. TK98-508. Kiraz. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Cultivated. Seed.
470505. TK98-509. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Cultivated. Seed.
470506. TK98-513. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Cultivated. Seed.
470507. TK98-514. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Cultivated. Seed.
470508. TK98-515. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Cultivated. Seed.
470509. TK98-516. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Cultivated. Seed.
470510. TK98-517-10. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Plants hexaploid. Received as *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.
470511. TK98-519A. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Cultivated. Seed.
470512. TK98-519B. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Cultivated. Seed.
470513. TK98-520. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Cultivated. Seed.
470514. TK99-523A. Turkey. Collected August 20, 1979. Northwest, 9km of Arpacay, Kars Province. 1920M. Plants hexaploid. Received as *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.
470515. TK99-523B. Turkey. Collected August 20, 1979. Northwest, 9km of Arpacay, Kars Province. 1920M. Plants hexaploid. Received as *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.
470516. TK99-524. Turkey. Collected August 20, 1979. Northwest, 9km of Arpacay, Kars Province. 1920M. Plants hexaploid. Received as *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.
470517. TK99-526A. Turkey. Collected August 20, 1979. Northwest, 9km of Arpacay, Kars Province. 1920M. Cultivated. Seed.

470298 TO 470711-continued

470518. TK100-531A-2. Turkey. Collected August 20, 1979. Arpacay, 10km south of Dogruyol, Kars Province. 1900M. Plants hexaploid. Glumes glabrous, white. Received as *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.
470519. TK100-531B. Turkey. Collected August 20, 1979. Arpacay, 10km south of Dogruyol, Kars Province. 1900M. Cultivated. Seed.
470520. TK100-531C. Turkey. Collected August 20, 1979. Arpacay, 10km south of Dogruyol, Kars Province. 1900M. Cultivated. Seed.
470521. TK100-532A. Turkey. Collected August 20, 1979. Arpacay, 10km south of Dogruyol, Kars Province. 1900M. Cultivated. Seed.
470522. TK100-532B. Turkey. Collected August 20, 1979. Arpacay, 10km south of Dogruyol, Kars Province. 1900M. Cultivated. Seed.
470523. TK100-532C. Turkey. Collected August 20, 1979. Arpacay, 10km south of Dogruyol, Kars Province. 1900M. Cultivated. Seed.
470524. TK101-540A. Turkey. Collected August 20, 1979. Southeast, 4km of Cildir, Kars Province. 1900M. Cultivated. Seed.
470525. TK101-540B. Turkey. Collected August 20, 1979. Southeast, 4km of Cildir, Kars Province. 1900M. Cultivated. Seed.
470526. TK101-540C. Turkey. Collected August 20, 1979. Southeast, 4km of Cildir, Kars Province. 1900M. Cultivated. Seed.
470527. TK101-540D. Turkey. Collected August 20, 1979. Southeast, 4km of Cildir, Kars Province. 1900M. Cultivated. Seed.
470528. TK101-605. Turkey. Collected August 20, 1979. Southeast, 4km of Cildir, Kars Province. 1900M. Cultivated. Seed.
470529. TK103-543A. Turkey. Collected August 20, 1979. West, 29km of Cildir, Kars Province. 1800M. Glumes glabrous, white. Cultivated. Seed.
470530. TK103-543B. Turkey. Collected August 20, 1979. West, 29km of Cildir, Kars Province. 1800M. Plants hexaploid. Glumes glabrous, white. Received as *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.

470298 TO 470711-continued

470531. TK103-544B-1. Turkey. Collected August 20, 1979. West, 29km of Cildir, Kars Province. 1800M. Plants hexaploid. Received as *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.
470532. TK103-544C. Turkey. Collected August 20, 1979. West, 29km of Cildir, Kars Province. 1800M. Cultivated. Seed.
470533. TK104-548B. Turkey. Collected August 21, 1979. Northwest, 24km of Kars towards Gole, Kars Province. 1700M. Plants hexaploid. Glumes glabrous, white. Received as *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.
470534. TK104-548C. Turkey. Collected August 21, 1979. Northwest, 24km of Kars towards Gole, Kars Province. 1700M. Glumes glabrous, white. Received *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.
470535. TK104-549. Turkey. Collected August 21, 1979. Northwest, 24km of Kars towards Gole, Kars Province. 1700M. Cultivated. Seed.
470536. TK104-550. Turkey. Collected August 21, 1979. Northwest, 24km of Kars towards Gole, Kars Province. 1700M. Cultivated. Seed.
470537. TK104-551. Turkey. Collected August 21, 1979. Northwest, 24km of Kars towards Gole, Kars Province. 1700M. Cultivated. Seed.
470538. TK104-552B. Turkey. Collected August 21, 1979. Northwest, 24km of Kars towards Gole, Kars Province. 1700M. Plants hexaploid. Received as *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.
470539. TK104-552C. Turkey. Collected August 21, 1979. Northwest, 24km of Kars towards Gole, Kars Province. 1700M. Plants hexaploid. Received as *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.
470540. TK107-560. Turkey. Collected August 21, 1979. North, 18km of Gole, Kars Province. 1880M. Glumes white. Cultivated. Seed.
470541. TK107-561. Turkey. Collected August 21, 1979. North, 18km of Gole, Kars Province. 1880M. Cultivated. Seed.
470542. TK107-562. Turkey. Collected August 21, 1979. North, 18km of Gole, Kars Province. 1880M. Cultivated. Seed.
470543. TK107-563. Turkey. Collected August 21, 1979. North, 18km of Gole, Kars Province. 1880M. Cultivated. Seed.

470298 TO 470711-continued

470544. TK107-564. Turkey. Collected August 21, 1979. North, 18km of Gole, Kars Province. 1880M. Cultivated. Seed.
470545. TK107-565. Turkey. Collected August 21, 1979. North, 18km of Gole, Kars Province. 1880M. Cultivated. Seed.
470546. TK107-566. Turkey. Collected August 21, 1979. North, 18km of Gole, Kars Province. 1880M. Cultivated. Seed.
470547. TK107-567. Turkey. Collected August 21, 1979. North, 18km of Gole, Kars Province. 1880M. Cultivated. Seed.
470548. TK107-732. Turkey. Collected August 21, 1979. North, 18km of Gole, Kars Province. 1880M. Cultivated. Seed.
470549. TK108-572A. Turkey. Collected August 21, 1979. North, 40km of Gole, Kars Province. 1840M. Plants hexaploid. Glumes glabrous, red. Received as *T. aestivum* subsp. *carthlicoides*. Cultivated. Seed.
470550. TK108-572B. Turkey. Collected August 21, 1979. North, 40km of Gole, Kars Province. 1840M. Cultivated. Seed.
470551. TK108-572D. Turkey. Collected August 21, 1979. North, 40km of Gole, Kars Province. 1840M. Cultivated. Seed.
470552. TK108-572E. Turkey. Collected August 21, 1979. North, 40km of Gole, Kars Province. 1840M. Cultivated. Seed.
470553. TK108-573A. Turkey. Collected August 21, 1979. North, 40km of Gole, Kars Province. 1840M. Cultivated. Seed.
470554. TK108-573B. Turkey. Collected August 21, 1979. North, 40km of Gole, Kars Province. 1840M. Cultivated. Seed.
470555. TK108-575A. Turkey. Collected August 21, 1979. North, 40km of Gole, Kars Province. 1840M. Spike tiny. Glumes glabrous, red. Cultivated. Seed.
470556. TK108-575B. Turkey. Collected August 21, 1979. North, 40km of Gole, Kars Province. 1840M. Spike tiny. Glumes glabrous, red. Cultivated. Seed.
470557. TK108-576. Turkey. Collected August 21, 1979. North, 40km of Gole, Kars Province. 1840M. Stem red. Glume white. Cultivated. Seed.
470558. TK109-580. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Glumes glabrous, white. Plants hexaploid. Cultivated. Seed.
470559. TK109-581. Turkey. Collected August 22, 1979. Tortum-



470298 TO 470711-continued

- Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470560. TK109-583. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470561. TK109-584B. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470562. TK109-585. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470563. TK109-586. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470564. TK109-588. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470565. TK109-589. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470566. TK109-590. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470567. TK109-591. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470568. TK109-593A. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470569. TK109-594. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470570. TK109-595. Turkey. Collected August 22, 1979. Tortum-Yukari Sivri village, Erzurum Province. 1700M. Cultivated. Seed.
470571. TK110-601. Turkey. Collected August 22, 1979. North, 33km of Erzurum, Erzurum Province. 2010M. Glumes glabrous, white. Awnless. Cultivated. Seed.
470572. TK110-602. Turkey. Collected August 22, 1979. North, 33km of Erzurum, Erzurum Province. 2010M. Cultivated.

470298 TO 470711-continued

Seed.

470573. TK110-603A. Turkey. Collected August 22, 1979. North, 33km of Erzurum, Erzurum Province. 2010M. Cultivated. Seed.
470574. TK110-603B. Turkey. Collected August 22, 1979. North, 33km of Erzurum, Erzurum Province. 2010M. Cultivated. Seed.
470575. TK110-606. Turkey. Collected August 22, 1979. North, 33km of Erzurum, Erzurum Province. 2010M. Cultivated. Seed.
470576. TK110-607. Turkey. Collected August 22, 1979. North, 33km of Erzurum, Erzurum Province. 2010M. Cultivated. Seed.
470577. TK111-608. Kirac 66. Turkey. Collected August 23, 1979. Regional Agricultural Research Institute, Erzurum Province. 1950M. Resistant to selected races of bunt. Winter Annual. Cultivated. Seed.
470578. TK112-609. Turkey. Collected August 24, 1979. Northeast, 18km of Erzurum, Erzurum Province. 1810M. Glumes pubescent, red. Cultivated. Seed.
470579. TK112-1067. Turkey. Collected August 24, 1979. Northeast, 18km of Erzurum, Erzurum Province. 1810M. Cultivated. Seed.
470580. TK112-1067A. Turkey. Collected August 24, 1979. Northeast, 18km of Erzurum, Erzurum Province. 1810M. Cultivated. Seed.
470581. TK112-1067B. Turkey. Collected August 24, 1979. Northeast, 18km of Erzurum, Erzurum Province. 1810M. Cultivated. Seed.
470582. TK112-1067D. Turkey. Collected August 24, 1979. Northeast, 18km of Erzurum, Erzurum Province. 1810M. Cultivated. Seed.
470583. TK112-1067E. Turkey. Collected August 24, 1979. Northeast, 18km of Erzurum, Erzurum Province. 1810M. Cultivated. Seed.
470584. TK112-1068A. Turkey. Collected August 24, 1979. Northeast, 18km of Erzurum, Erzurum Province. 1810M. Cultivated. Seed.
470585. TK112-1068B. Turkey. Collected August 24, 1979. Northeast, 18km of Erzurum, Erzurum Province. 1810M.

470298 TO 470711-continued

Cultivated. Seed.

470586. TK112-1068C. Turkey. Collected August 24, 1979.  
Northeast, 18km of Erzurum, Erzurum Province. 1810M.  
Cultivated. Seed.
470587. TK112-1069. Turkey. Collected August 24, 1979.  
Northeast, 18km of Erzurum, Erzurum Province. 1810M.  
Cultivated. Seed.
470588. TK112-1070A. Turkey. Collected August 24, 1979.  
Northeast, 18km of Erzurum, Erzurum Province. 1810M.  
Cultivated. Seed.
470589. TK112-1070B. Turkey. Collected August 24, 1979.  
Northeast, 18km of Erzurum, Erzurum Province. 1810M.  
Cultivated. Seed.
470590. TK112-1072. Turkey. Collected August 24, 1979.  
Northeast, 18km of Erzurum, Erzurum Province. 1810M.  
Cultivated. Seed.
470591. TK112-1073. Turkey. Collected August 24, 1979.  
Northeast, 18km of Erzurum, Erzurum Province. 1810M.  
Cultivated. Seed.
470592. TK112-1106. Turkey. Collected August 24, 1979.  
Northeast, 18km of Erzurum, Erzurum Province. 1810M.  
Cultivated. Seed.
470593. TK113-611. Turkey. Collected August 24, 1979. Northeast,  
39km of Erzurum, Erzurum Province. 1620M. Glumes  
glabrous, white. Cultivated. Seed.
470594. TK113-611-6. Turkey. Collected August 24, 1979.  
Northeast, 39km of Erzurum, Erzurum Province. 1620M.  
Cultivated. Seed.
470595. TK113-1076. Turkey. Collected August 24, 1979.  
Northeast, 39km of Erzurum, Erzurum Province. 1620M.  
Cultivated. Seed.
470596. TK113-1077. Turkey. Collected August 24, 1979.  
Northeast, 39km of Erzurum, Erzurum Province. 1620M.  
Cultivated. Seed.
470597. TK113-1078. Turkey. Collected August 24, 1979.  
Northeast, 39km of Erzurum, Erzurum Province. 1620M.  
Cultivated. Seed.
470598. TK113-1079. Turkey. Collected August 24, 1979.  
Northeast, 39km of Erzurum, Erzurum Province. 1620M.  
Cultivated. Seed.

470298 TO 470711-continued

470599. TK113-1080. Turkey. Collected August 24, 1979. Northeast, 39km of Erzurum, Erzurum Province. 1620M. Cultivated. Seed.
470600. TK113-1081. Turkey. Collected August 24, 1979. Northeast, 39km of Erzurum, Erzurum Province. 1620M. Cultivated. Seed.
470601. TK114-612. Turkey. Collected August 24, 1979. Northwest, 56km of Eleskirt, Erzurum Province. 1700M. Glumes glabrous, red. Cultivated. Seed.
470602. TK114-1082. Turkey. Collected August 24, 1979. Northwest, 56km of Eleskirt, Erzurum Province. 1700M. Cultivated. Seed.
470603. TK115-615. Turkey. Collected August 24, 1979. Northwest, 42km of Eleskirt, Erzurum Province. 1840M. Glumes pubescent, red. Awnless. Cultivated. Seed.
470604. TK115-1086. Turkey. Collected August 24, 1979. Northwest, 42km of Eleskirt, Erzurum Province. 1840M. Cultivated. Seed.
470605. TK115-1087. Turkey. Collected August 24, 1979. Northwest, 42km of Eleskirt, Erzurum Province. 1840M. Cultivated. Seed.
470606. TK115-1088. Turkey. Collected August 24, 1979. Northwest, 42km of Eleskirt, Erzurum Province. 1840M. Cultivated. Seed.
470607. TK115-1089. Turkey. Collected August 24, 1979. Northwest, 42km of Eleskirt, Erzurum Province. 1840M. Cultivated. Seed.
470608. TK115-1090. Turkey. Collected August 24, 1979. Northwest, 42km of Eleskirt, Erzurum Province. 1840M. Cultivated. Seed.
470609. TK116-616-6. Turkey. Collected August 24, 1979. Northwest, 37km of Eleskirt, Erzurum Province. 2000M. Cultivated. Seed.
470610. TK116-616-7. Turkey. Collected August 24, 1979. Northwest, 37km of Eleskirt, Erzurum Province. 2000M. Cultivated. Seed.
470611. TK116-616-8. Turkey. Collected August 24, 1979. Northwest, 37km of Eleskirt, Erzurum Province. 2000M. Cultivated. Seed.

470298 TO 470711-continued

470612. TK116-616-9. Turkey. Collected August 24, 1979. Northwest, 37km of Eleskirt, Erzurum Province. 2000M. Cultivated. Seed.
470613. TK116-616-11. Turkey. Collected August 24, 1979. Northwest, 37km of Eleskirt, Erzurum Province. 2000M. Cultivated. Seed.
470614. TK116-1093. Turkey. Collected August 24, 1979. Northwest, 37km of Eleskirt, Erzurum Province. 2000M. Cultivated. Seed.
470615. TK116-1094. Turkey. Collected August 24, 1979. Northwest, 37km of Eleskirt, Erzurum Province. 2000M. Cultivated. Seed.
470616. TK116-1095. Turkey. Collected August 24, 1979. Northwest, 37km of Eleskirt, Erzurum Province. 2000M. Cultivated. Seed.
470617. TK116-1096. Turkey. Collected August 24, 1979. Northwest, 37km of Eleskirt, Erzurum Province. 2000M. Cultivated. Seed.
470618. TK118-618. Turkey. Collected August 24, 1979. South, 13km of Erzurum-Hinis Rd. Junc., Erzurum Province. 1600M. Glumes pubescent, red. Awnless. Cultivated. Seed.
470619. TK119-620-2. Turkey. Collected August 24, 1979. South, 24km of Erzurum-Hinis Rd. Junc., Erzurum Province. 1670M. Cultivated. Seed.
470620. TK119-620-3. Turkey. Collected August 24, 1979. South, 24km of Erzurum-Hinis Rd. Junc., Erzurum Province. 1670M. Cultivated. Seed.
470621. TK121-625. Turkey. Collected August 24, 1979. North, 76km of Hinis, Erzurum Province. 1620M. Glumes pubescent, red. Awnless. Cultivated. Seed.
470622. TK121-626. Turkey. Collected August 24, 1979. North, 76km of Hinis, Erzurum Province. 1620M. Cultivated. Seed.
470623. TK121-627. Turkey. Collected August 24, 1979. North, 76km of Hinis, Erzurum Province. 1620M. Cultivated. Seed.
470624. TK121-629-1. Turkey. Collected August 24, 1979. North, 76km of Hinis, Erzurum Province. 1620M. Cultivated. Seed.
470625. TK121-629-2. Turkey. Collected August 24, 1979. North, 76km of Hinis, Erzurum Province. 1620M. Cultivated. Seed.

470298 TO 470711-continued

470626. TK121-630. Turkey. Collected August 24, 1979. North, 76km of Hınıs, Erzurum Province. 1620M. Cultivated. Seed.
470627. TK121-631. Turkey. Collected August 24, 1979. North, 76km of Hınıs, Erzurum Province. 1620M. Cultivated. Seed.
470628. TK121-632. Turkey. Collected August 24, 1979. North, 76km of Hınıs, Erzurum Province. 1620M. Cultivated. Seed.
470629. TK122-640. Turkey. Collected August 26, 1979. Southeast, 42km of Bayburt, Gumushane Province. 2250M. Cultivated. Seed.
470630. TK123-642. Turkey. Collected August 26, 1979. Southeast, 37km of Bayburt, Gumushane Province. 1920M. Cultivated. Seed.
470631. TK123-643. Turkey. Collected August 26, 1979. Southeast, 37km of Bayburt, Gumushane Province. 1920M. Cultivated. Seed.
470632. TK123-644. Turkey. Collected August 26, 1979. Southeast, 37km of Bayburt, Gumushane Province. 1920M. Cultivated. Seed.
470633. TK123-645. Turkey. Collected August 26, 1979. Southeast, 37km of Bayburt, Gumushane Province. 1920M. Cultivated. Seed.
470634. TK123-646. Turkey. Collected August 26, 1979. Southeast, 37km of Bayburt, Gumushane Province. 1920M. Cultivated. Seed.
470635. TK123-647. Turkey. Collected August 26, 1979. Southeast, 37km of Bayburt, Gumushane Province. 1920M. Cultivated. Seed.
470636. TK123-648. Turkey. Collected August 26, 1979. Southeast, 37km of Bayburt, Gumushane Province. 1920M. Cultivated. Seed.
470637. TK123-650. Turkey. Collected August 26, 1979. Southeast, 37km of Bayburt, Gumushane Province. 1920M. Cultivated. Seed.
470638. TK123-651A. Turkey. Collected August 26, 1979. Southeast, 37km of Bayburt, Gumushane Province. 1920M. Cultivated. Seed.
470639. TK123-651B. Turkey. Collected August 26, 1979. Southeast, 37km of Bayburt, Gumushane Province. 1920M. Cultivated. Seed.

470298 TO 470711-continued

470640. TK124-689. Turkey. Collected August 26, 1979. Threshing area, Tercan, Erzincan Province. 1420M. Cultivated. Seed.
470641. TK124-690. Turkey. Collected August 26, 1979. Threshing area, Tercan, Erzincan Province. 1420M. Cultivated. Seed.
470642. TK124-691. Turkey. Collected August 26, 1979. Threshing area, Tercan, Erzincan Province. 1420M. Cultivated. Seed.
470643. TK124-692. Turkey. Collected August 26, 1979. Threshing area, Tercan, Erzincan Province. 1420M. Cultivated. Seed.
470644. TK124-693. Turkey. Collected August 26, 1979. Threshing area, Tercan, Erzincan Province. 1420M. Cultivated. Seed.
470645. TK124-694. Turkey. Collected August 26, 1979. Threshing area, Tercan, Erzincan Province. 1420M. Cultivated. Seed.
470646. TK124-695. Turkey. Collected August 26, 1979. Threshing area, Tercan, Erzincan Province. 1420M. Cultivated. Seed.
470647. TK124-698A. Turkey. Collected August 26, 1979. Threshing area, Tercan, Erzincan Province. 1420M. Cultivated. Seed.
470648. TK126-656. Turkey. Collected August 27, 1979. West, 56km of Erzincan, Erzincan Province. 1670M. Cultivated. Seed.
470649. TK126-657. Turkey. Collected August 27, 1979. West, 56km of Erzincan, Erzincan Province. 1670M. Cultivated. Seed.
470650. TK126-658. Turkey. Collected August 27, 1979. West, 56km of Erzincan, Erzincan Province. 1670M. Cultivated. Seed.
470651. TK126-659. Turkey. Collected August 27, 1979. West, 56km of Erzincan, Erzincan Province. 1670M. Cultivated. Seed.
470652. TK126-660. Turkey. Collected August 27, 1979. West, 56km of Erzincan, Erzincan Province. 1670M. Cultivated. Seed.
470653. TK126-661. Turkey. Collected August 27, 1979. West, 56km of Erzincan, Erzincan Province. 1670M. Cultivated. Seed.
470654. TK126-662. Turkey. Collected August 27, 1979. West, 56km of Erzincan, Erzincan Province. 1670M. Cultivated. Seed.
470655. TK127-664. Turkey. Collected August 27, 1979. West, 6km of Refahiye, Erzincan Province. 1460M. Glumes glabrous, white. Spring annual. Local name Yazlik. Cultivated. Seed.
470656. TK128-665. Turkey. Collected August 27, 1979. Saip, 20km west of Refahiye, Erzincan Province. 1500M. Cultivated. Seed.

470298 TO 470711-continued

470657. TK128-666A. Turkey. Collected August 27, 1979. Saip, 20km west of Refahiye, Erzincan Province. 1500M. Cultivated. Seed.
470658. TK128-666B. Turkey. Collected August 27, 1979. Saip, 20km west of Refahiye, Erzincan Province. 1500M. Cultivated. Seed.
470659. TK128-667. Turkey. Collected August 27, 1979. Saip, 20km west of Refahiye, Erzincan Province. 1500M. Cultivated. Seed.
470660. TK128-668. Turkey. Collected August 27, 1979. Saip, 20km west of Refahiye, Erzincan Province. 1500M. Cultivated. Seed.
470661. TK128-669. Turkey. Collected August 27, 1979. Saip, 20km west of Refahiye, Erzincan Province. 1500M. Cultivated. Seed.
470662. TK128-670. Turkey. Collected August 27, 1979. Saip, 20km west of Refahiye, Erzincan Province. 1500M. Cultivated. Seed.
470663. TK128-671A. Turkey. Collected August 27, 1979. Saip, 20km west of Refahiye, Erzincan Province. 1500M. Cultivated. Seed.
470664. TK128-671B. Turkey. Collected August 27, 1979. Saip, 20km west of Refahiye, Erzincan Province. 1500M. Cultivated. Seed.
470665. TK128-671C. Turkey. Collected August 27, 1979. Saip, 20km west of Refahiye, Erzincan Province. 1500M. Cultivated. Seed.
470666. TK128-672. Turkey. Collected August 27, 1979. Saip, 20km west of Refahiye, Erzincan Province. 1500M. Cultivated. Seed.
470667. TK129-674. Turkey. Collected August 27, 1979. East, 21km of Imranli, Sivas Province. 1930M. Spring type. Cultivated. Seed.
470668. TK130-676. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470669. TK130-677. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470670. TK130-678A. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.



470298 TO 470711-continued

470671. TK130-678B. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470672. TK130-679A. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470673. TK130-679B. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470674. TK130-680A. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470675. TK130-680B. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470676. TK130-681. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470677. TK130-682A. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470678. TK130-682B. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470679. TK130-683A. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470680. TK130-683B. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470681. TK130-684A. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470682. TK130-684B. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470683. TK130-685. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470684. TK130-686. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470685. TK130-687A. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470686. TK130-688. Turkey. Collected August 27, 1979. East, 13km of Imranli, Sivas Province. 1730M. Cultivated. Seed.
470687. TK131-702A. Turkey. Collected August 28, 1979. Market, Province Centre, Sivas Province. 1300M. Local name Zerum B. Cultivated. Seed.

470298 TO 470711-continued

470688. TK131-702D. Turkey. Collected August 28, 1979. Market, Province Centre, Sivas Province. 1300M. Cultivated. Seed.
470689. TK131-704A. Turkey. Collected August 28, 1979. Market, Province Centre, Sivas Province. 1300M. Cultivated. Seed.
470690. TK131-705A. Turkey. Collected August 28, 1979. Market, Province Centre, Sivas Province. 1300M. Cultivated. Seed.
470691. TK131-705B. Turkey. Collected August 28, 1979. Market, Province Centre, Sivas Province. 1300M. Cultivated. Seed.
470692. TK131-705C. Turkey. Collected August 28, 1979. Market, Province Centre, Sivas Province. 1300M. Cultivated. Seed.
470693. TK131-705D. Turkey. Collected August 28, 1979. Market, Province Centre, Sivas Province. 1300M. Cultivated. Seed.
470694. TK131-706. Turkey. Collected August 28, 1979. Market, Province Centre, Sivas Province. 1300M. Cultivated. Seed.
470695. TK131-709A. Turkey. Collected August 28, 1979. Market, Province Centre, Sivas Province. 1300M. Cultivated. Seed.
470696. TK131-710A. Turkey. Collected August 28, 1979. Market, Province Centre, Sivas Province. 1300M. Cultivated. Seed.
470697. TK132-712. Turkey. Collected August 28, 1979. Southeast, 22km of Yildizeli, Sivas Province. 1310M. Cultivated. Seed.
470698. TK132-713. Turkey. Collected August 28, 1979. Southeast, 22km of Yildizeli, Sivas Province. 1310M. Cultivated. Seed.
470699. TK132-714. Turkey. Collected August 28, 1979. Southeast, 22km of Yildizeli, Sivas Province. 1310M. Cultivated. Seed.
470700. TK132-715A. Turkey. Collected August 28, 1979. Southeast, 22km of Yildizeli, Sivas Province. 1310M. Cultivated. Seed.
470701. TK132-715B. Turkey. Collected August 28, 1979. Southeast, 22km of Yildizeli, Sivas Province. 1310M. Cultivated. Seed.
470702. TK132-716. Turkey. Collected August 28, 1979. Southeast, 22km of Yildizeli, Sivas Province. 1310M. Cultivated. Seed.
470703. TK133-720. Turkey. Collected August 28, 1979. East, 20km

470298 TO 470711-continued

- of Sorgun, Yozgat Province. 1100M. Glumes pubescent, white. Cultivated. Seed.
470704. TK133-721. Turkey. Collected August 28, 1979. East, 20km of Sorgun, Yozgat Province. 1100M. Cultivated. Seed.
470705. TK133-721A. Turkey. Collected August 28, 1979. East, 20km of Sorgun, Yozgat Province. 1100M. Cultivated. Seed.
470706. TK133-721B. Turkey. Collected August 28, 1979. East, 20km of Sorgun, Yozgat Province. 1100M. Cultivated. Seed.
470707. TK133-722. Turkey. Collected August 28, 1979. East, 20km of Sorgun, Yozgat Province. 1100M. Cultivated. Seed.
470708. TK134-726. Turkey. Collected August 28, 1979. Threshing area, 17km SW of Yozgat, Basibuyuklu village, Yozgat Province. 1100M. Cultivated. Seed.
470709. TK134-728B. Turkey. Collected August 28, 1979. Threshing area, 17km SW of Yozgat, Basibuyuklu village, Yozgat Province. 1100M. Cultivated. Seed.
470710. TK134-729. Turkey. Collected August 28, 1979. Southwest, 17km of Yozgat, Basibuyuklu village, Yozgat Province. 1100M. Cultivated. Seed.
470711. TK141-762. Turkey. Collected September 03, 1979. Roadside, Menemen Plain. 15M. Cultivated. Seed.

470712 TO 470728. *Triticum boeoticum* Boiss. (Poaceae).

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir.  
Received April 1982.

470712. TK2-11. Turkey. Collected August 08, 1979. East, 1 km of Kaman, Kirsehir Province. 1020M. Wild. Seed.
470713. TK2-13. Turkey. Collected August 08, 1979. East, 1 km of Kaman, Kirsehir Province. 1020M. Wild. Seed.
470714. TK2-14. Turkey. Collected August 08, 1979. East, 1 km of Kaman, Kirsehir Province. 1020M. Wild. Seed.
470715. TK2-15. Turkey. Collected August 08, 1979. East, 1 km of Kaman, Kirsehir Province. 1020M. Wild. Seed.
470716. TK2-16. Turkey. Collected August 08, 1979. East, 1 km of Kaman, Kirsehir Province. 1020M. Wild. Seed.

470712 TO 470728-continued

470717. TK2-17. Turkey. Collected August 08, 1979. East, 1 km of Kaman, Kirsehir Province. 1020M. Wild. Seed.
470718. TK5-30. Turkey. Collected August 08, 1979. Southeast, 9km of Urgup, Nevsehir Province. 1200M. Wild. Seed.
470719. TK9-45. Turkey. Collected August 09, 1979. Southwest, 6km of Pinarbasi, Kayseri Province. 1590M. Wild. Seed.
470720. TK10-46-1. Turkey. Collected August 09, 1979. Northeast, 10km of Pinarbasi, Kayseri Province. 1510M. Wild. Seed.
470721. TK10-46-2. Turkey. Collected August 09, 1979. Northeast, 10km of Pinarbasi, Kayseri Province. 1510M. Wild. Seed.
470722. TK10-47. Turkey. Collected August 09, 1979. Northeast, 10km of Pinarbasi, Kayseri Province. 1510M. Wild. Seed.
470723. TK11-50. Turkey. Collected August 09, 1979. Northeast, 46km of Pinarbasi, Kayseri Province. 1770M. Wild. Seed.
470724. TK11-51. Turkey. Collected August 09, 1979. Northeast, 46km of Pinarbasi, Kayseri Province. 1770M. Wild. Seed.
470725. TK13-60. Turkey. Collected August 09, 1979. Southeast, 32km of Darende, Malatya Province. 1780M. Wild. Seed.
470726. TK16-72. Turkey. Collected August 10, 1979. Southwest, 25km of Elazig, Elazig Province. 1160M. Wild. Seed.
470727. TK16-74. Turkey. Collected August 10, 1979. Southwest, 25km of Elazig, Elazig Province. 1160M. Wild. Seed.
470728. TK19-86. Turkey. Collected August 10, 1979. Northwest, 27km of Maden, Elazig Province. 1310M. Wild. Seed.

470729 TO 470734. *Triticum carthlicum* Nevski (Poaceae) Persian wheat.

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir.  
Received April 1982.

470729. TK97-503. Turkey. Collected August 19, 1979. Northeast, 13km of Sarikamis, Kars Province. 1880M. Plants tetraploid. Cultivated. Seed.
470730. TK98-517-1. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Plants tetraploid. Cultivated. Seed.

470729 TO 470734-continued

470731. TK99-522A. Turkey. Collected August 20, 1979. Northwest, 9km of Arpacay, Kars Province. 1920M. Cultivated. Seed.
470732. TK99-526B-2. Turkey. Collected August 20, 1979. Northwest, 9km of Arpacay, Kars Province. 1920M. Plants tetraploid. Cultivated. Seed.
470733. TK103-544A. Turkey. Collected August 20, 1979. West, 29km of Cildir, Kars Province. 1800M. Plants tetraploid. Cultivated. Seed.
470734. TK108-572C. Turkey. Collected August 21, 1979. North, 40km of Gole, Kars Province. 1840M. Plants tetraploid. Cultivated. Seed.

470735. *Triticum compactum* Host (Poaceae) Club wheat.

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir.  
Received April 1982.

TK116-616-1. Turkey. Collected August 24, 1979. Northwest, 37km of Eleskirt, Erzurum Province. 2000M. Glumes glabrous, red. Cultivated. Seed.

470736. *Triticum dicoccoides* (Koern. ex Asch. & Graebn.) Aaronsohn (Poaceae) Wild emmer.

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir.  
Received April 1982.

TK20-99. Turkey. Collected August 10, 1979. Northwest, 50km of Diyarbakir, Elazig Province. 890M. Cultivated. Seed.

470737 TO 470739. *Triticum dicoccon* Schrank (Poaceae) Emmer.

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir.  
Received April 1982.

470737. TK98-506. Kaplica. Turkey. Collected August 20, 1979.

**470737 TO 470739-continued**

Southwest, 12km of Arpacay, Kars Province. 1590M. Glumes white. Cultivated. Seed.

470738. TK98-507. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Red glumes. Cultivated. Seed.

470739. TK98-511. Turkey. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Cultivated. Seed.

**470740 TO 470744. *Triticum durum* Desf. (Poaceae) Durum wheat.**

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir.  
Received April 1982.

470740. TK12-58. Turkey. Collected August 09, 1979. South, 5km of Darende, Malatya Province. 1030M. Local name Birkman. Cultivated. Seed.

470741. TK125-699A. Karakilcik. Turkey. Collected August 27, 1979. Market, Province Centre, Erzincan Province. 1200M. Cultivated. Seed.

470742. TK126-654. Turkey. Collected August 27, 1979. West, 56km of Erzincan, Erzincan Province. 1670M. Glumes glabrous, blue. Cultivated. Seed.

470743. TK126-655. Turkey. Collected August 27, 1979. West, 56km of Erzincan, Erzincan Province. 1670M. Cultivated. Seed.

470744. TK134-725. Saribursa. Turkey. Collected August 28, 1979. Southwest, 17km of Yozgat, Basibuyuklu village, Yozgat Province. 1100M. Glumes glabrous, red. Cultivated. Seed.

**470745 TO 470756. *Triticum* sp. (Poaceae).**

From Turkey. R. Metzger, J. Hoffmann, H. Sencer, & M. Kanbertay, Oregon and Utah State Universities, USDA, and Regional Agricultural Research Institute, Corvallis, Oregon, Logan, Utah, and Izmir.  
Received April 1982.

470745. TK67-366. Collected August 15, 1979. Northeast, 10km of Hakkari-Yusekova, Hakkari Province. 1760M. Cultivated. Seed.

470746. TK67-366B. Collected August 15, 1979. Northeast, 10km of Hakkari-Yusekova, Hakkari Province. 1760M. Cultivated.

470745 TO 470756-continued

Seed.

470747. TK98-518. Collected August 20, 1979. Southwest, 12km of Arpacay, Kars Province. 1590M. Cultivated. Seed.
470748. TK99-522B. Collected August 20, 1979. Northwest, 9km of Arpacay, Kars Province. 1920M. Cultivated. Seed.
470749. TK99-525. Collected August 20, 1979. Northwest, 9km of Arpacay, Kars Province. 1920M. Cultivated. Seed.
470750. TK103-544B-2. Collected August 20, 1979. West, 29km of Cildir, Kars Province. 1800M. Cultivated. Seed.
470751. TK104-552A. Collected August 21, 1979. Northwest, 24km of Kars towards Gole, Kars Province. 1700M. Cultivated. Seed.
470752. TK125-699B. Collected August 27, 1979. Market, Province Centre, Erzincan Province. 1200M. Cultivated. Seed.
470753. TK 125-700. Akkarakilcik. Collected August 27, 1979. Market, Province Centre, Erzincan Province. 1200M. Bulk sample. Cultivated. Seed.
470754. TK125-700A. Akkarakilcik. Collected August 27, 1979. Market, Province Centre, Erzincan Province. 1200M. Cultivated. Seed.
470755. TK125-1107. Collected August 27, 1979. Market, Province Centre, Erzincan Province. 1200M. Cultivated. Seed.
470756. TK125-1108. Collected August 27, 1979. Market, Province Centre, Erzincan Province. 1200M. Cultivated. Seed.

470757. *Triticum aestivum* L. (Poaceae) Common wheat.

From Italy. Istituto del Germoplasma, Consiglio Nazionale delle Ricerche, 70126 Bari.  
Received July 1982.

MG 17955. Algeria. Cultivated. Seed.

470758 TO 470914. *Triticum durum* Desf. (Poaceae) Durum wheat.

From Italy. Istituto del Germoplasma, Consiglio Nazionale delle Ricerche, 70126 Bari.  
Received July 1982.

470758. MG 4468. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.

470758 TO 470914-continued

470759. MG 4469. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470760. MG 4470. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470761. MG 4471. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470762. MG 4472. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470763. MG 4473. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470764. MG 4474. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470765. MG 4475. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470766. MG 4476. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470767. MG 4477. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470768. MG 4478. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470769. MG 4479. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470770. MG 4480. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470771. MG 4481. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470772. MG 4482. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470773. MG 4483. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470774. MG 4484. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470775. MG 4485. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470776. MG 4486. Italy. Collected 1971. Sicily. Collected by E.



470758 TO 470914-continued

- Porceddu and E. Bennett. Cultivated. Seed.
470777. MG 4487. Italy. Collected 1971. Sicily. Collected by E. Porceddu and E. Bennett. Cultivated. Seed.
470778. MG 7696. Ethiopia. Collected December 06, 1973. Lat. 9 deg. 09' N, Long. 38 deg. 26' E. 2700M. Cultivated. Seed.
470779. MG 7698. Ethiopia. Collected December 06, 1973. Lat. 9 deg. 13' N, Long. 38 deg. 25' E. 2720M. Cultivated. Seed.
470780. MG 7699. Ethiopia. Collected December 07, 1973. Lat. 9 deg. 12' N, Long. 38 deg. 36' E. 2440M. Cultivated. Seed.
470781. MG 7701. Ethiopia. Collected December 07, 1973. Lat. 9 deg. 13' N, Long. 38 deg. 33' E. 2470M. Cultivated. Seed.
470782. MG 7702. Ethiopia. Collected December 07, 1973. Lat. 9 deg. 12' N, Long. 38 deg. 33' E. 2540M. Cultivated. Seed.
470783. MG 7703. Ethiopia. Collected December 07, 1973. Lat. 9 deg. 13' N, Long. 38 deg. 38' E. 2550M. Cultivated. Seed.
470784. MG 7851. Ethiopia. Collected December 06, 1973. Lat. 9 deg. 08' N, Long. 38 deg. 59' E. 2480M. Cultivated. Seed.
470785. MG 7852. Ethiopia. Collected December 06, 1973. Lat. 9 deg. 18' N, Long. 39 deg. 14' E. 2760M. Cultivated. Seed.
470786. MG 7853. Ethiopia. Collected December 07, 1973. Lat. 9 deg. 38' N, Long. 39 deg. 22' E. 2720M. Cultivated. Seed.
470787. MG 7854. Ethiopia. Collected December 07, 1973. Lat. 9 deg. 37' N, Long. 39 deg. 17' E. 2670M. Cultivated. Seed.
470788. MG 7855. Ethiopia. Collected December 07, 1973. Lat. 9 deg. 43' N, Long. 39 deg. 04' E. 2560M. Cultivated. Seed.
470789. MG 7856. Ethiopia. Collected July 19, 1974. Lat. 9 deg. 42' N, Long. 38 deg. 50' E. 2560M. Cultivated. Seed.
470790. MG 7857. Ethiopia. Collected December 08, 1973. Lat. 9 deg. 03' N, Long. 38 deg. 33' E. 2580M. Cultivated. Seed.
470791. MG 7858. Ethiopia. Collected December 10, 1973. 2220M. Cultivated. Seed.
470792. MG 7859. Ethiopia. Collected December 10, 1973. 2180M. Cultivated. Seed.
470793. MG 7860. Ethiopia. Collected December 10, 1973. 2180M. Cultivated. Seed.

470758 TO 470914-continued

470794. MG 7861. Ethiopia. Collected December 10, 1973. 2150M. Cultivated. Seed.
470795. MG 7862. Ethiopia. Collected December 12, 1973. 1590M. Cultivated. Seed.
470796. MG 7874. Ethiopia. Collected December 12, 1973. 1620M. Cultivated. Seed.
470797. MG 7875. Ethiopia. Collected December 12, 1973. 2710M. Cultivated. Seed.
470798. MG 7876. Ethiopia. Collected December 12, 1973. 2710M. Cultivated. Seed.
470799. MG 7877. Ethiopia. Collected December 12, 1973. 1740M. Cultivated. Seed.
470800. MG 7878. Ethiopia. Collected December 12, 1973. 2420M. Cultivated. Seed.
470801. MG 7902. Ethiopia. Collected December 12, 1973. Lat. 9 deg. 30' N, Long. 38 deg. 53' E. 2570M. Cultivated. Seed.
470802. MG 7910. Ethiopia. Collected December 12, 1973. Lat. 10 deg. 02' N, Long. 39 deg. 33' E. Cultivated. Seed.
470803. MG 7911. Ethiopia. Collected December 12, 1973. 2280M. Cultivated. Seed.
470804. MG 7912. Ethiopia. Collected December 13, 1973. 2400M. Cultivated. Seed.
470805. MG 7913. Ethiopia. Collected December 13, 1973. 2400M. Cultivated. Seed.
470806. MG 7915. Ethiopia. Collected December 13, 1973. 2500M. Cultivated. Seed.
470807. MG 15876. Ethiopia. Collected December 13, 1973. Lat. 9 deg. 05' N, Long. 38 deg. 25' E. 2550M. Cultivated. Seed.
470808. MG 15879. Ethiopia. Collected December 14, 1973. Lat. 9 deg. 01' N, Long. 38 deg. 16' E. 2550M. Cultivated. Seed.
470809. MG 15880. Ethiopia. Collected December 14, 1973. Lat. 9 deg. 07' N, Long. 38 deg. 23' E. 2620M. Cultivated. Seed.
470810. MG 17949. Algeria. Collected April 19, 1975. Lat. 31 deg. 0' N, Long 2 deg. 40' E. 580M. Cultivated. Seed.
470811. MG 17950. Algeria. Collected April 19, 1975. Lat. 31 deg.

470758 TO 470914-continued

- 0' N, Long. 2 deg. 40' E. 580M. Cultivated. Seed.
470812. MG 17951. Algeria. Collected April 20, 1975. Lat. 27 deg. 50' N, Long. 0 deg. 25' E. 250M. Cultivated. Seed.
470813. MG 17953. Algeria. Collected April 20, 1975. Lat. 29 deg. 20' N, Long. 0 deg. 18' E. 290M. Cultivated. Seed.
470814. MG 17954. Algeria. Collected April 20, 1975. Lat. 29 deg. 20' N, Long. 0 deg. 18' E. 290M. Cultivated. Seed.
470815. MG 17956. Algeria. Collected May 27, 1975. Lat. 33 deg. 05' N, Long. 6 deg. 04' E. 30M. Cultivated. Seed.
470816. MG 17958. Algeria. Collected May 27, 1975. Lat. 33 deg. 05' N, Long. 6 deg. 04' E. 30M. Cultivated. Seed.
470817. MG 17960. Algeria. Collected May 27, 1975. Lat. 33 deg. 05' N, Long. 6 deg. 04' E. 30M. Cultivated. Seed.
470818. MG 17961. Algeria. Collected May 27, 1975. Lat. 33 deg. 05' N, Long. 6 deg. 04' E. 30M. Cultivated. Seed.
470819. MG 17962. Algeria. Collected May 27, 1975. Lat. 33 deg. 05' N, Long. 6 deg. 04' E. 30M. Cultivated. Seed.
470820. MG 17964. Algeria. Collected May 28, 1975. Lat. 33 deg. 27' N, Long. 5 deg. 41' E. 150M. Cultivated. Seed.
470821. MG 17965. Algeria. Collected May 28, 1975. Lat. 33 deg. 27' N, Long. 5 deg. 41' E. 150M. Cultivated. Seed.
470822. MG 17966. Algeria. Collected May 30, 1975. Lat. 34 deg. 34' N, Long. 5 deg. 08' E. 180M. Cultivated. Seed.
470823. MG 17967. Algeria. Collected May 30, 1975. Lat. 34 deg. 36' N, Long. 5 deg. 08' E. 180M. Cultivated. Seed.
470824. MG 17968. Algeria. Collected May 30, 1975. Lat. 34 deg. 42' N, Long. 5 deg. 06' E. 180M. Cultivated. Seed.
470825. MG 17969. Algeria. Collected May 30, 1975. Lat. 34 deg. 44' N, Long. 5 deg. 06' E. 220M. Cultivated. Seed.
470826. MG 17970. Algeria. Collected May 31, 1975. Lat. 34 deg. 42' N, Long. 5 deg. 56' E. Cultivated. Seed.
470827. MG 17972. Algeria. Collected May 31, 1975. Lat. 34 deg. 40' N, Long. 6 deg. 30' E. 10M. Cultivated. Seed.
470828. MG 17973. Algeria. Collected May 31, 1975. Lat. 34 deg. 43' N, Long. 6 deg. 33' E. 30M. Cultivated. Seed.

470758 TO 470914-continued

470829. MG 17974. Algeria. Collected June 01, 1975. Lat. 35 deg. 09' N, Long. 5 deg. 40' E. 450M. Cultivated. Seed.
470830. MG 17975. Algeria. Collected June 07, 1975. Lat. 33 deg. 53' N, Long. 2 deg. 32' E. 880M. Cultivated. Seed.
470831. MG 17976. Algeria. Collected June 08, 1975. Lat. 33 deg. 49' N, Long. 2 deg. 58' E. 820M. Cultivated. Seed.
470832. MG 17977. Algeria. Collected June 28, 1975. Lat. 36 deg. 05' N, Long. 1 deg. 23' E. 110M. Cultivated. Seed.
470833. MG 17978. Algeria. Collected June 28, 1975. Lat. 36 deg. 41' N, Long. 1 deg. 12' E. 130M. Cultivated. Seed.
470834. MG 17980. Algeria. Collected June 28, 1975. Lat. 36 deg. 11' N, Long. 1 deg. 01' E. 500M. Cultivated. Seed.
470835. MG 17981. Algeria. Collected June 28, 1975. Lat. 36 deg. 11' N, Long. 1 deg. 01' E. 450M. Cultivated. Seed.
470836. MG 17983. Algeria. Collected June 29, 1975. Lat. 36 deg. 23' N, Long. 1 deg. 16' E. 200M. Cultivated. Seed.
470837. MG 17984. Algeria. Collected June 29, 1975. Lat. 36 deg. 20' N, Long. 1 deg. 18' E. 330M. Cultivated. Seed.
470838. MG 17985. Algeria. Collected June 29, 1975. Lat. 36 deg. 20' N, Long. 1 deg. 18' E. 330M. Cultivated. Seed.
470839. MG 17986. Algeria. Collected June 29, 1975. Lat. 36 deg. 20' N, Long. 1 deg. 18' E. 330M. Cultivated. Seed.
470840. MG 17987. Algeria. Collected June 30, 1975. Lat. 35 deg. 58' N, Long. 0 deg. 33' E. 30M. Cultivated. Seed.
470841. MG 17989. Algeria. Collected June 30, 1975. Lat. 35 deg. 43' N, Long. 0 deg. 25' E. 90M. Cultivated. Seed.
470842. MG 17990. Algeria. Collected June 30, 1975. Lat. 35 deg. 43' N, Long. 0 deg. 25' E. 85M. Cultivated. Seed.
470843. MG 17991. Algeria. Collected June 30, 1975. Lat. 35 deg. 43' N, Long. 0 deg. 50' E. 420M. Cultivated. Seed.
470844. MG 17992. Algeria. Collected June 30, 1975. Lat. 35 deg. 43' N, Long. 0 deg. 40' E. 430M. Cultivated. Seed.
470845. MG 17993. Algeria. Collected June 30, 1975. Lat. 35 deg. 43' N, Long. 0 deg. 40' E. 430M. Cultivated. Seed.
470846. MG 17994. Algeria. Collected July 01, 1975. Lat. 35 deg.

470758 TO 470914-continued

- 28' N, Long. 0 deg. 32' E. 80M. Cultivated. Seed.
470847. MG 17995. Algeria. Collected July 01, 1975. Lat. 35 deg. 28' N, Long. 0 deg. 32' E. 60M. Cultivated. Seed.
470848. MG 17996. Algeria. Collected July 01, 1975. Lat. 35 deg. 28' N, Long. 0 deg. 32' E. 60M. Cultivated. Seed.
470849. MG 17997. Algeria. Collected July 01, 1975. Lat. 35 deg. 51' N, Long. 0 deg. 17' E. 20M. Cultivated. Seed.
470850. MG 17998. Algeria. Collected July 01, 1975. Lat. 35 deg. 42' N, Long. 0 deg. 21' E. 20M. Cultivated. Seed.
470851. MG 17999. Algeria. Collected July 01, 1975. Lat. 35 deg. 34' N, Long. 0 deg. 26' E. 20M. Cultivated. Seed.
470852. MG 18000. Algeria. Collected July 01, 1975. Lat. 35 deg. 29' N, Long. 0 deg. 33' E. 20M. Cultivated. Seed.
470853. MG 18001. Algeria. Collected July 02, 1975. Lat. 34 deg. 55' N, Long. 1 deg. 17' E. 470M. Cultivated. Seed.
470854. MG 18003. Algeria. Collected July 03, 1975. Lat. 35 deg. 04' N, Long. 0 deg. 58' E. 490M. Cultivated. Seed.
470855. MG 18004. Algeria. Collected July 03, 1975. Lat. 35 deg. 04' N, Long. 0 deg. 58' E. 610M. Cultivated. Seed.
470856. MG 18005. Algeria. Collected July 04, 1975. Lat. 35 deg. 10' N, Long. 1 deg. 00' E. 580M. Cultivated. Seed.
470857. MG 18006. Algeria. Collected July 04, 1975. Lat. 35 deg. 26' N, Long. 0 deg. 41' E. 135M. Cultivated. Seed.
470858. MG 18007. Algeria. Collected July 04, 1975. Lat. 35 deg. 24' N, Long. 0 deg. 45' E. 110M. Cultivated. Seed.
470859. MG 18008. Algeria. Collected July 04, 1975. Lat. 35 deg. 27' N, Long. 0 deg. 57' E. 70M. Cultivated. Seed.
470860. MG 18009. Algeria. Collected July 04, 1975. Lat. 35 deg. 23' N, Long. 0 deg. 55' E. 70M. Cultivated. Seed.
470861. MG 18010. Algeria. Collected July 04, 1975. Lat. 35 deg. 23' N, Long. 0 deg. 55' E. 65M. Cultivated. Seed.
470862. MG 18011. Algeria. Collected July 04, 1975. Lat. 35 deg. 22' N, Long. 0 deg. 52' E. 70M. Cultivated. Seed.
470863. MG 18012. Algeria. Collected July 06, 1975. Lat. 34 deg. 50' N, Long. 3 deg. 40' E. 640M. Cultivated. Seed.

470758 TO 470914--continued

470864. MG 18013. Algeria. Collected July 06, 1975. Lat. 34 deg. 43' N, Long. 0 deg. 37' E. 1150M. Cultivated. Seed.
470865. MG 18014. Algeria. Collected July 07, 1975. Lat. 35 deg. 19' N, Long. 0 deg. 40' E. 510M. Cultivated. Seed.
470866. MG 18015. Algeria. Collected July 07, 1975. Lat. 35 deg. 19' N, Long. 0 deg. 40' E. 510M. Cultivated. Seed.
470867. MG 18016. Algeria. Collected July 07, 1975. Lat. 35 deg. 19' N, Long. 0 deg. 40' E. 510M. Cultivated. Seed.
470868. MG 18017. Algeria. Collected July 07, 1975. Lat. 35 deg. 12' N, Long. 0 deg. 12' E. 430M. Cultivated. Seed.
470869. MG 18018. Algeria. Collected July 07, 1975. Lat. 35 deg. 13' N, Long. 0 deg. 06' E. 450M. Cultivated. Seed.
470870. MG 18019. Algeria. Collected July 08, 1975. Lat. 35 deg. 08' N, Long. 0 deg. 00' E. 430M. Cultivated. Seed.
470871. MG 18020. Algeria. Collected July 08, 1975. Lat. 35 deg. 19' N, Long. 0 deg. 21' E. 470M. Cultivated. Seed.
470872. MG 18021. Algeria. Collected July 08, 1975. Lat. 35 deg. 17' N, Long. 0 deg. 21' E. 700M. Cultivated. Seed.
470873. MG 18024. Algeria. Collected July 09, 1975. Lat. 34 deg. 49' N, Long. 0 deg. 09' E. 950M. Cultivated. Seed.
470874. MG 18025. Algeria. Collected July 10, 1975. Lat. 35 deg. 16' N, Long. 0 deg. 33' E. 550M. Cultivated. Seed.
470875. MG 18026. Algeria. Collected July 10, 1975. Lat. 35 deg. 10' N, Long. 1 deg. 12' E. 1060M. Cultivated. Seed.
470876. MG 18027. Algeria. Collected July 10, 1975. Lat. 35 deg. 34' N, Long. 1 deg. 02' E. 670M. Cultivated. Seed.
470877. MG 18028. Algeria. Collected July 10, 1975. Lat. 35 deg. 31' N, Long. 1 deg. 03' E. 670M. Cultivated. Seed.
470878. MG 18029. Algeria. Collected July 10, 1975. Lat. 35 deg. 29' N, Long. 1 deg. 06' E. 540M. Cultivated. Seed.
470879. MG 18030. Algeria. Collected July 11, 1975. Lat. 35 deg. 27' N, Long. 1 deg. 29' E. 920M. Cultivated. Seed.
470880. MG 18032. Algeria. Collected July 11, 1975. Lat. 35 deg. 35' N, Long. 1 deg. 38' E. 700M. Cultivated. Seed.
470881. MG 18033. Algeria. Collected July 11, 1975. Lat. 35 deg.

470758 TO 470914-continued

- 35' N, Long. 1 deg. 40' E. 700M. Cultivated. Seed.
470882. MG 18034. Algeria. Collected July 11, 1975. Lat. 35 deg. 20' N, Long. 1 deg. 21' E. 920M. Cultivated. Seed.
470883. MG 18035. Algeria. Collected July 11, 1975. Lat. 35 deg. 15' N, Long. 1 deg. 25' E. 1000M. Cultivated. Seed.
470884. MG 18036. Algeria. Collected July 12, 1975. Lat. 35 deg. 25' N, Long. 1 deg. 23' E. 980M. Cultivated. Seed.
470885. MG 18038. Algeria. Collected July 12, 1975. Lat. 35 deg. 41' N, Long. 1 deg. 58' E. 956M. Cultivated. Seed.
470886. MG 18039. Algeria. Collected July 12, 1975. Lat. 36 deg. 11' N, Long. 2 deg. 49' E. 1000M. Cultivated. Seed.
470887. MG 18041. Algeria. Collected July 13, 1975. Lat. 36 deg. 08' N, Long. 2 deg. 53' E. 73M. Cultivated. Seed.
470888. MG 18042. Algeria. Collected July 13, 1975. Lat. 36 deg. 17' N, Long. 2 deg. 42' E. 730M. Cultivated. Seed.
470889. MG 18043. Algeria. Collected July 13, 1975. Lat. 36 deg. 16' N, Long. 2 deg. 41' E. 620M. Cultivated. Seed.
470890. MG 18044. Algeria. Collected July 13, 1975. Lat. 36 deg. 03' N, Long. 2 deg. 55' E. 600M. Cultivated. Seed.
470891. MG 18045. Algeria. Collected July 13, 1975. Lat. 35 deg. 54' N, Long. 2 deg. 43' E. 850M. Cultivated. Seed.
470892. MG 18046. Algeria. Collected July 14, 1975. Lat. 35 deg. 56' N, Long. 2 deg. 39' E. 1000M. Cultivated. Seed.
470893. MG 18047. Algeria. Collected July 14, 1975. Lat. 35 deg. 56' N, Long. 2 deg. 39' E. 1000M. Cultivated. Seed.
470894. MG 18048. Algeria. Collected July 14, 1975. Lat. 35 deg. 56' N, Long. 2 deg. 39' E. 1000M. Cultivated. Seed.
470895. MG 18049. Algeria. Collected July 14, 1975. Lat. 35 deg. 57' N, Long. 2 deg. 37' E. 1060M. Cultivated. Seed.
470896. MG 18050. Algeria. Collected July 15, 1975. Lat. 35 deg. 58' N, Long. 2 deg. 59' E. 660M. Cultivated. Seed.
470897. MG 18051. Algeria. Collected July 15, 1975. Lat. 35 deg. 58' N, Long. 2 deg. 59' E. 660M. Cultivated. Seed.
470898. MG 18052. Algeria. Collected July 15, 1975. Lat. 35 deg. 58' N, Long. 2 deg. 59' E. 660M. Cultivated. Seed.

470758 TO 470914-continued

470899. MG 18053. Algeria. Collected July 15, 1975. Lat. 36 deg. 13' N, Long. 2 deg. 55' E. 1060M. Cultivated. Seed.
470900. MG 18054. Algeria. Collected July 15, 1975. Lat. 36 deg. 14' N, Long. 2 deg. 57' E. 1000M. Cultivated. Seed.
470901. MG 18055. Algeria. Collected July 15, 1975. Lat. 36 deg. 15' N, Long. 2 deg. 58' E. 1000M. Cultivated. Seed.
470902. MG 18057. Algeria. Collected July 17, 1975. Lat. 34 deg. 14' N, Long. 2 deg. 28' E. 1220M. Cultivated. Seed.
470903. MG 18058. Algeria. Collected July 17, 1975. Lat. 34 deg. 13' N, Long. 2 deg. 23' E. 1300M. Cultivated. Seed.
470904. MG 18059. Algeria. Collected July 17, 1975. Lat. 34 deg. 12' N, Long. 2 deg. 16' E. 1380M. Cultivated. Seed.
470905. MG 18060. Algeria. Collected July 17, 1975. Lat. 34 deg. 05' N, Long. 2 deg. 04' E. 1380M. Cultivated. Seed.
470906. MG 18061. Algeria. Collected July 17, 1975. Lat. 34 deg. 02' N, Long. 2 deg. 01' E. 1400M. Cultivated. Seed.
470907. MG 18062. Algeria. Collected July 17, 1975. Lat. 34 deg. 02' N, Long. 2 deg. 01' E. 1400M. Cultivated. Seed.
470908. MG 18065. Algeria. Collected July 18, 1975. Lat. 34 deg. 29' N, Long. 3 deg. 15' E. 1200M. Cultivated. Seed.
470909. MG 18066. Algeria. Collected July 18, 1975. Lat. 34 deg. 36' N, Long. 3 deg. 14' E. 1130M. Cultivated. Seed.
470910. MG 18067. Algeria. Collected July 18, 1975. Lat. 34 deg. 44' N, Long. 3 deg. 11' E. 1000M. Cultivated. Seed.
470911. MG 18068. Algeria. Collected July 18, 1975. Lat. 34 deg. 48' N, Long. 3 deg. 07' E. 960M. Cultivated. Seed.
470912. MG 18069. Algeria. Collected July 18, 1975. Lat. 34 deg. 53' N, Long. 3 deg. 29' E. 1080M. Cultivated. Seed.
470913. MG 18070. Algeria. Collected July 18, 1975. Lat. 34 deg. 54' N, Long. 3 deg. 30' E. 1100M. Cultivated. Seed.
470914. MG 18071. Algeria. Cultivated. Seed.

470915. *Beta vulgaris* L. (Chenopodiaceae) Sugarbeet.

From China, Peoples Repub of. C. H. Young, Academy of Agricultural Sciences of Inner Mongolia, Huhehot.



**470915-continued**

Received August 1982.

'Inner Mongolia No. 5'. China, Peoples Repub of.  
Resistant to Cercospora leaf spot. Breeding Material.  
Seed.

**470916 TO 470919. *Lens culinaris* Medik. (Fabaceae) Lentil.**

From Brazil. C. Vieira, Universidade Federal de Vicosa, 36570  
Vicosa, Minas Gerais.  
Received August 1982.

470916. Carzinho. Cultivated. Seed.

470917. Chilena-2. Cultivated. Seed.

470918. Creoula. Cultivated. Seed.

470919. Hebron. Cultivated. Seed.

**470920. *Astragalus adsurgens* Pall. (Fabaceae).**

From China, Peoples Repub of. T. S. Hu, Institute of Soils and  
Fertilizers, Chinese Academy of Agricultural Sciences,  
Beijing.  
Received September 1982.

Seed.

**470921. *Allium cepa* L. (Amaryllidaceae) Onion.**

From Philippines. National Plant Genetic Resources Laboratory,  
University of the Philippines at Los Banos, Laguna.  
Received September 1982.

Batanes. Philippines. Cultivated. Seed.

**470922 TO 470923. *Allium sativum* L. (Amaryllidaceae) Garlic.**

From Philippines. National Plant Genetic Resources Laboratory,  
University of the Philippines at Los Banos, Laguna.  
Received September 1982.

470922. Ilocos. Philippines. Large type. Cultivated. Corms.

470923. Ilocos. Philippines. Small type. Cultivated. Corms.

470924. *Aframomum giganteum* (Oliv. & Hanb.) K. Schum. (Zingiberaceae).

From Gabon. R. W. Cooper, San Diego State College, San Diego, California, USA. Received through San Diego Zoological Garden, San Diego, California.  
Received May 1982.

Gabon. Collected January 1982. Near Libreville. Various animals feed on the fruit. Sometimes referred to as gorilla grass. Wild. Seed.

470925 TO 470926. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. L. R. Nelson, Texas Agricultural Experiment Station, Texas A&M University, Overton, TX.  
Received September 1982.

470925. Tx-0-73-93. Arthur 71/Siete Cerros//Coker 70-14. Soft red type. Winter Annual. Breeding Material. Seed.

470926. Tx-0-78-7303. CI 13836/Chancellor. Soft red type. Winter Annual. Breeding Material. Seed.

470927. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Department of Agronomy, Colorado Agricultural Experiment Station, Colorado State University, Fort Collins, Colorado.  
Received September 1982.

CO 778785. 'Hail'. United States. Mexican/USA//Scout/3/Mara/4/Scout/5/CIANO/6/Trapper/7/Parker. Developed with support from the Colorado Wheat Administrative Committee, Colorado Seed Growers and private industry. Plants semi-dwarf. Heads lax, bearded. Chaff white. Appearance and performance similar to Vona. Tolerant to hail, 15% higher yield than Vona after moderate hail storm. Less lodging than Vona under high yield conditions. Cultivar. Seed.

470928. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. J. W. Johnson, Department of Agronomy, University of Georgia, Experiment, Georgia.  
Received September 1982.

H73-1-1-2. United States. McNair 1813/Purdue 67130. Plants short, soft red type. Maturity early. Heads beardless. Excellent test weight, milling and baking quality. Resistant to Hessian fly. Moderately resistant to powdery mildew and leaf rust. Winter Annual. Cultivated. Seed.

470929 TO 470930. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Sweden. Algot Holmberg & Soner AB, Fiskeby 605 90 Norrokoping. Received through H.D. Voldeng, Ottawa Research Station, Ottawa, Ontario, Canada. Received August 1980.

470929. 'Bravalla'. SP. Cp. 22B x Fiskeby IV (843-20-1). Released in 1975. Cultivar. Seed.

470930. 'Traff'. 840-2-7 x 751-8-1-15. Released in 1978. Cultivar. Seed.

470931. *Canavalia ensiformis* (L.) DC. (Fabaceae) Jackbean.

From Bolivia. Amado del Valle, Food for the Hungry International, La Paz. Received through Plenty Agricultural Project, Summertown, TN. Received July 1982.

7. Peru. Collected January 16, 1982. Pacanguilla, La Libertad. Received as *Phaseolus* sp. Cultivated. Seed.

470932. *Chenopodium quinoa* Willd. (Chenopodiaceae) Quinoa.

From Bolivia. Amado del Valle, Food for the Hungry International, La Paz. Received through Plenty Agricultural Project, Summertown, TN. Received July 1982.

3. Bolivia. Belen. Estacion Experimental. Collected April 11, 1982. Bitter quinoa, used for food. Local name Pasan Ralle. Cultivated. Seed.

470933. *Cucurbita pepo* L. (Cucurbitaceae).

From Bolivia. Amado del Valle, Food for the Hungry International, La Paz. Received through Plenty Agricultural Project, Summertown, TN. Received July 1982.

2. Peru. Collected March 27, 1982. Pacanguilla, Chepen, La Libertad. Leaves wide. Spreading habit. Fruits up to 50 kg. Local name Zapallo grande. Cultivated. Seed.

470934 TO 470935. *Phaseolus lunatus* L. (Fabaceae) Lima bean.

From Bolivia. Amado del Valle, Food for the Hungry International, La Paz. Received through Plenty Agricultural Project, Summertown, TN.

470934 TO 470935-continued  
Received July 1982.

470934. 4. Peru. Collected March 15, 1982. Pacanguilla, Chepen, La Libertad. Climbing type. Flowers white. Adapted to droughty conditions and poor soil. Local name Pallar. Cultivated. Seed.
470935. 9. Peru. Collected October 18, 1981. Selva baja del Peru en Ucallaly, Pucallpa. Vigorous climbing type. Grows well under jungle conditions under cultivation or wild. Local name Pallar. Perennial Herb. Seed.

470936 TO 470938. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From Bolivia. Amado del Valle, Food for the Hungry International, La Paz. Received through Plenty Agricultural Project, Summertown, TN.  
Received July 1982.

470936. 5. Peru. Collected March 15, 1982. Pacanguilla, Chepen, La Libertad. Bush type. Maturity 50 days or less. Pods abundant. Seeds small. Quick cooking, good flavor. Local name Frijol cuarenton (40 day bean). Cultivated. Seed.
470937. 6. Peru. Collected March 01, 1982. Selva alta del Peru, Amazonas. Local name Frijol. Cultivated. Seed.
470938. 8. Peru. Collected April 15, 1982. Pacanguilla, Chepen, La Libertad. Local name Frijol vallo. Cultivated. Seed.

470939. *Zea mays* L. (Poaceae) Field corn.

From Bolivia. Amado del Valle, Food for the Hungry International, La Paz. Received through Plenty Agricultural Project, Summertown, TN.  
Received July 1982.

1. Peru. Collected June 06, 1982. Mercado Regional de La Paz. Seeds large, cuzco type, white or pale yellow. Local name Maiz Real de Peru. Eaten as stewed corn. Cultivated. Seed.

470940 TO 470941. *Vigna unguiculata* subsp. *sesquipedalis* (L.) Verdc. (Fabaceae) Yard-long bean.

From China, Peoples Repub of. Institute of Crop Germplasm Resources, Chinese Academy of Agricultural Sciences, Beijing.  
Received September 1982.

470940 TO 470941-continued

470940. F0096. China, Peoples Repub of. Lih-neng. Referred to as long kidney bean. Seeds brown. Cultivated. Seed.

470941. F0215. China, Peoples Repub of. Hsin-chiang. Referred to as long kidney bean. Seeds black. Cultivated. Seed.

470942. *Carthamus tinctorius* L. (Asteraceae) Safflower.

From Bangladesh. R. Toevs, Agronomist, Mennonite Central Committee, Dacca - 2.  
Received September 1982.

Bangladesh. Savar bazaar, north of Dacca. Local type. Plants increased in Noakhali, south of Dacca. Seeds white. Cultivated. Seed.

470943. *Trifolium alexandrinum* L. (Fabaceae) Berseem clover.

From United States. W. E. Knight, Crop Science Research Laboratory, ARS-USDA, Mississippi State, Mississippi.  
Received August 1982.

United States. Selection from 'Sacromonte'. Originally introduced from Italy. Subjected to severe natural selection for winter hardiness during 1970-1972. Referred to as winter hardy berseem clover. Cultivated. Seed.

470944 TO 471076. *Triticum dicoccoides* (Koern. ex Asch. & Graebn.) Aaronsohn (Poaceae) Wild emmer.

From Israel. E. Nevo, Institute of Evolution, University of Haifa, Mount Carmel, Haifa 31 999.  
Received September 1982.

470944. 4. Israel. Kazrin. Wild. Seed.

470945. 5. Israel. Kazrin. Wild. Seed.

470946. 21. Israel. Kazrin. Wild. Seed.

470947. 36. Israel. Kazrin. Wild. Seed.

470948. 38. Israel. Kazrin. Wild. Seed.

470949. 41. Israel. Kazrin. Wild. Seed.

470950. 43. Israel. Kazrin. Wild. Seed.

470951. 52. Israel. Kazrin. Wild. Seed.

470944 TO 471076-continued

470952. 61. Israel. Kazrin. Wild. Seed.  
470953. 64. Israel. Kazrin. Wild. Seed.  
470954. 73. Israel. Kazrin. Wild. Seed.  
470955. 82. Israel. Kazrin. Wild. Seed.  
470956. 96. Israel. Kazrin. Wild. Seed.  
470957. 8. Israel. Yehudiyya. Wild. Seed.  
470958. 13. Israel. Yehudiyya. Wild. Seed.  
470959. 19. Israel. Yehudiyya. Wild. Seed.  
470960. 22. Israel. Yehudiyya. Wild. Seed.  
470961. 26. Israel. Yehudiyya. Wild. Seed.  
470962. 35. Israel. Yehudiyya. Wild. Seed.  
470963. 37. Israel. Yehudiyya. Wild. Seed.  
470964. 11. Israel. Bat Shelomo. Wild. Seed.  
470965. 16. Israel. Bat Shelomo. Wild. Seed.  
470966. 19. Israel. Bat Shelomo. Wild. Seed.  
470967. 23. Israel. Bat Shelomo. Wild. Seed.  
470968. 25. Israel. Bat Shelomo. Wild. Seed.  
470969. 39. Israel. Bat Shelomo. Wild. Seed.  
470970. 34. Israel. Bet Meir. Wild. Seed.  
470971. 35. Israel. Bet Meir. Wild. Seed.  
470972. 37. Israel. Bet Meir. Wild. Seed.  
470973. 39. Israel. Bet Meir. Wild. Seed.  
470974. 48. Israel. Bet Meir. Wild. Seed.  
470975. 60. Israel. Bet Meir. Wild. Seed.  
470976. 69. Israel. Bet Meir. Wild. Seed.  
470977. 71. Israel. Bet Meir. Wild. Seed.

470944 TO 471076-continued

470978. 22. Israel. Mt. Hermon. Wild. Seed.  
470979. 39. Israel. Mt. Hermon. Wild. Seed.  
470980. 49. Israel. Mt. Hermon. Wild. Seed.  
470981. 50. Israel. Mt. Hermon. Wild. Seed.  
470982. 51. Israel. Mt. Hermon. Wild. Seed.  
470983. 54. Israel. Mt. Hermon. Wild. Seed.  
470984. 56. Israel. Mt. Hermon. Wild. Seed.  
470985. 58. Israel. Mt. Hermon. Wild. Seed.  
470986. 60. Israel. Mt. Hermon. Wild. Seed.  
470987. 68. Israel. Mt. Hermon. Wild. Seed.  
470988. 3. Israel. Rosh Pinna. Wild. Seed.  
470989. 6. Israel. Rosh Pinna. Wild. Seed.  
470990. 7. Israel. Rosh Pinna. Wild. Seed.  
470991. 9. Israel. Rosh Pinna. Wild. Seed.  
470992. 11. Israel. Rosh Pinna. Wild. Seed.  
470993. 15. Israel. Rosh Pinna. Wild. Seed.  
470994. 17. Israel. Rosh Pinna. Wild. Seed.  
470995. 18. Israel. Rosh Pinna. Wild. Seed.  
470996. 19. Israel. Rosh Pinna. Wild. Seed.  
470997. 20. Israel. Rosh Pinna. Wild. Seed.  
470998. 21. Israel. Rosh Pinna. Wild. Seed.  
470999. 23. Israel. Rosh Pinna. Wild. Seed.  
471000. 24. Israel. Rosh Pinna. Wild. Seed.  
471001. 29. Israel. Rosh Pinna. Wild. Seed.  
471002. 33. Israel. Rosh Pinna. Wild. Seed.  
471003. 34. Israel. Rosh Pinna. Wild. Seed.

470944 TO 471076-continued

- 471004. 35. Israel. Rosh Pinna. Wild. Seed.
- 471005. 36. Israel. Rosh Pinna. Wild. Seed.
- 471006. 42. Israel. Rosh Pinna. Wild. Seed.
- 471007. 43. Israel. Rosh Pinna. Wild. Seed.
- 471008. 44. Israel. Rosh Pinna. Wild. Seed.
- 471009. 45. Israel. Rosh Pinna. Wild. Seed.
- 471010. 54. Israel. Rosh Pinna. Wild. Seed.
- 471011. 58. Israel. Rosh Pinna. Wild. Seed.
- 471012. 59. Israel. Rosh Pinna. Wild. Seed.
- 471013. 62. Israel. Rosh Pinna. Wild. Seed.
- 471014. 69. Israel. Rosh Pinna. Wild. Seed.
- 471015. 70. Israel. Rosh Pinna. Wild. Seed.
- 471016. 4. Israel. Sanhedriyya. Wild. Seed.
- 471017. 6. Israel. Sanhedriyya. Wild. Seed.
- 471018. 7. Israel. Sanhedriyya. Wild. Seed.
- 471019. 12. Israel. Sanhedriyya. Wild. Seed.
- 471020. 13. Israel. Sanhedriyya. Wild. Seed.
- 471021. 18. Israel. Sanhedriyya. Wild. Seed.
- 471022. 20. Israel. Sanhedriyya. Wild. Seed.
- 471023. 23. Israel. Sanhedriyya. Wild. Seed.
- 471024. 29. Israel. Sanhedriyya. Wild. Seed.
- 471025. 30. Israel. Sanhedriyya. Wild. Seed.
- 471026. 31. Israel. Sanhedriyya. Wild. Seed.
- 471027. 35. Israel. Sanhedriyya. Wild. Seed.
- 471028. 36. Israel. Sanhedriyya. Wild. Seed.
- 471029. 39. Israel. Sanhedriyya. Wild. Seed.



470944 TO 471076-continued

- 471030. 40. Israel. Sanhedriyya. Wild. Seed.
- 471031. 41. Israel. Sanhedriyya. Wild. Seed.
- 471032. 43. Israel. Sanhedriyya. Wild. Seed.
- 471033. 44. Israel. Sanhedriyya. Wild. Seed.
- 471034. 47. Israel. Sanhedriyya. Wild. Seed.
- 471035. 1. Israel. Kokhav Hashahar. Wild. Seed.
- 471036. 2. Israel. Kokhav Hashahar. Wild. Seed.
- 471037. 4. Israel. Kokhav Hashahar. Wild. Seed.
- 471038. 6. Israel. Kokhav Hashahar. Wild. Seed.
- 471039. 7. Israel. Kokhav Hashahar. Wild. Seed.
- 471040. 9. Israel. Kokhav Hashahar. Wild. Seed.
- 471041. 10. Israel. Kokhav Hashahar. Wild. Seed.
- 471042. 12. Israel. Kokhav Hashahar. Wild. Seed.
- 471043. 13. Israel. Kokhav Hashahar. Wild. Seed.
- 471044. 14. Israel. Kokhav Hashahar. Wild. Seed.
- 471045. 16. Israel. Kokhav Hashahar. Wild. Seed.
- 471046. 17. Israel. Kokhav Hashahar. Wild. Seed.
- 471047. 18. Israel. Kokhav Hashahar. Wild. Seed.
- 471048. 19. Israel. Kokhav Hashahar. Wild. Seed.
- 471049. 20. Israel. Kokhav Hashahar. Wild. Seed.
- 471050. 21. Israel. Kokhav Hashahar. Wild. Seed.
- 471051. 23. Israel. Kokhav Hashahar. Wild. Seed.
- 471052. 24. Israel. Kokhav Hashahar. Wild. Seed.
- 471053. 25. Israel. Kokhav Hashahar. Wild. Seed.
- 471054. 26. Israel. Kokhav Hashahar. Wild. Seed.
- 471055. 29. Israel. Kokhav Hashahar. Wild. Seed.

470944 TO 471076-continued

471056. 31. Israel. Kokhav Hashahar. Wild. Seed.  
471057. 32. Israel. Kokhav Hashahar. Wild. Seed.  
471058. 33. Israel. Kokhav Hashahar. Wild. Seed.  
471059. 35. Israel. Kokhav Hashahar. Wild. Seed.  
471060. 36. Israel. Kokhav Hashahar. Wild. Seed.  
471061. 37. Israel. Kokhav Hashahar. Wild. Seed.  
471062. 39. Israel. Kokhav Hashahar. Wild. Seed.  
471063. 41. Israel. Kokhav Hashahar. Wild. Seed.  
471064. 42. Israel. Kokhav Hashahar. Wild. Seed.  
471065. 44. Israel. Kokhav Hashahar. Wild. Seed.  
471066. 45. Israel. Kokhav Hashahar. Wild. Seed.  
471067. 46. Israel. Kokhav Hashahar. Wild. Seed.  
471068. 48. Israel. Kokhav Hashahar. Wild. Seed.  
471069. 50. Israel. Kokhav Hashahar. Wild. Seed.  
471070. 3. Israel. Tabigha. Wild. Seed.  
471071. 4. Israel. Tabigha. Wild. Seed.  
471072. 8. Israel. Tabigha. Wild. Seed.  
471073. 17. Israel. Tabigha. Wild. Seed.  
471074. 18. Israel. Tabigha. Wild. Seed.  
471075. 37. Israel. Tabigha. Wild. Seed.  
471076. 52. Israel. Tabigha. Wild. Seed.

471077. *Helianthus annuus* L. (Asteraceae) Sunflower.

From United States. F. K. Johnson, Red River Commodities, Inc.,  
Fargo, North Dakota.  
Received October 1982.

Accession No. 856. Yugoslavia. Dwarf type with single  
dominant gene. Cultivated. Breeding Material. Seed.

471078 TO 471439. *Pisum sativum* L. (Fabaceae) Garden pea.

From India. Regional Pulse Improvement Project, Agency for International Development & U.S. Dept. of Agriculture, New Delhi.

Received October 1980.

- 471078. 50-069-0057. India. Seed.
- 471079. 50-069-0058. India. Seed.
- 471080. 50-069-0059. India. Seed.
- 471081. 50-069-0064. India. Seed.
- 471082. 50-069-0065. India. Seed.
- 471083. 50-069-0066. India. Seed.
- 471084. 50-069-0067. India. Seed.
- 471085. 50-069-00001. India. Uttar Pradesh. Seed.
- 471086. 50-069-00002. India. Uttar Pradesh. Seed.
- 471087. 50-069-00004. India. Uttar Pradesh. Seed.
- 471088. 50-069-00006. India. Uttar Pradesh. Seed.
- 471089. 50-069-00007. India. Uttar Pradesh. Seed.
- 471090. 50-069-00008. India. Uttar Pradesh. Seed.
- 471091. 50-069-00009. India. Uttar Pradesh. Seed.
- 471092. 50-069-00011. India. Uttar Pradesh. Seed.
- 471093. 50-069-00013. India. Bihar. Seed.
- 471094. 50-069-00015. India. Bihar. Seed.
- 471095. 50-069-00016. India. Bihar. Seed.
- 471096. 50-069-00017. India. Bihar. Seed.
- 471097. 50-069-00019. India. Bihar. Seed.
- 471098. 50-069-00020. India. Bihar. Seed.
- 471099. 50-069-00022. India. Bihar. Seed.
- 471100. 50-069-00023. India. Bihar. Seed.
- 471101. 50-069-00024. India. Bihar. Seed.

**471078 TO 471439-continued**

- 471102. 50-069-00025. India. Bihar. Seed.
- 471103. 50-069-00026. India. Bihar. Seed.
- 471104. 50-069-00027. India. Bihar. Seed.
- 471105. 50-069-00028. India. Bihar. Seed.
- 471106. 50-069-00029. India. Bihar. Seed.
- 471107. 50-069-00030. India. Bihar. Seed.
- 471108. 50-069-00032. India. Bihar. Seed.
- 471109. 50-069-00033. India. Bihar. Seed.
- 471110. 50-069-00034. India. Bihar. Seed.
- 471111. 50-069-00035. India. Bihar. Seed,
- 471112. 50-069-00036. India. Bihar. Seed.
- 471113. 50-069-00037. India. Bihar. Seed.
- 471114. 50-069-00039. India. Uttar Pradesh. Seed.
- 471115. 50-069-00040. India. Uttar Pradesh. Seed.
- 471116. 50-069-00041. India. Uttar Pradesh. Seed.
- 471117. 50-069-00042. India. Uttar Pradesh. Seed.
- 471118. 50-069-00043. India. Uttar Pradesh. Seed.
- 471119. 50-069-00044. India. Uttar Pradesh. Seed.
- 471120. 50-069-00045. India. Uttar Pradesh. Seed.
- 471121. 50-069-00046. India. Uttar Pradesh. Seed.
- 471122. 50-069-00047. India. Uttar Pradesh. Seed.
- 471123. 50-069-00048. India. Uttar Pradesh. Seed.
- 471124. 50-069-00049. India. Uttar Pradesh. Seed.
- 471125. 50-069-00050. India. Uttar Pradesh. Seed.
- 471126. 50-069-00051. India. Uttar Pradesh. Seed.
- 471127. 50-069-00052. India. Uttar Pradesh. Seed.

471078 TO 471439-continued

471128. 50-069-00054. India. Uttar Pradesh. Seed.  
471129. 50-069-00055. India. Uttar Pradesh. Seed.  
471130. 50-069-00056. India. Uttar Pradesh. Seed.  
471131. 50-069-00057. India. Uttar Pradesh. Seed.  
471132. 50-069-00058. India. Uttar Pradesh. Seed.  
471133. 50-069-00059. India. Uttar Pradesh. Seed.  
471134. 50-069-00060. India. Uttar Pradesh. Seed.  
471135. 50-069-00062. India. Uttar Pradesh. Seed.  
471136. 50-069-00063. India. Uttar Pradesh. Seed.  
471137. 50-069-00064. India. Uttar Pradesh. Seed.  
471138. 50-069-00065. India. Uttar Pradesh. Seed.  
471139. 50-069-00066. India. Uttar Pradesh. Seed.  
471140. 50-069-00067. India. Uttar Pradesh. Seed.  
471141. 50-069-00068. India. Uttar Pradesh. Seed.  
471142. 50-069-00069. India. Uttar Pradesh. Seed.  
471143. 50-069-00070. India. Uttar Pradesh. Seed.  
471144. 50-069-00072. India. Uttar Pradesh. Seed.  
471145. 50-069-00074. India. Uttar Pradesh. Seed.  
471146. 50-069-00075. India. Uttar Pradesh. Seed.  
471147. 50-069-00076. India. Uttar Pradesh. Seed.  
471148. 50-069-00077. India. Uttar Pradesh. Seed.  
471149. 50-069-00078. India. Uttar Pradesh. Seed.  
471150. 50-069-00079. India. Uttar Pradesh. Seed.  
471151. 50-069-00080. India. Uttar Pradesh. Seed.  
471152. 50-069-00082. India. Uttar Pradesh. Seed.  
471153. 50-069-00083. India. Uttar Pradesh. Seed.

471078 TO 471439-continued

471154. 50-069-00085. India. Uttar Pradesh. Seed.
471155. 50-069-00086. India. Uttar Pradesh. Seed.
471156. 50-069-00087. India. Uttar Pradesh. Seed.
471157. 50-069-00089. India. Varanasi, Uttar Pradesh. Other identification T.19. Seed.
471158. 50-069-00090. Millar. India. Almora, Uttar Pradesh. Seed.
471159. 50-069-00091. India. Kanpur, Uttar Pradesh. Other identification 6237. Seed.
471160. 50-069-00092. India. Kanpur, Uttar Pradesh. Other identification 6213. Seed.
471161. 50-069-00093. India. Kanpur, Uttar Pradesh. Other identification T.56. Seed.
471162. 50-069-00095. Rimple. India. Kanpur, Uttar Pradesh. Seed.
471163. 50-069-00096. India. Kanpur, Uttar Pradesh. Other identification 310-4. Seed.
471164. 50-069-00097. India. Kanpur, Uttar Pradesh. Other identification 312-1. Seed.
471165. 50-069-00098. India. Kanpur, Uttar Pradesh. Other identification 6112. Seed.
471166. 50-069-00099. India. Kanpur, Uttar Pradesh. Other identification 5206. Seed.
471167. 50-069-00100. Dwarf Daural. India. Kanpur, Uttar Pradesh. Seed.
471168. 50-069-00101. India. Kanpur, Uttar Pradesh. Other identification 24. Seed.
471169. 50-069-00108. India. Kanpur, Uttar Pradesh. Other identification 39. Seed.
471170. 50-069-00109. India. Kanpur, Uttar Pradesh. Other identification 285-5. Seed.
471171. 50-069-00110. India. Kanpur, Uttar Pradesh. Other identification 205-1. Seed.
471172. 50-069-00111. India. Kanpur, Uttar Pradesh. Other identification 222-4. Seed.

471078 TO 471439-continued

471173. 50-069-00112. India. Kanpur, Uttar Pradesh. Other identification 354-1. Seed.
471174. 50-069-00113. India. Kanpur, Uttar Pradesh. Other identification T.17. Seed.
471175. 50-069-00114. India. Kanpur, Uttar Pradesh. Other identification 22. Seed.
471176. 50-069-00115. India. Kanpur, Uttar Pradesh. Other identification 20. Seed.
471177. 50-069-00116. India. Kanpur, Uttar Pradesh. Other identification 37. Seed.
471178. 50-069-00117. India. Kanpur, Uttar Pradesh. Other identification 243-28. Seed.
471179. 50-069-00118. India. Kanpur, Uttar Pradesh. Other identification 189-3. Seed.
471180. 50-069-00119. Dal-Commander. India. Kanpur, Uttar Pradesh. Seed.
471181. 50-069-00120. India. Kanpur, Uttar Pradesh. Other identification 30. Seed.
471182. 50-069-00121. India. Kanpur, Uttar Pradesh. Other identification 243-5. Seed.
471183. 50-069-00122. India. Kanpur, Uttar Pradesh. Other identification 284-4A. Seed.
471184. 50-069-00123. India. Kanpur, Uttar Pradesh. Other identification 884-1. Seed.
471185. 50-069-00124. India. Kanpur, Uttar Pradesh. Other identification 34. Seed.
471186. 50-069-00125. India. Kanpur, Uttar Pradesh. Other identification 21. Seed.
471187. 50-069-00126. Bonvilla. India. Kanpur, Uttar Pradesh. Seed.
471188. 50-069-00127. India. Kanpur, Uttar Pradesh. Other identification 6227. Seed.
471189. 50-069-00128. India. Kanpur, Uttar Pradesh. Other identification 6133. Seed.
471190. 50-069-00129. India. Kanpur, Uttar Pradesh. Other

471078 TO 471439-continued

- identification 238. Seed.
471191. 50-069-00130. India. Kanpur, Uttar Pradesh. Other identification 208. Seed.
471192. 50-069-00131. India. Kanpur, Uttar Pradesh. Other identification 5901. Seed.
471193. 50-069-00132. India. Kanpur, Uttar Pradesh. Other identification 219. Seed.
471194. 50-069-00133. India. Kanpur, Uttar Pradesh. Other identification 222. Seed.
471195. 50-069-00134. India. Kanpur, Uttar Pradesh. Other identification 230. Seed.
471196. 50-069-00135. India. Kanpur, Uttar Pradesh. Other identification 243-2A. Seed.
471197. 50-069-00136. Varanasi Local. India. Kanpur, Uttar Pradesh. Seed.
471198. 50-069-00137. India. Kanpur, Uttar Pradesh. Other identification 6205. Seed.
471199. 50-069-00138. India. Kanpur, Uttar Pradesh. Other identification 6210. Seed.
471200. 50-069-00139. India. Kanpur, Uttar Pradesh. Other identification 6211. Seed.
471201. 50-069-00140. India. Kanpur, Uttar Pradesh. Other identification 6229. Seed.
471202. 50-069-00141. India. Kanpur, Uttar Pradesh. Other identification 303-3. Seed.
471203. 50-069-00142. India. Kanpur, Uttar Pradesh. Other identification 385-1. Seed.
471204. 50-069-00143. India. Kanpur, Uttar Pradesh. Other identification 6140. Seed.
471205. 50-069-00144. India. Kanpur, Uttar Pradesh. Other identification 6119. Seed.
471206. 50-069-00145. India. Kanpur, Uttar Pradesh. Other identification 221. Seed.
471207. 50-069-00146. India. Kanpur, Uttar Pradesh. Other identification 203. Seed.



471078 TO 471439-continued

471208. 50-069-00147. India. Kanpur, Uttar Pradesh. Other identification 5703. Seed.
471209. 50-069-00148. India. Kanpur, Uttar Pradesh. Other identification 258. Seed.
471210. 50-069-00149. India. Kanpur, Uttar Pradesh. Other identification 244. Seed.
471211. 50-069-00150. Green Small Pea. India. Kanpur, Uttar Pradesh. Seed.
471212. 50-069-00151. India. Kanpur, Uttar Pradesh. Other identification 284-4B. Seed.
471213. 50-069-00152. India. Kanpur, Uttar Pradesh. Other identification 6206.B. Seed.
471214. 50-069-00153. India. Kanpur, Uttar Pradesh. Other identification 6219.B. Seed.
471215. 50-069-00155. India. Kanpur, Uttar Pradesh. Other identification 6138. Seed.
471216. 50-069-00156. India. Kanpur, Uttar Pradesh. Other identification 6103. Seed.
471217. 50-069-00158. India. Kanpur, Uttar Pradesh. Other identification 5. Seed.
471218. 50-069-00159. India. Kanpur, Uttar Pradesh. Other identification 3. Seed.
471219. 50-069-00161. India. Kanpur, Uttar Pradesh. Other identification 6217. Seed.
471220. 50-069-00162. India. Kanpur, Uttar Pradesh. Other identification 6219.A. Seed.
471221. 50-069-00163. India. Kanpur, Uttar Pradesh. Other identification 6207. Seed.
471222. 50-069-00166. India. Kanpur, Uttar Pradesh. Other identification 11. Seed.
471223. 50-069-00167. India. Kanpur, Uttar Pradesh. Other identification 38. Seed.
471224. 50-069-00168. India. Kanpur, Uttar Pradesh. Other identification 23. Seed.
471225. 50-069-00169. India. Kanpur, Uttar Pradesh. Other

471078 TO 471439-continued

- identification 15. Seed.
471226. 50-069-00170. India. Kanpur, Uttar Pradesh. Other identification 26. Seed.
471227. 50-069-00171. India. Kanpur, Uttar Pradesh. Other identification 33. Seed.
471228. 50-069-00172. India. Kanpur, Uttar Pradesh. Seed.
471229. 50-069-00173. India. Kanpur, Uttar Pradesh. Seed.
471230. 50-069-00174. India. Kanpur, Uttar Pradesh. Other identification NP.29. Seed.
471231. 50-069-00175. India. Kanpur, Uttar Pradesh. Other identification 13. Seed.
471232. 50-069-00176. India. Kanpur, Uttar Pradesh. Other identification 294/1/1. Seed.
471233. 50-069-00177. India. Kanpur, Uttar Pradesh. Other identification 461-2. Seed.
471234. 50-069-00178. India. Kanpur, Uttar Pradesh. Other identification 14. Seed.
471235. 50-069-00179. India. Kanpur, Uttar Pradesh. Other identification 5405. Seed.
471236. 50-069-00180. India. Kanpur, Uttar Pradesh. Other identification 2. Seed.
471237. 50-069-00181. India. Kanpur, Uttar Pradesh. Other identification 6137. Seed.
471238. 50-069-00182. India. Kanpur, Uttar Pradesh. Other identification 6222. Seed.
471239. 50-069-00183. India. Kanpur, Uttar Pradesh. Other identification 6208. Seed.
471240. 50-069-00184. India. Kanpur, Uttar Pradesh. Other identification 6209. Seed.
471241. 50-069-00185. India. Kanpur, Uttar Pradesh. Other identification T.10. Seed.
471242. 50-069-00186. India. Kanpur, Uttar Pradesh. Other identification 6206.A. Seed.
471243. 50-069-00187. India. Kanpur, Uttar Pradesh. Other identification 6236.B. Seed.

471078 TO 471439-continued

471244. 50-069-00188. India. Kanpur, Uttar Pradesh. Other identification 6127. Seed.
471245. 50-069-00189. India. Kanpur, Uttar Pradesh. Other identification Pr.2. Seed.
471246. 50-069-00190. Indian Louder White. India. Kanpur, Uttar Pradesh. Seed.
471247. 50-069-00191. India. Kanpur, Uttar Pradesh. Other identification 6136.A. Seed.
471248. 50-069-00192. India. Kanpur, Uttar Pradesh. Other identification 6247. Seed.
471249. 50-069-00193. India. Kanpur, Uttar Pradesh. Other identification 6202. Seed.
471250. 50-069-00194. Sugar-Pea B. India. Kanpur, Uttar Pradesh. Seed.
471251. 50-069-00195. India. Kanpur, Uttar Pradesh. Other identification 6238.A. Seed.
471252. 50-069-00196. India. Kanpur, Uttar Pradesh. Other identification 6238.B. Seed.
471253. 50-069-00197. India. Kanpur, Uttar Pradesh. Other identification 6236.A. Seed.
471254. 50-069-00199. India. Kanpur, Uttar Pradesh. Other identification 6101. Seed.
471255. 50-069-00200. India. Kanpur, Uttar Pradesh. Other identification 6102. Seed.
471256. 50-069-00201. India. Kanpur, Uttar Pradesh. Other identification 6116. Seed.
471257. 50-069-00202. India. Kanpur, Uttar Pradesh. Other identification 6132.B. Seed.
471258. 50-069-00203. India. Kanpur, Uttar Pradesh. Other identification 201. Seed.
471259. 50-069-00204. Chatri Matri-1. India. Kanpur, Uttar Pradesh. Seed.
471260. 50-069-00205. Chatri Matri-2. India. Kanpur, Uttar Pradesh. Seed.
471261. 50-069-00207. India. Kanpur, Uttar Pradesh. Other

471078 TO 471439-continued

- identification 6227.B. Seed.
471262. 50-069-00208. India. Kanpur, Uttar Pradesh. Other identification 6132.A. Seed.
471263. 50-069-00209. Srinagar Local. India. Kanpur, Uttar Pradesh. Seed.
471264. 50-069-00210. Mohenderfer. India. Kanpur, Uttar Pradesh. Seed.
471265. 50-069-00211. India. Kanpur, Uttar Pradesh. Other identification 5207. Seed.
471266. 50-069-00212. India. Kanpur, Uttar Pradesh. Other identification 167. Seed.
471267. 50-069-00213. Ballia Local. India. Kanpur, Uttar Pradesh. Seed.
471268. 50-069-00214. India. Kanpur, Uttar Pradesh. Other identification V.B.R.-2. Seed.
471269. 50-069-00215. India. Kanpur, Uttar Pradesh. Seed.
471270. 50-069-00216. India. Kanpur, Uttar Pradesh. Other identification 6130. Seed.
471271. 50-069-00217. India. Kanpur, Uttar Pradesh. Other identification 6135. Seed.
471272. 50-069-00218. India. Kanpur, Uttar Pradesh. Other identification 5502. Seed.
471273. 50-069-00219. India. Kanpur, Uttar Pradesh. Other identification 117. Seed.
471274. 50-069-00220. India. Kanpur, Uttar Pradesh. Other identification 6111. Seed.
471275. 50-069-00222. India. Kanpur, Uttar Pradesh. Other identification 108. Seed.
471276. 50-069-00223. India. Kanpur, Uttar Pradesh. Other identification 6142. Seed.
471277. 50-069-00224. India. Kanpur, Uttar Pradesh. Other identification 6143.B. Seed.
471278. 50-069-00225. Chatri Matri-3. India. Kanpur, Uttar Pradesh. Seed.
471279. 50-069-00226. Chatri Matri-4. India. Kanpur, Uttar

471078 TO 471439-continued  
Pradesh. Seed.

471280. 50-069-00227. Chatri Matri-5. India. Kanpur, Uttar Pradesh. Seed.
471281. 50-069-00228. Med. Chatri Matri. India. Kanpur, Uttar Pradesh. Seed.
471282. 50-069-00229. India. Kanpur, Uttar Pradesh. Other identification 43. Seed.
471283. 50-069-00230. India. Kanpur, Uttar Pradesh. Other identification T.163. Seed.
471284. 50-069-00231. India. Kanpur, Uttar Pradesh. Other identification 6242.B. Seed.
471285. 50-069-00232. India. Kanpur, Uttar Pradesh. Other identification 130. Seed.
471286. 50-069-00233. India. Kanpur, Uttar Pradesh. Other identification 217. Seed.
471287. 50-069-00234. India. Kanpur, Uttar Pradesh. Other identification 6128. Seed.
471288. 50-069-00235. Mixed Chatri Matri. India. Kanpur, Uttar Pradesh. Seed.
471289. 50-069-00236. India. Kanpur, Uttar Pradesh. Other identification 168. Seed.
471290. 50-069-00237. India. Kanpur, Uttar Pradesh. Other identification V.B.R.-12. Seed.
471291. 50-069-00238. India. Kanpur, Uttar Pradesh. Seed.
471292. 50-069-00239. India. Kanpur, Uttar Pradesh. Seed.
471293. 50-069-00240. Red Small Pea. India. Kanpur, Uttar Pradesh. Seed.
471294. 50-069-00241. India. Kanpur, Uttar Pradesh. Other identification 202. Seed.
471295. 50-069-00242. India. Kanpur, Uttar Pradesh. Seed.
471296. 50-069-00243. India. Kanpur, Uttar Pradesh. Seed.
471297. 50-069-00244. India. Kanpur, Uttar Pradesh. Other identification 6143. Seed.
471298. 50-069-00245. India. Kanpur, Uttar Pradesh. Other

471078 TO 471439-continued

- identification 204. Seed.
471299. 50-069-00246. India. Kanpur, Uttar Pradesh. Other identification 241. Seed.
471300. 50-069-00247. India. Kanpur, Uttar Pradesh. Other identification 6232. Seed.
471301. 50-069-00248. India. Kanpur, Uttar Pradesh. Other identification 6117. Seed.
471302. 50-069-00249. India. Kanpur, Uttar Pradesh. Other identification 6113. Seed.
471303. 50-069-00250. India. Kanpur, Uttar Pradesh. Other identification 6144. Seed.
471304. 50-069-00251. India. Kanpur, Uttar Pradesh. Other identification 6121. Seed.
471305. 50-069-00252. India. Kanpur, Uttar Pradesh. Other identification 6131. Seed.
471306. 50-069-00253. India. Kanpur, Uttar Pradesh. Other identification 6229. Seed.
471307. 50-069-00254. India. Kanpur, Uttar Pradesh. Other identification 6126. Seed.
471308. 50-069-00255. India. Kanpur, Uttar Pradesh. Other identification 169. Seed.
471309. 50-069-00256. India. Kanpur, Uttar Pradesh. Other identification 5408. Seed.
471310. 50-069-00260. Kala Mukhi. India. Kanpur, Uttar Pradesh. Seed.
471311. 50-069-00261. Kala Nagin. India. Kanpur, Uttar Pradesh. Seed.
471312. 50-069-00262. Dull White Pea. India. Kanpur, Uttar Pradesh. Seed.
471313. 50-069-00263. India. Kanpur, Uttar Pradesh. Other identification 148. Seed.
471314. 50-069-00264. India. Kanpur, Uttar Pradesh. Other identification 5903. Seed.
471315. 50-069-00265. White Small Mater. India. Kanpur, Uttar Pradesh. Seed.

471078 TO 471439-continued

471316. 50-069-00266. India. Kanpur, Uttar Pradesh. Other identification 155. Seed.
471317. 50-069-00267. India. Kanpur, Uttar Pradesh. Other identification 157. Seed.
471318. 50-069-00268. India. Kanpur, Uttar Pradesh. Other identification 132. Seed.
471319. 50-069-00269. India. Kanpur, Uttar Pradesh. Other identification 6120. Seed.
471320. 50-069-00270. India. Kanpur, Uttar Pradesh. Other identification 111. Seed.
471321. 50-069-00271. India. Kanpur, Uttar Pradesh. Other identification 158. Seed.
471322. 50-069-00272. India. Kanpur, Uttar Pradesh. Other identification 6115. Seed.
471323. 50-069-00273. India. Kanpur, Uttar Pradesh. Other identification 126. Seed.
471324. 50-069-00274. India. Kanpur, Uttar Pradesh. Other identification 161. Seed.
471325. 50-069-00275. India. Uttar Pradesh. Other identification 6141. Seed.
471326. 50-069-00276. India. Kanpur, Uttar Pradesh. Other identification 5504. Seed.
471327. 50-069-00277. India. Kanpur, Uttar Pradesh. Other identification 6122. Seed.
471328. 50-069-00278. India. Kanpur, Uttar Pradesh. Other identification 6235. Seed.
471329. 50-069-00279. India. Kanpur, Uttar Pradesh. Other identification 6139. Seed.
471330. 50-069-00280. India. Kanpur, Uttar Pradesh. Other identification 6234. Seed.
471331. 50-069-00281. India. Kanpur, Uttar Pradesh. Other identification 5903. Seed.
471332. 50-069-00282. India. Kanpur, Uttar Pradesh. Other identification 5905. Seed.
471333. 50-069-00283. India. Kanpur, Uttar Pradesh. Other

471078 TO 471439-continued

- identification 6204. Seed.
471334. 50-069-00284. India. Kanpur, Uttar Pradesh. Other identification 6118. Seed.
471335. 50-069-00285. India. Kanpur, Uttar Pradesh. Other identification 5904. Seed.
471336. 50-069-00286. India. Kanpur, Uttar Pradesh. Other identification 5506. Seed.
471337. 50-069-00287. India. Kanpur, Uttar Pradesh. Other identification 6201. Seed.
471338. 50-069-00288. India. Kanpur, Uttar Pradesh. Other identification 6233. Seed.
471339. 50-069-00289. India. Kanpur, Uttar Pradesh. Other identification 162. Seed.
471340. 50-069-00290. India. Kanpur, Uttar Pradesh. Other identification 6241. Seed.
471341. 50-069-00291. India. Kanpur, Uttar Pradesh. Other identification 6242. Seed.
471342. 50-069-00292. India. Kanpur, Uttar Pradesh. Other identification 6401-2. Seed.
471343. 50-069-00293. India. Kanpur, Uttar Pradesh. Other identification 6401-1. Seed.
471344. 50-069-00294. India. Kanpur, Uttar Pradesh. Other identification 6402-1. Seed.
471345. 50-069-00295. Victoria. India. Kanpur, Uttar Pradesh. Seed.
471346. 50-069-00296. India. Kanpur, Uttar Pradesh. Other identification 6402. Seed.
471347. 50-069-00297. India. Kanpur, Uttar Pradesh. Other identification 6403. Seed.
471348. 50-069-00298. India. Kanpur, Uttar Pradesh. Other identification 6403-1. Seed.
471349. 50-069-00299. India. Kanpur, Uttar Pradesh. Other identification 6404. Seed.
471350. 50-069-00300. India. Kanpur, Uttar Pradesh. Other identification 6405. Seed.



471078 TO 471439-continued

471351. 50-069-00301. Hoshiarpur. India. Kanpur, Uttar Pradesh. Seed.
471352. 50-069-00302. India. Kanpur, Uttar Pradesh. Other identification 6406. Seed.
471353. 50-069-00303. India. Kanpur, Uttar Pradesh. Other identification 6407. Seed.
471354. 50-069-00304. India. Kanpur, Uttar Pradesh. Other identification 6411. Seed.
471355. 50-069-00305. India. Kanpur, Uttar Pradesh. Other identification 6501-1. Seed.
471356. 50-069-00306. India. Kanpur, Uttar Pradesh. Other identification 6502-1. Seed.
471357. 50-069-00307. India. Kanpur, Uttar Pradesh. Other identification 6502. Seed.
471358. 50-069-00308. India. Kanpur, Uttar Pradesh. Other identification 6503-1. Seed.
471359. 50-069-00309. India. Uttar Pradesh. Other identification 6504. Seed.
471360. 50-069-00310. India. Kanpur, Uttar Pradesh. Other identification 6597. Seed.
471361. 50-069-00311. India. Kanpur, Uttar Pradesh. Other identification 6599. Seed.
471362. 50-069-00312. India. Uttar Pradesh. Other identification 65100. Seed.
471363. 50-069-00313. India. Kanpur, Uttar Pradesh. Other identification 65102. Seed.
471364. 50-069-00314. India. Kanpur, Uttar Pradesh. Other identification 65103. Seed.
471365. 50-069-00315. India. Kanpur, Uttar Pradesh. Other identification 65104. Seed.
471366. 50-069-00316. India. Kanpur, Uttar Pradesh. Other identification 637-1. Seed.
471367. 50-069-00317. India. Kanpur, Uttar Pradesh. Other identification 6401. Seed.
471368. 50-069-00318. India. Kanpur, Uttar Pradesh. Other

471078 TO 471439-continued

- identification 6505. Seed.
471369. 50-069-00319. India. Kanpur, Uttar Pradesh. Other identification 6506. Seed.
471370. 50-069-00321. India. Kanpur, Uttar Pradesh. Other identification 6508. Seed.
471371. 50-069-00322. India. Kanpur, Uttar Pradesh. Other identification 6509. Seed.
471372. 50-069-00323. India. Kanpur, Uttar Pradesh. Other identification 6510. Seed.
471373. 50-069-00324. India. Kanpur, Uttar Pradesh. Other identification 6511. Seed.
471374. 50-069-00325. India. Kanpur, Uttar Pradesh. Other identification 6512. Seed.
471375. 50-069-00327. India. Kanpur, Uttar Pradesh. Other identification 6514. Seed.
471376. 50-069-00329. India. Kanpur, Uttar Pradesh. Other identification 6516. Seed.
471377. 50-069-00330. India. Kanpur, Uttar Pradesh. Other identification 6517. Seed.
471378. 50-069-00331. India. Kanpur, Uttar Pradesh. Other identification 6518. Seed.
471379. 50-069-00332. India. Kanpur, Uttar Pradesh. Other identification 6519. Seed.
471380. 50-069-00333. India. Kanpur, Uttar Pradesh. Other identification 6520. Seed.
471381. 50-069-00334. India. Kanpur, Uttar Pradesh. Other identification 6521. Seed.
471382. 50-069-00336. India. Kanpur, Uttar Pradesh. Other identification 6523. Seed.
471383. 50-069-00337. India. Kanpur, Uttar Pradesh. Other identification 6524. Seed.
471384. 50-069-00338. India. Kanpur, Uttar Pradesh. Other identification 6525. Seed.
471385. 50-069-00339. India. Kanpur, Uttar Pradesh. Other identification 6526. Seed.

471078 TO 471439-continued

471386. 50-069-00341. India. Kanpur, Uttar Pradesh. Other identification 6528. Seed.
471387. 50-069-00342. India. Kanpur, Uttar Pradesh. Other identification 6529. Seed.
471388. 50-069-00343. India. Kanpur, Uttar Pradesh. Other identification 6503-2. Seed.
471389. 50-069-00344. India. Kanpur, Uttar Pradesh. Other identification 117-A. Seed.
471390. 50-069-00345. India. Kanpur, Uttar Pradesh. Other identification 6532. Seed.
471391. 50-069-00346. India. Kanpur, Uttar Pradesh. Other identification 6534. Seed.
471392. 50-069-00347. India. Kanpur, Uttar Pradesh. Other identification 6535. Seed.
471393. 50-069-00348. India. Kanpur, Uttar Pradesh. Other identification 6536. Seed.
471394. 50-069-00349. India. Kanpur, Uttar Pradesh. Other identification 6537. Seed.
471395. 50-069-00350. India. Kanpur, Uttar Pradesh. Other identification 6538. Seed.
471396. 50-069-00351. India. Kanpur, Uttar Pradesh. Other identification 6539. Seed.
471397. 50-069-00352. India. Kanpur, Uttar Pradesh. Other identification 6540. Seed.
471398. 50-069-00353. India. Kanpur, Uttar Pradesh. Other identification 6541. Seed.
471399. 50-069-00354. India. Kanpur, Uttar Pradesh. Other identification 6542. Seed.
471400. 50-069-00355. India. Kanpur, Uttar Pradesh. Other identification 6543. Seed.
471401. 50-069-00356. India. Kanpur, Uttar Pradesh. Other identification 6544. Seed.
471402. 50-069-00357. India. Kanpur, Uttar Pradesh. Other identification 6545. Seed.
471403. 50-069-00358. India. Kanpur, Uttar Pradesh. Other

471078 TO 471439-continued

- identification 6547. Seed.
471404. 50-069-00360. India. Kanpur, Uttar Pradesh. Other identification 6549. Seed.
471405. 50-069-00361. India. Kanpur, Uttar Pradesh. Other identification 6550. Seed.
471406. 50-069-00362. India. Kanpur, Uttar Pradesh. Other identification 6551. Seed.
471407. 50-069-00368. India. Kanpur, Uttar Pradesh. Other identification 6557. Seed.
471408. 50-069-00369. India. Kanpur, Uttar Pradesh. Other identification 6559. Seed.
471409. 50-069-00370. India. Kanpur, Uttar Pradesh. Other identification 6560. Seed.
471410. 50-069-00371. India. Kanpur, Uttar Pradesh. Other identification 6561. Seed.
471411. 50-069-00372. India. Kanpur, Uttar Pradesh. Other identification 6562. Seed.
471412. 50-069-00373. India. Kanpur, Uttar Pradesh. Other identification 6563. Seed.
471413. 50-069-00374. India. Kanpur, Uttar Pradesh. Other identification 6564. Seed.
471414. 50-069-00375. India. Kanpur, Uttar Pradesh. Other identification 6570. Seed.
471415. 50-069-00376. India. Kanpur, Uttar Pradesh. Other identification 6571. Seed.
471416. 50-069-00377. India. Kanpur, Uttar Pradesh. Other identification 6572. Seed.
471417. 50-069-00378. India. Kanpur, Uttar Pradesh. Other identification 6573. Seed.
471418. 50-069-00379. India. Kanpur, Uttar Pradesh. Other identification 6576. Seed.
471419. 50-069-00381. India. Kanpur, Uttar Pradesh. Other identification 6578.A. Seed.
471420. 50-069-00382. India. Kanpur, Uttar Pradesh. Other identification 6579. Seed.

471078 TO 471439-continued

471421. 50-069-00385. India. Kanpur, Uttar Pradesh. Other identification 6582. Seed.
471422. 50-069-00386. India. Kanpur, Uttar Pradesh. Other identification 6583. Seed.
471423. 50-069-00388. India. Kanpur, Uttar Pradesh. Other identification 6585. Seed.
471424. 50-069-00390. India. Kanpur, Uttar Pradesh. Other identification 6587. Seed.
471425. 50-069-00391. India. Hardoi, Uttar Pradesh. Received from Kanpur, U.P. Other identification 6588. Seed.
471426. 50-069-00392. India. Hardoi, Uttar Pradesh. Received from Kanpur, U.P. Other identification 6589. Seed.
471427. 50-069-00394. India. Hardoi, Uttar Pradesh. Received from Kanpur, U.P. Other identification 6595. Seed.
471428. 50-069-00395. India. Hardoi, Uttar Pradesh. Received from Kanpur, U.P. Other identification 6596. Seed.
471429. 50-069-00396. India. Hardoi, Uttar Pradesh. Received from Kanpur, U.P. Other identification 6578.B. Seed.
471430. 50-069-00397. India. Partapgarh, Rajasthan. Received from Kanpur, U.P. Other identification 6411-4. Seed.
471431. 50-069-00398. India. Partapgarh, Rajasthan. Received from Kanpur, U.P. Other identification 6501. Seed.
471432. 50-069-00400. Golia Matar. India. Madhya Pradesh. Seed.
471433. 50-069-00401. Golia Matar. India. Madhya Pradesh. Seed.
471434. 50-069-00402. Golia Matar. India. Madhya Pradesh. Seed.
471435. 50-069-00403. Golia Matar. India. Madhya Pradesh. Seed.
471436. 50-069-00404. Golia Matar. India. Madhya Pradesh. Seed.
471437. 50-069-00405. Golia Matar. India. Madhya Pradesh. Seed.
471438. 50-069-00406. Golia Matar. India. Madhya Pradesh. Seed.
471439. 50-069-00407. India. Seed.

471440 TO 471600. *Vigna unguiculata* (L.) Walp. subsp. *unguiculata*

471440 TO 471600-continued  
(Fabaceae) Southern pea.

From Iran. Regional Pulse Improvement Project, Agency for  
International Development & U.S. Dept. of Agriculture,  
Tehran.

Received October 1980.

- 471440. 62-071-00476. Iran. Tehran. Ministry of Agriculture. 118.  
Cultivated. Seed.
- 471441. 62-071-00479. Iran. Tehran. Ministry of Agriculture. 416.  
Cultivated. Seed.
- 471442. 62-071-00482. Iran. Tehran. Ministry of Agriculture. 362.  
Cultivated. Seed.
- 471443. 62-071-00483. Iran. Tehran. Ministry of Agriculture. 366.  
Cultivated. Seed.
- 471444. 62-071-00484. Iran. Tehran. Ministry of Agriculture. 365.  
Cultivated. Seed.
- 471445. 62-071-00486. Iran. Tehran. Ministry of Agriculture. 113.  
Cultivated. Seed.
- 471446. 62-071-00491. Iran. Tehran. Ministry of Agriculture. 209.  
Cultivated. Seed.
- 471447. 62-071-00493. Iran. Tehran. Ministry of Agriculture. 227.  
Cultivated. Seed.
- 471448. 62-071-00494. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
- 471449. 62-071-00496. Iran. Tehran. Ministry of Agriculture. 115.  
Cultivated. Seed.
- 471450. 62-071-00497. Iran. Tehran. Ministry of Agriculture. 118.  
Cultivated. Seed.
- 471451. 62-132-00505. Senegal. Cultivated. Seed.
- 471452. 62-071-01530. Iran. Cultivated. Seed.
- 471453. 62-071-01535. Iran. Cultivated. Seed.
- 471454. 62-071-01538. Iran. Cultivated. Seed.
- 471455. 62-071-01540. Iran. Cultivated. Seed.
- 471456. 62-071-01542. Iran. Cultivated. Seed.
- 471457. 62-071-01543. Iran. Cultivated. Seed.

471440 TO 471600-continued

471458. 62-071-01549. Iran. Cultivated. Seed.  
471459. 62-071-01551. Iran. Cultivated. Seed.  
471460. 62-071-01552. Iran. Cultivated. Seed.  
471461. 62-071-01553. Iran. Cultivated. Seed.  
471462. 62-071-01555. Iran. Cultivated. Seed.  
471463. 62-071-01556. Iran. Cultivated. Seed.  
471464. 62-071-01558. Iran. Cultivated. Seed.  
471465. 62-071-01573. Iran. Cultivated. Seed.  
471466. 62-071-01581. Iran. Cultivated. Seed.  
471467. 62-071-01583. Iran. Cultivated. Seed.  
471468. 62-071-01588. Iran. Cultivated. Seed.  
471469. 62-071-01589. Iran. Cultivated. Seed.  
471470. 62-071-01590. Iran. Cultivated. Seed.  
471471. 62-071-01591. Iran. Cultivated. Seed.  
471472. 62-071-01592. Iran. Cultivated. Seed.  
471473. 62-071-01594. Iran. Cultivated. Seed.  
471474. 62-071-01596. Iran. Cultivated. Seed.  
471475. 62-071-01598. Iran. Cultivated. Seed.  
471476. 62-071-01603. Iran. Cultivated. Seed.  
471477. 62-071-01606. Iran. Cultivated. Seed.  
471478. 62-071-01608. Iran. Cultivated. Seed.  
471479. 62-071-01609. Iran. Cultivated. Seed.  
471480. 62-071-01610. Iran. Cultivated. Seed.  
471481. 62-071-01611. Iran. Cultivated. Seed.  
471482. 62-071-01614. Iran. Cultivated. Seed.  
471483. 62-071-01615. Iran. Cultivated. Seed.

**471440 TO 471600-continued**

471484. 62-071-0 1623. Iran. Cultivated. Seed.  
471485. 62-071-0 1631. Iran. Cultivated. Seed.  
471486. 62-071-0 1633. Iran. Cultivated. Seed.  
471487. 62-071-0 1646. Iran. Cultivated. Seed.  
471488. 62-071-0 1652. Iran. Cultivated. Seed.  
471489. 62-071-0 1665. Iran. Cultivated. Seed.  
471490. 62-071-0 1667. Iran. Cultivated. Seed.  
471491. 62-071-0 1669. Iran. Cultivated. Seed.  
471492. 62-071-0 1672. Iran. Cultivated. Seed.  
471493. 62-071-0 1674. Iran. Cultivated. Seed.  
471494. 62-071-0 1675. Iran. Cultivated. Seed.  
471495. 62-071-0 1676. Iran. Cultivated. Seed.  
471496. 62-071-0 1678. Iran. Cultivated. Seed.  
471497. 62-071-0 1680. Iran. Cultivated. Seed.  
471498. 62-071-0 1687. Iran. Cultivated. Seed.  
471499. 62-071-0 1688. Iran. Cultivated. Seed.  
471500. 62-071-0 1690. Iran. Cultivated. Seed.  
471501. 62-071-0 1693. Iran. Cultivated. Seed.  
471502. 62-071-0 1694. Iran. Cultivated. Seed.  
471503. 62-071-0 1697. Iran. Cultivated. Seed.  
471504. 62-071-0 1699. Iran. Cultivated. Seed.  
471505. 62-071-0 1711. Iran. Cultivated. Seed.  
471506. 62-071-0 1713. Iran. Cultivated. Seed.  
471507. 62-071-0 1720. Iran. Cultivated. Seed.  
471508. 62-071-0 1721. Iran. Cultivated. Seed.  
471509. 62-071-0 1726. Iran. Cultivated. Seed.



471440 TO 471600-continued

471510. 62-071-01730. Iran. Cultivated. Seed.  
471511. 62-071-01731. Iran. Cultivated. Seed.  
471512. 62-071-01737. Iran. Cultivated. Seed.  
471513. 62-071-01740. Iran. Cultivated. Seed.  
471514. 62-071-01741. Iran. Cultivated. Seed.  
471515. 62-071-01748. Iran. Cultivated. Seed.  
471516. 62-071-01752. Iran. Cultivated. Seed.  
471517. 62-071-01755. Iran. Cultivated. Seed.  
471518. 62-071-01758. Iran. Cultivated. Seed.  
471519. 62-071-01761. Iran. Cultivated. Seed.  
471520. 62-071-01764. Iran. Cultivated. Seed.  
471521. 62-071-01766. Iran. Cultivated. Seed.  
471522. 62-071-01767. Iran. Cultivated. Seed.  
471523. 62-071-01770. Iran. Cultivated. Seed.  
471524. 62-071-01779. Iran. Cultivated. Seed.  
471525. 62-071-01786. Iran. Cultivated. Seed.  
471526. 62-071-01788. Iran. Cultivated. Seed.  
471527. 62-071-01791. Iran. Cultivated. Seed.  
471528. 62-071-01792. Iran. Cultivated. Seed.  
471529. 62-071-01794. Iran. Cultivated. Seed.  
471530. 62-071-01799. Iran. Cultivated. Seed.  
471531. 62-071-01803. Iran. Cultivated. Seed.  
471532. 62-071-01804. Iran. Cultivated. Seed.  
471533. 62-071-01805. Iran. Cultivated. Seed.  
471534. 62-071-01806. Iran. Cultivated. Seed.  
471535. 62-071-01807. Iran. Cultivated. Seed.

**471440 TO 471600-continued**

471536. 62-071-0 1808. Iran. Cultivated. Seed.  
471537. 62-071-0 1809. Iran. Cultivated. Seed.  
471538. 62-071-0 1810. Iran. Cultivated. Seed.  
471539. 62-071-0 1811. Iran. Cultivated. Seed.  
471540. 62-071-0 1814. Iran. Cultivated. Seed.  
471541. 62-071-0 1815. Iran. Cultivated. Seed.  
471542. 62-071-0 1816. Iran. Cultivated. Seed.  
471543. 62-071-0 1817. Iran. Cultivated. Seed.  
471544. 62-071-0 1818. Iran. Cultivated. Seed.  
471545. 62-071-0 1820. Iran. Cultivated. Seed.  
471546. 62-071-0 1823. Iran. Cultivated. Seed.  
471547. 62-071-0 1825. Iran. Cultivated. Seed.  
471548. 62-071-0 1829. Iran. Cultivated. Seed.  
471549. 62-071-0 1833. Iran. Cultivated. Seed.  
471550. 62-071-0 1834. Iran. Cultivated. Seed.  
471551. 62-071-0 1836. Iran. Cultivated. Seed.  
471552. 62-071-0 1838. Iran. Cultivated. Seed.  
471553. 62-071-0 1839. Iran. Cultivated. Seed.  
471554. 62-071-0 1840. Iran. Cultivated. Seed.  
471555. 62-071-0 1843. Iran. Cultivated. Seed.  
471556. 62-071-0 1844. Iran. Cultivated. Seed.  
471557. 62-071-0 1845. Iran. Cultivated. Seed.  
471558. 62-071-0 1846. Iran. Cultivated. Seed.  
471559. 62-071-0 1847. Iran. Cultivated. Seed.  
471560. 62-071-0 1848. Iran. Cultivated. Seed.  
471561. 62-071-0 1850. Iran. Cultivated. Seed.

471440 TO 471600-continued

471562. 62-071-01851. Iran. Cultivated. Seed.  
471563. 62-071-01852. Iran. Cultivated. Seed.  
471564. 62-071-01854. Iran. Cultivated. Seed.  
471565. 62-071-01855. Iran. Cultivated. Seed.  
471566. 62-071-01856. Iran. Cultivated. Seed.  
471567. 62-071-01859. Iran. Cultivated. Seed.  
471568. 62-071-01862. Iran. Cultivated. Seed.  
471569. 62-071-01863. Iran. Cultivated. Seed.  
471570. 62-071-01864. Iran. Cultivated. Seed.  
471571. 62-071-01865. Iran. Cultivated. Seed.  
471572. 62-071-01866. Iran. Cultivated. Seed.  
471573. 62-071-01867. Iran. Cultivated. Seed.  
471574. 62-071-01869. Iran. Cultivated. Seed.  
471575. 62-071-01871. Iran. Cultivated. Seed.  
471576. 62-071-01872. Iran. Cultivated. Seed.  
471577. 62-071-01873. Iran. Cultivated. Seed.  
471578. 62-071-01874. Iran. Cultivated. Seed.  
471579. 62-071-01875. Iran. Cultivated. Seed.  
471580. 62-071-01876. Iran. Cultivated. Seed.  
471581. 62-071-01877. Iran. Cultivated. Seed.  
471582. 62-071-01878. Iran. Cultivated. Seed.  
471583. 62-071-01879. Iran. Cultivated. Seed.  
471584. 62-071-01880. Iran. Cultivated. Seed.  
471585. 62-071-01881. Iran. Cultivated. Seed.  
471586. 62-071-01884. Iran. Cultivated. Seed.  
471587. 62-071-01885. Iran. Cultivated. Seed.

471440 TO 471600-continued

- 471588. 62-071-01886. Iran. Cultivated. Seed.
- 471589. 62-071-01887. Iran. Cultivated. Seed.
- 471590. 62-071-01890. Iran. Cultivated. Seed.
- 471591. 62-071-01893. Iran. Cultivated. Seed.
- 471592. 62-071-01894. Iran. Cultivated. Seed.
- 471593. 62-071-01895. Iran. Cultivated. Seed.
- 471594. 62-071-01897. Iran. Cultivated. Seed.
- 471595. 62-071-01898. Iran. Cultivated. Seed.
- 471596. 62-071-01900. Iran. Cultivated. Seed.
- 471597. 62-071-01901. Iran. Cultivated. Seed.
- 471598. 62-071-01903. Iran. Cultivated. Seed.
- 471599. 62-135-00511. Solomon Islands. Cultivated. Seed.
- 471600. 62-157-00470. United States. Cultivated. Seed.

471601 TO 471817. *Triticum dicoccoides* (Koern. ex Asch. & Graebn.)  
Aaronsohn (Poaceae) Wild emmer.

From Israel. Z. Gerechter - Amitai, Institute of Field & Garden  
Crops, The Volcani Center, Bet Dagan, 50250.  
Received September 1982.

- 471601. G-521. Israel. Wild. Seed.
- 471602. G-522. Israel. Wild. Seed.
- 471603. G-523. Israel. Wild. Seed.
- 471604. G-524. Israel. Wild. Seed.
- 471605. G-525. Israel. Wild. Seed.
- 471606. G-526. Israel. Wild. Seed.
- 471607. G-531. Israel. Wild. Seed.
- 471608. G-532. Israel. Wild. Seed.
- 471609. G-533. Israel. Wild. Seed.

471601 TO 471817-continued

471610. G-534. Israel. Wild. Seed.  
471611. G-537. Israel. Wild. Seed.  
471612. G-538. Israel. Wild. Seed.  
471613. G-539. Israel. Wild. Seed.  
471614. G-540. Israel. Wild. Seed.  
471615. G-541. Israel. Wild. Seed.  
471616. G-543. Israel. Wild. Seed.  
471617. G-544. Israel. Wild. Seed.  
471618. G-545. Israel. Wild. Seed.  
471619. G-546. Israel. Wild. Seed.  
471620. G-547. Israel. Wild. Seed.  
471621. G-548. Israel. Wild. Seed.  
471622. G-549. Israel. Wild. Seed.  
471623. G-551. Israel. Wild. Seed.  
471624. G-552. Israel. Wild. Seed.  
471625. G-553. Israel. Wild. Seed.  
471626. G-554. Israel. Wild. Seed.  
471627. G-555. Israel. Wild. Seed.  
471628. G-556. Israel. Wild. Seed.  
471629. G-557. Israel. Wild. Seed.  
471630. G-558. Israel. Wild. Seed.  
471631. G-560. Israel. Wild. Seed.  
471632. G-561. Israel. Wild. Seed.  
471633. G-562. Israel. Wild. Seed.  
471634. G-563. Israel. Wild. Seed.  
471635. G-564. Israel. Wild. Seed.

471601 TO 471817-continued

471636. G-565. Israel. Wild. Seed.  
471637. G-566. Israel. Wild. Seed.  
471638. G-568. Israel. Wild. Seed.  
471639. G-569. Israel. Wild. Seed.  
471640. G-570. Israel. Wild. Seed.  
471641. G-571. Israel. Wild. Seed.  
471642. G-572. Israel. Wild. Seed.  
471643. G-573. Israel. Wild. Seed.  
471644. G-574. Israel. Wild. Seed.  
471645. G-575. Israel. Wild. Seed.  
471646. G-576. Israel. Wild. Seed.  
471647. G-577. Israel. Wild. Seed.  
471648. G-578. Israel. Wild. Seed.  
471649. G-579. Israel. Wild. Seed.  
471650. G-580. Israel. Wild. Seed.  
471651. G-581. Israel. Wild. Seed.  
471652. G-582. Israel. Wild. Seed.  
471653. G-584. Israel. Wild. Seed.  
471654. G-585. Israel. Wild. Seed.  
471655. G-586. Israel. Wild. Seed.  
471656. G-587. Israel. Wild. Seed.  
471657. G-588. Israel. Wild. Seed.  
471658. G-589. Israel. Wild. Seed.  
471659. G-590. Israel. Wild. Seed.  
471660. G-591. Israel. Wild. Seed.  
471661. G-592. Israel. Wild. Seed.

471601 TO 471817-continued

471662. G-593. Israel. Wild. Seed.  
471663. G-594. Israel. Wild. Seed.  
471664. G-595. Israel. Wild. Seed.  
471665. G-596. Israel. Wild. Seed.  
471666. G-597. Israel. Wild. Seed.  
471667. G-598. Israel. Wild. Seed.  
471668. G-599. Israel. Wild. Seed.  
471669. G-600. Israel. Wild. Seed.  
471670. G-601. Israel. Wild. Seed.  
471671. G-602. Israel. Wild. Seed.  
471672. G-603. Israel. Wild. Seed.  
471673. G-604. Israel. Wild. Seed.  
471674. G-605. Israel. Wild. Seed.  
471675. G-606. Israel. Wild. Seed.  
471676. G-610. Israel. Wild. Seed.  
471677. G-611. Israel. Wild. Seed.  
471678. G-613. Israel. Wild. Seed.  
471679. G-614. Israel. Wild. Seed.  
471680. G-616. Israel. Wild. Seed.  
471681. G-617. Israel. Wild. Seed.  
471682. G-618. Israel. Wild. Seed.  
471683. G-619. Israel. Wild. Seed.  
471684. G-621. Israel. Wild. Seed.  
471685. G-623. Israel. Wild. Seed.  
471686. G-624. Israel. Wild. Seed.  
471687. G-625. Israel. Wild. Seed.

**471601 TO 471817-continued**

471688. G-627. Israel. Wild. Seed.  
471689. G-628. Israel. Wild. Seed.  
471690. G-632. Israel. Wild. Seed.  
471691. G-633. Israel. Wild. Seed.  
471692. G-634. Israel. Wild. Seed.  
471693. G-635. Israel. Wild. Seed.  
471694. G-636. Israel. Wild. Seed.  
471695. G-637. Israel. Wild. Seed.  
471696. G-638. Israel. Wild. Seed.  
471697. G-639. Israel. Wild. Seed.  
471698. G-641. Israel. Wild. Seed.  
471699. G-642. Israel. Wild. Seed.  
471700. G-645. Israel. Wild. Seed.  
471701. G-646. Israel. Wild. Seed.  
471702. G-647. Israel. Wild. Seed.  
471703. G-648. Israel. Wild. Seed.  
471704. G-649. Israel. Wild. Seed.  
471705. G-652. Israel. Wild. Seed.  
471706. G-653. Israel. Wild. Seed.  
471707. G-654. Israel. Wild. Seed.  
471708. G-657. Israel. Wild. Seed.  
471709. G-659. Israel. Wild. Seed.  
471710. G-660. Israel. Wild. Seed.  
471711. G-662. Israel. Wild. Seed.  
471712. G-663. Israel. Wild. Seed.  
471713. G-664. Israel. Wild. Seed.



471601 TO 471817-continued

471714. G-665. Israel. Wild. Seed.  
471715. G-666. Israel. Wild. Seed.  
471716. G-668. Israel. Wild. Seed.  
471717. G-669. Israel. Wild. Seed.  
471718. G-670. Israel. Wild. Seed.  
471719. G-673. Israel. Wild. Seed.  
471720. G-674. Israel. Wild. Seed.  
471721. G-676. Israel. Wild. Seed.  
471722. G-677. Israel. Wild. Seed.  
471723. G-678. Israel. Wild. Seed.  
471724. G-679. Israel. Wild. Seed.  
471725. G-680. Israel. Wild. Seed.  
471726. G-681. Israel. Wild. Seed.  
471727. G-682. Israel. Wild. Seed.  
471728. G-683. Israel. Wild. Seed.  
471729. G-684. Israel. Wild. Seed.  
471730. G-685. Israel. Wild. Seed.  
471731. G-686. Israel. Wild. Seed.  
471732. G-687. Israel. Wild. Seed.  
471733. G-688. Israel. Wild. Seed.  
471734. G-689. Israel. Wild. Seed.  
471735. G-691. Israel. Wild. Seed.  
471736. G-692. Israel. Wild. Seed.  
471737. G-693. Israel. Wild. Seed.  
471738. G-694. Israel. Wild. Seed.  
471739. G-695. Israel. Wild. Seed.

471601 TO 471817-continued

471740. G-696. Israel. Wild. Seed.  
471741. G-697. Israel. Wild. Seed.  
471742. G-698. Israel. Wild. Seed.  
471743. G-699. Israel. Wild. Seed.  
471744. G-700. Israel. Wild. Seed.  
471745. G-701. Israel. Wild. Seed.  
471746. G-702. Israel. Wild. Seed.  
471747. G-703. Israel. Wild. Seed.  
471748. G-704. Israel. Wild. Seed.  
471749. G-705. Israel. Wild. Seed.  
471750. G-706. Israel. Wild. Seed.  
471751. G-707. Israel. Wild. Seed.  
471752. G-708. Israel. Wild. Seed.  
471753. G-710. Israel. Wild. Seed.  
471754. G-711. Israel. Wild. Seed.  
471755. G-712. Israel. Wild. Seed.  
471756. G-714. Israel. Wild. Seed.  
471757. G-715. Israel. Wild. Seed.  
471758. G-716. Israel. Wild. Seed.  
471759. G-717. Israel. Wild. Seed.  
471760. G-718. Israel. Wild. Seed.  
471761. G-719. Israel. Wild. Seed.  
471762. G-720. Israel. Wild. Seed.  
471763. G-722. Israel. Wild. Seed.  
471764. G-723. Israel. Wild. Seed.  
471765. G-7-2H. Israel. Wild. Seed.

471601 TO 471817-continued

- 471766. G-213-2M. Israel. Wild. Seed.
- 471767. G-239-M. Israel. Wild. Seed.
- 471768. G-280-1BM. Israel. Wild. Seed.
- 471769. G-305-3M. Israel. Wild. Seed.
- 471770. G-360-M. Israel. Wild. Seed.
- 471771. G-25-78-28. Israel. Wild. Seed.
- 471772. G-168-1-2-6M. Israel. Wild. Seed.
- 471773. G-4M-1M. Israel. Wild. Seed.
- 471774. G-21-1-1BM. Israel. Wild. Seed.
- 471775. G-25-4M. Israel. Wild. Seed.
- 471776. G-28-2BM. Israel. Wild. Seed.
- 471777. G-29-1M-8. Israel. Wild. Seed.
- 471778. G-40-1-2B-1M. Israel. Wild. Seed.
- 471779. G-90-1-1EM. Israel. Wild. Seed.
- 471780. G-117-1-1-1-2M. Israel. Wild. Seed.
- 471781. G-121-1-3-1M. Israel. Wild. Seed.
- 471782. G-148-1-2M. Israel. Wild. Seed.
- 471783. G-156-3M. Israel. Wild. Seed.
- 471784. G-168-1-2M. Israel. Wild. Seed.
- 471785. G-193-1M. Israel. Wild. Seed.
- 471786. G-194-3M-6M. Israel. Wild. Seed.
- 471787. G-283-10-2M. Israel. Wild. Seed.
- 471788. G-288-3-5M. Israel. Wild. Seed.
- 471789. G-303-1M. Israel. Wild. Seed.
- 471790. G-305-3M. Israel. Wild. Seed.
- 471791. G-309-8-1B-2M. Israel. Wild. Seed.

471601 TO 471817-continued

471792. G-313-9-1-1M. Israel. Wild. Seed.  
471793. G-314-7M. Israel. Wild. Seed.  
471794. G-315A-3M. Israel. Wild. Seed.  
471795. G-316-2-5M. Israel. Wild. Seed.  
471796. G-318-13-1M. Israel. Wild. Seed.  
471797. G-326-1-5B. Israel. Wild. Seed.  
471798. G-332-1-3-5M. Israel. Wild. Seed.  
471799. G-342-2-2M. Israel. Wild. Seed.  
471800. G-344-1-1-3M. Israel. Wild. Seed.  
471801. G-348-4M. Israel. Wild. Seed.  
471802. G-363-5M. Israel. Wild. Seed.  
471803. G-395-7M. Israel. Wild. Seed.  
471804. G-416-4M. Israel. Wild. Seed.  
471805. G-457-1. Israel. Wild. Seed.  
471806. G-474-3M. Israel. Wild. Seed.  
471807. G-484-6M. Israel. Wild. Seed.  
471808. G-485-5M. Israel. Wild. Seed.  
471809. G-487-2M. Israel. Wild. Seed.  
471810. G-439M. Israel. Wild. Seed.  
471811. G-480-6. Israel. Wild. Seed.  
471812. G-495M. Israel. Wild. Seed.  
471813. G-503M. Israel. Wild. Seed.  
471814. G-654. Israel. Wild. Seed.  
471815. G-695. Israel. Wild. Seed.  
471816. G-206M. Israel. Wild. Seed.  
471817. G-275-1M. Israel. Wild. Seed.

471818 TO 471898. *Zea mays* L. (Poaceae) Field corn.

From Mexico. Centro Internacional de Mejoramiento de Maiz and Trigo, Mexico 6, D.F. Received through Pioneer Hi-Bred International, Inc., Dept. of Corn Breeding, Homestead, FL.

Received July 1982.

471818. 47. Bolivia. Lat. 17 deg. S, Long. 64 deg. W. 700M. Cuban Yellow race. Seeds yellow. Cultivated. Seed.
471819. 49. Bolivia. Lat. 17 deg. S, Long. 64 deg. W. Cuban Yellow-Coroico race. Seeds yellow. Cultivated. Seed.
471820. 54. Brazil. Lat. 22 deg. S, Long. 55 deg. W. 500M. Avati-Moroti race. Seeds white-purple. Cultivated. Seed.
471821. 56. Brazil. 500M. Avati-DJAKAIRA race. Seeds white-purple. Cultivated. Seed.
471822. 88. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 100M. Naltel-Negrilo-Cuban Yellow race. Seeds yellow-red. Cultivated. Seed.
471823. 139. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 50M. Chococeno race. Seeds purple. Cultivated. Seed.
471824. 140. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 50M. Chococeno race. Seeds purple. Cultivated. Seed.
471825. 153. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Cacao, Sta. Cruz, Guana Province. 50M. Naltel-Clavillo race. Seeds white. Local name Maicena. Cultivated. Seed.
471826. 155. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Estocolmo/Barrio/Buenos, Guana Province. 60M. Clavillo race. Seeds white. Local name Blanco. Cultivated. Seed.
471827. 157. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 80M. Naltel-Tepecintle race. Seeds white. Cultivated. Seed.
471828. 159. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Cacao, Sta. Cruz, Guana Province. 80M. Naltel-Clavillo-Cuban Flint race. Seeds white-yellow. Local name Amarillo. Cultivated. Seed.
471829. 160. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 80M. Naltel-Negrilo race. Seeds purple. Cultivated. Seed.
471830. 161. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Cacao, Sta. Cruz, Guana Province. 80M. Naltel-Tepecintle race. Seeds white-yellow. Local name Maizon. Cultivated. Seed.
471831. 162. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W.

471818 TO 471898-continued

- Bernabela, Sta. Cruz, Guana Province. 60M. Naltel-Clavillo race. Seeds white. Local name Maicena. Cultivated. Seed.
471832. 163. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Bernabela, Sta. Cruz, Guana Province. 60M. Naltel race. Seeds white. Local name Maicena. Cultivated. Seed.
471833. 164. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 60M. Naltel-Negrigo race. Seeds purple. Cultivated. Seed.
471834. 165. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Campero, Cacao, Sta. Cruz, Guana Province. 60M. Clavillo race. Seeds white. Local name Maicena. Cultivated. Seed.
471835. 168. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Arado, Sta. Cruz, Guana Province. 80M. Naltel-Clavillo race. Seeds white. Local name Patango. Cultivated. Seed.
471836. 169. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. La Garua, Sta. Cruz, Guana Province. 90M. Naltel-Clavillo race. Seeds white. Local name Maicena. Cultivated. Seed.
471837. 170. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. La Garua, Sta. Cruz, Guana Province. 90M. Clavillo race. Seeds white. Local name Maicena. Cultivated. Seed.
471838. 172. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 80M. Oloton-Cuban Yellow race. Seeds yellow. Cultivated. Seed.
471839. 174. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Veintisiete De Abril Sta., Guana Province. 60M. Naltel-Clavillo-Negrigo race. Seeds white-purple. Local name California. Cultivated. Seed.
471840. 175. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Veintisiete De Abril.Sta., Guana Province. 60M. Naltel race. Seeds white. Local name Patango. Cultivated. Seed.
471841. 176. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 60M. Negrigo-Clavillo-Tepecintle race. Seeds white-purple. Cultivated. Seed.
471842. 177. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Lagunilla, Sta. Cruz, Guana Province. 80M. Naltel-Tepecintle race. Seeds white. Local name Patango. Cultivated. Seed.
471843. 178. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Lagunilla, Guana Province. 50M. Naltel-Tepecintle race. Seeds white. Local name Patango. Cultivated. Seed.
471844. 183. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. San

471818 TO 471898-continued

- Vicente, Nicoya, Guana Province. 90M. Naltel-Clavillo race. Seeds white. Local name Maicena. Cultivated. Seed.
471845. 184. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 100M. Negrito-Tepecintle race. Seeds white-purple. Cultivated. Seed.
471846. 185. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Sta. Rita, Nicoya, Guana Province. 50M. Naltel-Clavillo race. Seeds white. Local name Maicena. Cultivated. Seed.
471847. 201. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Tejona, Tronadora, Guana Province. 540M. Naltel race. Seeds white. Local name Tuza Morada. Cultivated. Seed.
471848. 205. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Higueron, Canas, Guana Province. 90M. Naltel race. Seeds white. Local name Tuaz Morada Blanco. Cultivated. Seed.
471849. 206. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Cuatro Esquinas, Canas, Guana Province. 80M. Tepecintle-Oloton-Clavillo race. Seeds white-yellow. Local name Patango. Cultivated. Seed.
471850. 212. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 450M. Naltel race. Seeds white. Cultivated. Seed.
471851. 214. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. La Ese Bagaces, Guana Province. 430M. Naltel race. Seeds white. Local name Tuza Morada Blanco. Cultivated. Seed.
471852. 216. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 390M. Chococeno race. Seeds white-purple. Cultivated. Seed.
471853. 218. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 125M. Naltel race. Seeds white. Cultivated. Seed.
471854. 220. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Colpachi, Penas Blancas, Guana Province. 10M. Naltel-Clavillo-Tepecintle race. Seeds white-yellow. Local name Salvadoreno. Cultivated. Seed.
471855. 221. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 15M. Naltel-Clavillo-Negrito race. Seeds red. Cultivated. Seed.
471856. 222. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Colpachi, Penas Blancas, Guana Province. 80M. Clavillo-Oloton race. Seeds white-purple. Local name Maicena. Cultivated. Seed.
471857. 223. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 220M. Negrito-Tepecintle race. Seeds purple. Cultivated. Seed.

471818 TO 471898-continued

471858. 224. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 220M. Negrito-Tepecintle race. Seeds purple. Cultivated. Seed.
471859. 225. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. La Cruz, Guana Province. 220M. Naltel-Oloton race. Seeds white. Local name Maiz Blanco. Cultivated. Seed.
471860. 226. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Cuajiniquil, Guana Province. 10M. Tepecintle race. Seeds white. Local name Maizon Blanco. Cultivated. Seed.
471861. 228. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 5M. Tepecintle-Clavillo race. Seeds white. Cultivated. Seed.
471862. 231. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Sardinal, Carrillo, Guana Province. 80M. Naltel-Clavillo race. Seeds white. Local name Maicena. Cultivated. Seed.
471863. 232. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Sardinal, Carrillo, Guana Province. 80M. Naltel-Clavillo race. Seeds white. Cultivated. Seed.
471864. 233. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Sardinal, Carrillo, Guana Province. 80M. Naltel-Tepecintle-Clavillo race. Seeds white-yellow. Local name Blanco. Cultivated. Seed.
471865. 234. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Tabores, Sardinal, Carrillo, Guana Province. 70M. Naltel-Clavillo race. Seeds white. Local name Maicena. Cultivated. Seed.
471866. 235. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Tabores, Sardinal, Carrillo, Guana Province. 70M. Naltel race. Seeds white. Local name Patango Blanco. Cultivated. Seed.
471867. 236. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Tabores, Sardinal, Carrillo, Guana Province. 60M. Salvadoreno race. Seeds white. Local name Maiz Blanco. Cultivated. Seed.
471868. 237. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 40M. Naltel-Clavillo race. Seeds white. Cultivated. Seed.
471869. 238. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Palmira, Carrillo, Guana Province. 40M. Clavillo-Tepecintle race. Seeds white. Local name Maicena Blanco. Cultivated. Seed.
471870. 240. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Comunidad, Guana Province. 30M. Naltel race. Seeds white.



471818 TO 471898-continued

Local name Maicena Blanco. Cultivated. Seed.

471871. 241. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Comunidad, Guana Province. 20M. Naltel-Clavillo race. Seeds white. Local name Maicena Tuza Morada. Cultivated. Seed.
471872. 242. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Guardia, Guana Province. 35M. Naltel-Salvadoreno race. Seeds white. Local name Maiz Blanco. Cultivated. Seed.
471873. 243. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Guardia, Liberia, Guana Province. 40M. Naltel race. Seeds white. Local name Maiz Blanco. Cultivated. Seed.
471874. 244. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Quebrada Grande, Liberia, Guana Province. 360M. Tepecintle-Oloton race. Seeds white. Local name Maiz Criollo. Cultivated. Seed.
471875. 250. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 90M. Naltel-Negrito race. Seeds purple-white. Cultivated. Seed.
471876. 251. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Canas Dulces, Liberia, Guana Province. 80M. Naltel race. Seeds white. Local name Blanco Tuza Morada. Cultivated. Seed.
471877. 252. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Canas Dulces, Liberia, Guana Province. 80M. Clavillo-Tepecintle race. Seeds white-yellow. Local name Blanco. Cultivated. Seed.
471878. 255. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Terrero, Liberia, Guana Province. 90M. Naltel race. Seeds white. Local name Blanco Tuza Morada. Cultivated. Seed.
471879. 258. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Sn Antonio, Nicoya, Guana Province. 100M. Naltel-Clavillo race. Seeds white. Local name Maicena. Cultivated. Seed.
471880. 260. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Vigia, Nicoya, Guana Province. 20M. Naltel race. Seeds white. Local name Chireno. Cultivated. Seed.
471881. 261. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 170M. Naltel-Negrito race. Seeds purple-white. Cultivated. Seed.
471882. 263. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Sn Antonio, Nicoya, Guana Province. 70M. Clavillo race. Seeds yellow. Local name Maicena Amarillo. Cultivated. Seed.
471883. 267. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. Sn

471818 TO 471898-continued

- Vicente, Nicoya, Guana Province. 100M. Salvadoreno-Clavillo race. Seeds white. Local name Blanco. Cultivated. Seed.
471884. 268. Costa Rica. Lat. 10 deg. N, Long. 84 deg. W. 70M. Negrito-Clavillo race. Seeds purple-white. Cultivated. Seed.
471885. 339. Colombia. Choco. 27M. Negrito race. Seeds purple. Cultivated. Seed.
471886. 366. Colombia. Cundinamarca. Pollo race. Seeds white-yellow. Cultivated. Seed.
471887. 399. Colombia. Magdalena. 229M. Coroico race. Seeds yellow. Cultivated. Seed.
471888. 405. Bolivia. Coroico race. Seeds yellow-bronze. Cultivated. Seed.
471889. 438. Bolivia. Coroico-Amarillo race. Seeds yellow-bronze. Cultivated. Seed.
471890. 462. Colombia. Boyaca. Pira-BCO race. Seeds white. Cultivated. Seed.
471891. 480. Colombia. Cundinamarca. Pira-BCO race. Seeds white. Cultivated. Seed.
471892. 635. Bolivia. Argentina-Cuban Yellow race. Seeds yellow-orange. Cultivated. Seed.
471893. 792. Bolivia. Coroico-BCO race. Seeds white. Cultivated. Seed.
471894. 1000. Bolivia. Coroico-Amarillo race. Seeds bronze-yellow. Cultivated. Seed.
471895. 1042. Bolivia. Coroico race. Seeds bronze. Cultivated. Seed.
471896. 1048. Bolivia. Coroico-Blanco race. Seeds white. Cultivated. Seed.
471897. 1063. Bolivia. Coroico race. Seeds bronze. Cultivated. Seed.
471898. 1082. Bolivia. Coroico-Blanco race. Seeds white. Cultivated. Seed.

471899 TO 471904. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Indonesia. Sumarno, Central Research Institute for

**471899 TO 471904-continued**

Agriculture, Bogor. Received through J. Pennington, Dept. of Genetics, Iowa State Univ., Ames, IA.  
Received October 1982.

471899. No. 16. Indonesia. Seeds black. Cultivated. Seed.

471900. No. 1682. Indonesia. Cultivated. Seed.

471901. Golunggung. Indonesia. Cultivated. Seed.

471902. Guntur. Indonesia. Cultivated. Seed.

471903. Lokon. Indonesia. Cultivated. Seed.

471904. Orba. Indonesia. Cultivated. Seed.

**471905. *Triticum aestivum* L. (Poaceae) Common wheat.**

From United Kingdom. Nickerson RPE Limited, Joseph Nickerson Research Center, Lincoln LN7 6DT England. Received through IBPGR/FAO, Rome and Kew Royal Botanic Gardens, Wakehurst Place, England.  
Received September 1982.

'Perdix'. German Democratic Repub. Introduced as a cultivar in 1964. From Heines Company. Winter Annual. Cultivar. Seed.

**471906 TO 471910. *Avena sativa* L. (Poaceae) Common oat.**

From United States. H. G. Marshall, Department of Agronomy, U.S. Dept. of Agriculture, Pennsylvania State University, University Park, Pennsylvania.  
Received September 1982.

471906. AR 143-3. United States. Florida 500/Midsouth//CI 8362/3/Bob Sib. Arkansas. Plant height and maturity similar to 'Bob'. Cold tolerant. Facultative Annual. Breeding Material. Seed.

471907. AR 144-5. United States. Bob Sib/Coker 234. Arkansas. Plant height and maturity similar to 'Bob'. Cold tolerant. Facultative Annual. Breeding Material. Seed.

471908. NC 79-5. United States. Salem/Windsor. North Carolina. Plants medium height. Maturity early. Lodging resistance excellent. Cold tolerant. Protein production moderately high. Winter Annual. Breeding Material. Seed.

471909. NC 79-43. United States. Windsor/Firecracker. North Carolina. Plants medium height. Maturity medium to early.

**471906 TO 471910-continued**

Straw strength fair. Moderately good cold tolerance.  
Protein production moderately high. Winter Annual.  
Breeding Material. Seed.

- 471910.** PA7507-136. United States. Selection from Pa. Composite 11-1. Pennsylvania. Moderately winter hardy. Winter Annual. Breeding Material. Seed.

**471911 TO 471913. *Hordeum vulgare* L. (Poaceae) Barley.**

From United States. North American Plant Breeders, Berthoud, Colorado.  
Received September 1982.

- 471911.** Bridger 82. United States. Two-rowed intermountain spring type. Maturity midseason, earlier than Summit and Klages. Spikes lax, awns rough. Hulls semi-wrinkled with very few or no teeth. Also known as NAPB-12 AND 2B77-325A. Cultivar. Seed.
- 471912.** Lindy. United States. Six-rowed intermountain spring type. Maturity midseason. Juvenile growth semi-prostrate. Spikes lax, awnletted. Hulls slightly wrinkled, midlong. Aleurone colorless. Used for feed. Cultivar. Seed.
- 471913.** Teton. United States. Six-rowed intermountain spring type. Maturity midseason. Juvenile growth semi-prostrate. Spikes lax, awnletted. Hulls slightly wrinkled. Used for feed. Also known as NAPB-9 AND 6B76-181A. Cultivar. Seed.

**471914. *Hordeum vulgare* L. (Poaceae) Barley.**

From United States. T. M. Starling, Dept. of Agronomy & Virginia Agricultural Expt. Station, Virginia Polytechnic Inst. & State Univ., Blacksburg, Virginia.  
Received September 1982.

Va. 75-42-55. 'Sussex'. United States. Plants medium height, awnletted. Maturity early. Yield high. Resistant to scald and powdery mildew. Tolerant to net blotch and barley yellow dwarf virus. Moderately susceptible to winter killing and should not be grown outside Coastal Plains and southern Piedmont, Virginia. Susceptible to leaf rust. Cultivar. Seed.

**471915. *Cicer arietinum* L. (Fabaceae) Chickpea.**

From United States. R. M. Hannan, Western Regional Plant Introduction Station, Pullman, Washington.  
Received September 1982.

471915-continued

82-06. Tunisia. Blight Nursery-1980, ICARDA, Aleppo, Syria. ILC 3279. Plants very upright. Leaves pinnately compound. Seeds medium-sized, round, white (cream). Cultivated. Breeding Material. Seed.

471916 TO 471917. *Lens culinaris* Medik. (Fabaceae) Lentil.

From United States. R. M. Hannan, Western Regional Plant Introduction Station, Pullman, Washington.  
Received September 1982.

471916. 82-01. Laird lentil. Canada. Saskatoon. A.Slinkard, Crop Sci. Dept., Univ. of Saskatchewan. South Central Canada. Cotyledon yellow. Seed coat tan to olive-tan. Seed diameter 5-7mm. Primitive Cultivar. Seed.

471917. 82-02. Easton lentil. Canada. Saskatoon. A.Slinkard, Crop Sci. Dept., Univ. of Saskatchewan. South Central Canada. Cotyledon yellow. Seed coat color mixed. Seed diameter 4-6mm. Primitive Cultivar. Seed.

471918. *Vicia faba* L. (Fabaceae) Broadbean.

From Iran. Regional Pulse Improvement Project, Tehran.  
Received May 1982.

200. Iran. Karaj. Karaj Agricultural College. C. Ballard 1964-10. Mazandaran. See PI 469114 - 469210 records.  
Cultivated. Seed.

471919 TO 471923. *Triticum aestivum* L. (Poaceae) Common wheat.

From Mexico. International Maize and Wheat Improvement Center, Mexico 6, D.F.  
Received October 1982.

471919. Genaro 81. Used for bread. Breeding Material. Seed.

471920. Glennson 81. Used for bread. Breeding Material. Seed.

471921. Sonoita 81. Used for bread. Breeding Material. Seed.

471922. Tomichi 81. Used for bread. Breeding Material. Seed.

471923. Ures 81. Used for bread. Breeding Material. Seed.

471924. *Triticum spelta* L. (Poaceae) Spelt.

From United States. R. F. Line, Wheat Breeding & Production

471924-continued

Research, USDA, Washington State University, Pullman,  
Washington.

Received October 1982.

WA 5768. United States. Received as *T. album spelta*.  
Breeding Material. Seed.

471925 TO 471943. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Japan. I. Watanabe, Agriculture Research Center, Yatabe,  
Tsukuba, 305.

Received September 1982.

- 471925. Nepal. 0162. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220015. Cultivated. Seed.
- 471926. Nepal. 0170. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220003. Cultivated. Seed.
- 471927. Nepal. 0171. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220004. Cultivated. Seed.
- 471928. Nepal. 0172. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220018. Cultivated. Seed.
- 471929. Nepal. 0173. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220005. Cultivated. Seed.
- 471930. Nepal. 0175. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220006. Cultivated. Seed.
- 471931. Nepal. 0185. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220020. Cultivated. Seed.
- 471932. Nepal. 0189. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220007. Cultivated. Seed.
- 471933. Nepal. 0190. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220008. Cultivated. Seed.
- 471934. Nepal. 0192. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220023. Cultivated. Seed.
- 471935. Nepal. 0193. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220009. Cultivated. Seed.
- 471936. Nepal. 0194. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220010. Cultivated. Seed.
- 471937. Nepal. 0196. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220011. Cultivated. Seed.

471925 TO 471943-continued

471938. Nepal. 0197. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220024. Cultivated. Seed.
471939. Nepal. 0198. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220012. Cultivated. Seed.
471940. Nepal. 0240. Div. of Gen., Nat. Inst. of Agri. Sci.,  
Tsukuba. 220026. Cultivated. Seed.
471941. 1978/Watanabe-4. Nepal. Div. of Gen., Nat. Inst. of Agri.  
Sci., Tsukuba. 220013. Cultivated. Seed.
471942. 1978/Watanabe-5. Nepal. Div. of Gen., Nat. Inst. of Agri.  
Sci., Tsukuba. 220028. Cultivated. Seed.
471943. 1978/Watanabe-6. Nepal. Div. of Gen., Nat. Inst. of Agri.  
Sci., Tsukuba. 220014. Cultivated. Seed.

471944 TO 472005. *Arachis hypogaea* L. (Fabaceae) Peanut.

From Zimbabwe. G. L. Hildebrand, Crop Breeding Institute,  
Causeway.

Received September 1982.

471944. 6/11/5. Zimbabwe. Breeding Material. Seed.
471945. 6/12/4. Zimbabwe. Breeding Material. Seed.
471946. 6/12/8. Zimbabwe. Breeding Material. Seed.
471947. 12/7/5. Zimbabwe. Breeding Material. Seed.
471948. 12/7/9. Zimbabwe. Breeding Material. Seed.
471949. 12/7/10. Zimbabwe. Breeding Material. Seed.
471950. 12/7/11. Zimbabwe. Breeding Material. Seed.
471951. 12/7/16. Zimbabwe. Breeding Material. Seed.
471952. 31/7/10. Zimbabwe. Breeding Material. Seed.
471953. 31/7/19. Zimbabwe. Breeding Material. Seed.
471954. 31/7/28. Zimbabwe. Breeding Material. Seed.
471955. 31/7/45. Zimbabwe. Breeding Material. Seed.
471956. 31/8/2. Zimbabwe. Breeding Material. Seed.
471957. 34/6/11. Zimbabwe. Breeding Material. Seed.

471944 TO 472005-continued

471958. 41/7/13. Zimbabwe. Breeding Material. Seed.  
471959. 42/6/8. Zimbabwe. Breeding Material. Seed.  
471960. 44/7/13. Zimbabwe. Breeding Material. Seed.  
471961. 44/7/18. Zimbabwe. Breeding Material. Seed.  
471962. 44/7/32. Zimbabwe. Breeding Material. Seed.  
471963. 44/8/10. Zimbabwe. Breeding Material. Seed.  
471964. 46/7/16. Zimbabwe. Breeding Material. Seed.  
471965. 47/7/20. Zimbabwe. Breeding Material. Seed.  
471966. 47/8/21. Zimbabwe. Breeding Material. Seed.  
471967. 48/8/5. Zimbabwe. Breeding Material. Seed.  
471968. 48/8/15. Zimbabwe. Breeding Material. Seed.  
471969. 75/6/1. Zimbabwe. Breeding Material. Seed.  
471970. C347/5/6. Zimbabwe. Breeding Material. Seed.  
471971. C347/5/8. Zimbabwe. Breeding Material. Seed.  
471972. C348/5/1. Zimbabwe. Breeding Material. Seed.  
471973. C348/5/4. Zimbabwe. Breeding Material. Seed.  
471974. C349/5/4. Zimbabwe. Breeding Material. Seed.  
471975. C349/5/5. Zimbabwe. Breeding Material. Seed.  
471976. C350/5/3. Zimbabwe. Breeding Material. Seed.  
471977. C350/5/6. Zimbabwe. Breeding Material. Seed.  
471978. C359/5/4. Zimbabwe. Breeding Material. Seed.  
471979. C359/5/6. Zimbabwe. Breeding Material. Seed.  
471980. C360/5/3. Zimbabwe. Breeding Material. Seed.  
471981. M/7/4. Zimbabwe. Breeding Material. Seed.  
471982. M/7/28. Zimbabwe. Breeding Material. Seed.  
471983. M/7/31. Zimbabwe. Breeding Material. Seed.



471944 TO 472005-continued

- 471984. M/7/60. Zimbabwe. Breeding Material. Seed.
- 471985. P1/8/8. Zimbabwe. Breeding Material. Seed.
- 471986. P9/10/2. Zimbabwe. Breeding Material. Seed.
- 471987. P9/10/3. Zimbabwe. Breeding Material. Seed.
- 471988. P10/7/10. Zimbabwe. Breeding Material. Seed.
- 471989. P18/10/1. Zimbabwe. Breeding Material. Seed.
- 471990. P37/6/2. Zimbabwe. Breeding Material. Seed.
- 471991. P84/5/23. Zimbabwe. Breeding Material. Seed.
- 471992. P84/5/49. Zimbabwe. Breeding Material. Seed.
- 471993. P84/5/112. Zimbabwe. Breeding Material. Seed.
- 471994. P84/5/118. Zimbabwe. Breeding Material. Seed.
- 471995. P84/5/147. Zimbabwe. Breeding Material. Seed.
- 471996. P84/5/213. Zimbabwe. Breeding Material. Seed.
- 471997. P84/5/244. Zimbabwe. Breeding Material. Seed.
- 471998. P84/5/247. Zimbabwe. Breeding Material. Seed.
- 471999. P84/5/256. Zimbabwe. Breeding Material. Seed.
- 472000. P84/5/271. Zimbabwe. Breeding Material. Seed.
- 472001. P84/5/315. Zimbabwe. Breeding Material. Seed.
- 472002. P84/5/344. Zimbabwe. Breeding Material. Seed.
- 472003. P84/5/472. Zimbabwe. Breeding Material. Seed.
- 472004. P84/5/498. Zimbabwe. Breeding Material. Seed.
- 472005. P104/3/7. Zimbabwe. Breeding Material. Seed.

472006 TO 472015. *Lotus corniculatus* L. (Fabaceae) Birdsfoot trefoil.

From United States. Northeastern Regional Plant Introduction  
Station, Geneva, New York.  
Received May 1978.

- 472006. G-14726. Old Town. United States. Big Flats, NY. Big

472006 TO 472015-continued

- Flats Plant Materials Center, SCS. NY 3372. Collected September 08, 1962. Alleghany County, Maryland. Collected by Ruffner. Wild. Seed.
472007. G-16901. R, R, Seaney, Cornell Univ., Ithaca, NY. Origin unknown but probably from Mediterranean area. Seed.
472008. 'Tana'. United States. Montana State Univ., Huntley, MT. Dept. of Plant & Soil Science, Agri. Exp. Sta. Received through Bridger Plant Materials Center, SCS, Bridger, Montana. Seed.
472009. G-17403. Canada. Napan, Nova Scotia. Cereal & Forage Crops, Agriculture Canada. Collected near Nappan, N. S. Wild. Seed.
472010. G-17404. Canada. Napan, Nova Scotia. Cereal & Forage Crops, Agriculture Canada. Collected near Nappan, N. S. Wild. Seed.
472011. G-18843. United States. Big Flats, NY. Big Flats Plant Materials Center. NY 3789. National Plant Materials Cen. SCS, Beltsville, MD. BN 14762. Collected July 1963. Chataugua County, New York. Wild. Seed.
472012. G-18984. LE-1. Uruguay. La Estanzuela, Colonia. G.F. Fischer, Inst. Fitotecnico & Semillero Nac. . Forage Crops Research Branch, USDA, Beltsville, MD. FC 32945. Received in 1955. Seed.
472013. G-18985. Hungary. Forage Crops Research Branch, USDA, Beltsville, MD. FC 32946. Received in 1955 through G. F. Fischer, Colonia, Uruguay. Seed.
472014. G-18986. Germany, Federal Rep of. Forage Crops Research Branch, USDA, Beltsville, MD. FC 32948. Oberhaumstader, Alemania. Seed received in 1955 through G. F. Fischer, Colonia, Uruguay. Seed.
472015. G-18987. Germany, Federal Rep of. Forage Crops Research Branch, USDA, Beltsville, MD. FC 32949. Cdenvalder, Alemania. Seed received in 1955 through G. F. Fischer, Colonia, Uruguay. Seed.

472016 TO 472021. Zea mays L. (Poaceae) Field corn.

From United States. H. Z. Cross, Department of Agronomy, North Dakota State University, Fargo, North Dakota. Received through North Central Regional Plant Introduction Station, Ames, Iowa.  
Received September 1982.

472016 TO 472021-continued

472016. Ivory King. United States. Kernels white, some with pink tint, flour type. Cobs white. Primitive Cultivar. Seed.
472017. Karpation Russian. United States. Kernels yellow, flint type. Cobs white. Primitive Cultivar. Seed.
472018. Mercer Flint. United States. Kernels yellow, flint type. Cobs white. Primitive Cultivar. Seed.
472019. Pima White. United States. Kernels white, some with pink tint, flour type. Cobs white. Primitive Cultivar. Seed.
472020. Prides of the Plains. United States. Kernels white, flour type. Cobs white. Primitive Cultivar. Seed.
472021. Turtle Mountain White. United States. Kernels white, some with pink tint, flint type. Cobs white. Primitive Cultivar. Seed.

472022 TO 472023. *Zea mays* L. (Poaceae) Sweet corn.

From United States. H. Z. Cross, Department of Agronomy, North Dakota State University, Fargo, North Dakota. Received through North Central Regional Plant Introduction Station, Ames, Iowa.  
Received September 1982.

472022. Hubbard Sweet. United States. Kernels yellow. Cobs white. Primitive Cultivar. Seed.
472023. Pickanninny Blue D-66. United States. Mixture of sweet and flint types but mostly blue sweet. Kernels mixed blue, red, white and mottled. Cobs white. Primitive Cultivar. Seed.

472024 TO 472028. *Triticum aestivum* L. (Poaceae) Common wheat.

From Egypt. F. H. Abdalla, Department of Agronomy, University of Assiut, Assiut. Received through PL 480 Project, EG-ARS-77.  
Received October 1982.

472024. Inia CC2. Salt tolerant. Cultivated. Seed.
472025. L-1578-10818. Salt tolerant. Cultivated. Seed.
472026. Sakha 3. Salt tolerant. Cultivated. Seed.
472027. Sakha 8. Salt tolerant. Cultivated. Seed.

472024 TO 472028-continued

472028. Tobari. Salt tolerant. Cultivated. Seed.

472029 TO 472118. Zea mays L. (Poaceae) Field corn.

From Paraguay. Instituto Agronomico Nacional de Caacupe, Caacupe.  
Received through IBPGR/FAO, Rome and IICA, Asuncion,  
Paraguay.

Received April 1982.

472029. Concepcion 4. Loreto, Concepcion. Lat. 23 deg. S, Long. 57 deg. W. 110M. Cultivated. Seed.
472030. Concepcion 6. Loreto, Concepcion. Lat. 23 deg. S, Long. 57 deg. W. 110M. Cultivated. Seed.
472031. Concepcion 8. Horqueta, Concepcion. Lat. 23 deg. S, Long. 57 deg. W. 120M. Cultivated. Seed.
472032. Concepcion 9. Paraguay. Horqueta, Concepcion. Lat. 23 deg. S, Long. 57 deg. W. 120M. Cultivated. Seed.
472033. Concepcion 10. Paraguay. Horqueta, Concepcion. Lat. 23 deg. S, Long. 57 deg. W. 120M. Cultivated. Seed.
472034. Concepcion 11. Paraguay. Horqueta, Concepcion. Lat. 23 deg. S, Long. 57 deg. W. 90M. Cultivated. Seed.
472035. Concepcion 12. Paraguay. Horqueta, Concepcion. Lat. 23 deg. S, Long. 57 deg. W. 90M. Cultivated. Seed.
472036. Concepcion 14. Paraguay. Horqueta, Concepcion. Lat. 23 deg. S, Long. 57 deg. W. 120M. Cultivated. Seed.
472037. Concepcion 15. Paraguay. Horqueta, Concepcion. Lat. 23 deg. S, Long. 57 deg. W. 120M. Cultivated. Seed.
472038. Concepcion 16. Paraguay. Horqueta, Concepcion. Lat. 23 deg. S, Long. 57 deg. W. 120M. Cultivated. Seed.
472039. Concepcion 17. Paraguay. Horqueta, Concepcion. Lat. 23 deg. S, Long. 57 deg. W. 120M. Cultivated. Seed.
472040. San Pedro 2. Paraguay. San Pedro. Lat. 24 deg. S, Long. 57 deg. W. 85M. Cultivated. Seed.
472041. San Pedro 4. Paraguay. Elizardo Aquino, San Pedro. Lat. 24 deg. S, Long. 57 deg. W. 100M. Cultivated. Seed.
472042. San Pedro 7. Paraguay. Elizardo Aquino, San Pedro. Lat. 24 deg. S, Long. 57 deg. W. 100M. Cultivated. Seed.

472029 TO 472118-continued

472043. Guaira 3. Paraguay. Mauricio Jose Troche, Guaira. Lat. 26 deg. S, Long. 56 deg. W. 165M. Cultivated. Seed.
472044. Guaire 4. Paraguay. Numi, Guaira. Lat. 26 deg. S, Long. 56 deg. W. 140M. Cultivated. Seed.
472045. Guaire 6. Paraguay. Numi, Guaira. Lat. 24 deg. S, Long. 56 deg. W. 140M. Cultivated. Seed.
472046. Caaguazu 1. Paraguay. Yhu, Caaguazu. Lat. 25 deg. S, Long. 56 deg. W. 300M. Cultivated. Seed.
472047. Caaguazu 6. Paraguay. Yhu, Caaguazu. Lat. 25 deg. S, Long. 56 deg. W. 300M. Cultivated. Seed.
472048. Caaguazu 7. Paraguay. San Joaquin, Caaguazu. Lat. 25 deg. S, Long. 56 deg. W. 335M. Cultivated. Seed.
472049. Caaguazu 11. Paraguay. San Joaquin, Caaguazu. Lat. 25 deg. S, Long. 56 deg. W. 350M. Cultivated. Seed.
472050. Caaguazu 16. Paraguay. Juan M. Frutos, Caaguazu. Lat. 25 deg. S, Long. 56 deg. W. 280M. Cultivated. Seed.
472051. Caaguazu 18. Paraguay. Juan M. Frutos, Caaguazu. Lat. 25 deg. S, Long. 56 deg. W. 260M. Cultivated. Seed.
472052. Caaguazu 20. Paraguay. Juan M. Frutos, Caaguazu. Lat. 25 deg. S, Long. 56 deg. W. 280M. Cultivated. Seed.
472053. Caaguazu 28. Paraguay. Tres Palmas, Caaguazu. Lat. 25 deg. S, Long. 56 deg. W. 220M. Cultivated. Seed.
472054. Caaguazu 29. Paraguay. Tres Palmas, Caaguazu. Lat. 25 deg. S, Long. 56 deg. W. 220M. Cultivated. Seed.
472055. Caazapa 1. Paraguay. Abai, Caazapa. Lat. 26 deg. S, Long. 56 deg. W. 150M. Cultivated. Seed.
472056. Caazapa 5. Paraguay. Abai, Caazapa. Lat. 26 deg. S, Long. 56 deg. W. 300M. Cultivated. Seed.
472057. Caazapa 8. Paraguay. Yuty, Caazapa. Lat. 27 deg. S, Long. 56 deg. W. 140M. Cultivated. Seed.
472058. Caazapa 9. Paraguay. Yuty, Caazapa. Lat. 27 deg. S, Long. 56 deg. W. 130M. Cultivated. Seed.
472059. Caazapa 10. Paraguay. Yuty, Caazapa. Lat. 27 deg. S, Long. 56 deg. W. 130M. Cultivated. Seed.
472060. Caazapa 12. Paraguay. Yuty, Caazapa. Lat. 27 deg. S,

472029 TO 472118-continued

- Long. 56 deg. W. 130M. Cultivated. Seed.
472061. Caazapa 13. Paraguay. Yuty, Caazapa. Lat. 27 deg. S, Long. 56 deg. W. 130M. Cultivated. Seed.
472062. Caazapa 14. Paraguay. Moises Bertoni, Caazapa. Lat. 26 deg. S, Long. 56 deg. W. 150M. Cultivated. Seed.
472063. Caazapa 15. Paraguay. Caazapa, Caazapa. Lat. 26 deg. S, Long. 56 deg. W. 150M. Cultivated. Seed.
472064. Caazapa 16. Paraguay. Caazapa, Caazapa. Lat. 26 deg. S, Long. 56 deg. W. 150M. Cultivated. Seed.
472065. Caazapa 17. Paraguay. Boqueron, Caazapa. Lat. 26 deg. S, Long. 56 deg. W. 100M. Cultivated. Seed.
472066. Itapua 5. Paraguay. San Pedro del Parana, Itapua. Lat. 27 deg. S, Long. 56 deg. W. 150M. Cultivated. Seed.
472067. Itapua 9. Paraguay. San Pedro del Parana, Itapua. Lat. 27 deg. S, Long. 56 deg. W. 120M. Cultivated. Seed.
472068. Itapua 10. Paraguay. San Pedro del Parana, Itapua. Lat. 27 deg. S, Long. 56 deg. W. 120M. Cultivated. Seed.
472069. Itapua 18. Paraguay. San Pedro del Parana, Itapua. Lat. 27 deg. S, Long. 56 deg. W. 170M. Cultivated. Seed.
472070. Itapua 19. Paraguay. San Pedro del Parana, Itapua. Lat. 27 deg. S, Long. 56 deg. W. 170M. Cultivated. Seed.
472071. Itapua 21. Paraguay. San Pedro del Parana, Itapua. Lat. 27 deg. S, Long. 56 deg. W. 145M. Cultivated. Seed.
472072. Itapua 24. Paraguay. San Pedro del Parana, Itapua. Lat. 27 deg. S, Long. 56 deg. W. 155M. Cultivated. Seed.
472073. Itapua 25. Paraguay. San Pedro del Parana, Itapua. Lat. 27 deg. S, Long. 56 deg. W. 155M. Cultivated. Seed.
472074. Paraguari 3. Paraguay. Quyquyho, Paraguari. Lat. 26 deg. S, Long. 57 deg. W. 140M. Cultivated. Seed.
472075. Paraguari 4. Paraguay. Quyquyho, Paraguari. Lat. 26 deg. S, Long. 57 deg. W. 140M. Cultivated. Seed.
472076. Paraguari 5. Paraguay. Quyquyho, Paraguari. Lat. 26 deg. S, Long. 57 deg. W. 140M. Cultivated. Seed.
472077. Paraguari 7. Paraguay. Quyquyho, Paraguari. Lat. 26 deg. S, Long. 57 deg. W. 150M. Cultivated. Seed.

472029 TO 472118-continued

472078. Paraguari 8. Paraguay. Quyquyho, Paraguari. Lat. 26 deg. S, Long. 57 deg. W. 150M. Cultivated. Seed.
472079. Paraguari 10. Paraguay. Ybycui, Paraguari. Lat. 26 deg. S, Long. 57 deg. W. 120M. Cultivated. Seed.
472080. Paraguari 11. Paraguay. Ybycui, Paraguari. Lat. 26 deg. S, Long. 57 deg. W. 120M. Cultivated. Seed.
472081. Paraguari 15. Paraguay. Mbuyapey, Paraguari. Lat. 26 deg. S, Long. 57 deg. W. 140M. Cultivated. Seed.
472082. Alto Parana 1. Paraguay. Acaray-mi, Alto Parana. Lat. 25 deg. S, Long. 55 deg. W. 190M. Cultivated. Seed.
472083. Alto Parana 2. Paraguay. Acaray-mi, Alto Parana. Lat. 25 deg. S, Long. 55 deg. W. 190M. Cultivated. Seed.
472084. Alto Parana 5. Paraguay. Acaray-mi, Alto Parana. Lat. 25 deg. S, Long. 55 deg. W. 190M. Cultivated. Seed.
472085. Alto Parana 10. Paraguay. Itaquyry, Alto Parana. Lat. 25 deg. S, Long. 55 deg. W. 200M. Cultivated. Seed.
472086. Alto Parana 12. Paraguay. Itaquyry, Alto Parana. Lat. 25 deg. S, Long. 55 deg. W. 180M. Cultivated. Seed.
472087. Alto Parana 16. Paraguay. Itaquyry, Alto Parana. Lat. 25 deg. S, Long. 55 deg. W. 190M. Cultivated. Seed.
472088. Alto Parana 18. Paraguay. Paranambu, Alto Parana. Lat. 26 deg. S, Long. 55 deg. W. 160M. Cultivated. Seed.
472089. Alto Parana 20. Paraguay. Paranambu, Alto Parana. Lat. 26 deg. S, Long. 55 deg. W. 190M. Cultivated. Seed.
472090. Alto Parana 22. Paraguay. Domingo Martinez de Irala, Alto Parana. Lat. 26 deg. S, Long. 55 deg. W. 270M. Cultivated. Seed.
472091. Neembucu 5. Paraguay. Villalbin, Neembucu. Lat. 27 deg. S, Long. 58 deg. W. 8M. Cultivated. Seed.
472092. Amambay 6. Paraguay. Capitan Bado, Amambay. Lat. 23 deg. S, Long. 56 deg. W. 450M. Cultivated. Seed.
472093. Amambay 12. Paraguay. Capitan Bado, Amambay. Lat. 23 deg. S, Long. 56 deg. W. 250M. Cultivated. Seed.
472094. Amambay 21. Paraguay. Yby Pyte, Amambay. Lat. 22 deg. S, Long. 56 deg. W. 270M. Cultivated. Seed.

472029 TO 472118-continued

472095. Amambay 22. Paraguay. Colonia Tayi, Amambay. Lat. 22 deg. S, Long. 56 deg. W. 270M. Cultivated. Seed.
472096. Amambay 23. Paraguay. Colonia Tayi, Amambay. Lat. 22 deg. S, Long. 56 deg. W. 300M. Cultivated. Seed.
472097. Amambay 28. Paraguay. Ndy Vaa, Amambay. Lat. 22 deg. S, Long. 56 deg. W. 265M. Cultivated. Seed.
472098. Amambay 29. Paraguay. Ndy Vaa, Amambay. Lat. 22 deg. S, Long. 56 deg. W. 265M. Cultivated. Seed.
472099. Canendiyu 2. Paraguay. Colonia Ybycui, Canendiyu. Lat. 24 deg. S, Long. 55 deg. W. 390M. Cultivated. Seed.
472100. Canendiyu 3. Paraguay. Colonia Ybycui, Canendiyu. Lat. 24 deg. S, Long. 55 deg. W. 390M. Cultivated. Seed.
472101. Canendiyu 5. Paraguay. Colonia Ybycui, Canendiyu. Lat. 24 deg. S, Long. 55 deg. W. 390M. Cultivated. Seed.
472102. Canendiyu 14. Paraguay. Ygatimi, Canendiyu. Lat. 24 deg. S, Long. 56 deg. W. 190M. Cultivated. Seed.
472103. Canendiyu 18. Paraguay. Curuguaty, Canendiyu. Lat. 24 deg. S, Long. 56 deg. W. 150M. Cultivated. Seed.
472104. Canendiyu 21. Paraguay. Curuguaty, Canendiyu. Lat. 24 deg. S, Long. 56 deg. W. 150M. Cultivated. Seed.
472105. Canendiyu 24. Paraguay. Laurel, Canendiyu. Lat. 25 deg. S, Long. 55 deg. W. 235M. Cultivated. Seed.
472106. Canendiyu 25. Paraguay. Laurel, Canendiyu. Lat. 25 deg. S, Long. 55 deg. W. 225M. Cultivated. Seed.
472107. Boqueron 11. Paraguay. Neuland, Boqueron. Lat. 22 deg. S, Long. 60 deg. W. 80M. Cultivated. Seed.
472108. Amarillo Dentado I. Paraguay. Racial composite sample. Landrace. Seed.
472109. Amarillo Duro I. Paraguay. Racial composite sample. Landrace. Seed.
472110. Avati Guapy. Paraguay. Racial composite sample. Landrace. Seed.
472111. Avati Mita I. Paraguay. Racial composite sample. Landrace. Seed.
472112. Avati Moroti I. Paraguay. Racial composite sample.



472029 TO 472118-continued  
Landrace. Seed.

472113. Avati TI. Paraguay. Racial composite sample. Landrace. Seed.

472114. Dentado Blanco I. Paraguay. Racial composite sample. Landrace. Seed.

472115. Dentado Blanco I (recombinado). Paraguay. Racial composite sample. Landrace. Seed.

472116. Pichinga Aristado I. Paraguay. Racial composite sample. Landrace. Seed.

472117. Pichinga Redondo I. Paraguay. Racial composite sample. Landrace. Seed.

472118. Tupi Moroti I. Paraguay. Racial composite sample. Landrace. Seed.

472119 TO 472636. *Lens culinaris* Medik. (Fabaceae) Lentil.

From India. Regional Pulse Improvement Project, Agency for International Development & U.S. Dept. of Agriculture, New Delhi.

Received October 1980.

472119. 33-069-00001. India. Uttar Pradesh. Seed.

472120. 33-069-00002. India. Uttar Pradesh. Seed.

472121. 33-069-00003. India. Uttar Pradesh. Seed.

472122. 33-069-00004. India. Uttar Pradesh. Seed.

472123. 33-069-00005. India. Uttar Pradesh. Seed.

472124. 33-069-00006. India. Uttar Pradesh. Seed.

472125. 33-069-00007. India. Uttar Pradesh. Seed.

472126. 33-069-00008. India. Uttar Pradesh. Seed.

472127. 33-069-00009. India. Uttar Pradesh. Seed.

472128. 33-069-00010. India. Uttar Pradesh. Seed.

472129. 33-069-00010. India. Uttar Pradesh. Seed.

472130. 33-069-00011. India. Uttar Pradesh. Seed.

472131. 33-069-00012. India. Bihar. Seed.

472119 TO 472636-continued

472132. 33-069-00013. India. Bihar. Seed.  
472133. 33-069-00014. India. Bihar. Seed.  
472134. 33-069-00015. India. Bihar. Seed.  
472135. 33-069-00016. India. Bihar. Seed.  
472136. 33-069-00018. India. Bihar. Seed.  
472137. 33-069-00019. India. Bihar. Seed.  
472138. 33-069-00020. India. Bihar. Seed.  
472139. 33-069-00021. India. Bihar. Seed.  
472140. 33-069-00023. India. Bihar. Seed.  
472141. 33-069-00024. India. Bihar. Seed.  
472142. 33-069-00025. India. Bihar. Seed.  
472143. 33-069-00026. India. Bihar. Seed.  
472144. 33-069-00027. India. Bihar. Seed.  
472145. 33-069-00028. India. Bihar. Seed.  
472146. 33-069-00029. India. Bihar. Seed.  
472147. 33-069-00030. India. Bihar. Seed.  
472148. 33-069-00031. India. Bihar. Seed.  
472149. 33-069-00032. India. Bihar. Seed.  
472150. 33-069-00033. India. Bihar. Seed.  
472151. 33-069-00034. India. Bihar. Seed.  
472152. 33-069-00035. India. Bihar. Seed.  
472153. 33-069-00039. India. Bihar. Seed.  
472154. 33-069-00041. India. Bihar. Seed.  
472155. 33-069-00042. India. Bihar. Seed.  
472156. 33-069-00043. India. Bihar. Seed.  
472157. 33-069-00044. India. Bihar. Seed.

472119 TO 472636-continued

472158. 33-069-00046. India. Bihar. Seed.  
472159. 33-069-00047. India. Bihar. Seed.  
472160. 33-069-00048. India. Bihar. Seed.  
472161. 33-069-00049. India. Bihar. Seed.  
472162. 33-069-00051. India. Bihar. Seed.  
472163. 33-069-00052. India. Bihar. Seed.  
472164. 33-069-00053. India. Bihar. Seed.  
472165. 33-069-00054. India. Bihar. Seed.  
472166. 33-069-00055. India. Bihar. Seed.  
472167. 33-069-00056. India. Bihar. Seed.  
472168. 33-069-00057. India. Bihar. Seed.  
472169. 33-069-00058. India. Bihar. Seed.  
472170. 33-069-00059. India. Bihar. Seed.  
472171. 33-069-00060. India. Bihar. Seed.  
472172. 33-069-00061. India. Bihar. Seed.  
472173. 33-069-00062. India. Bihar. Seed.  
472174. 33-069-00064. India. Bihar. Seed.  
472175. 33-069-00066. India. Bihar. Seed.  
472176. 33-069-00068. India. Bihar. Seed.  
472177. 33-069-00069. India. Bihar. Seed.  
472178. 33-069-00070. India. Bihar. Seed.  
472179. 33-069-00071. India. Bihar. Seed.  
472180. 33-069-00072. India. Bihar. Seed.  
472181. 33-069-00073. India. Bihar. Seed.  
472182. 33-069-00074. India. Bihar. Seed.  
472183. 33-069-00075. India. Bihar. Seed.

**472119 TO 472636-continued**

472184. 33-069-00076. India. Bihar. Seed.  
472185. 33-069-00077. India. Bihar. Seed.  
472186. 33-069-00078. India. Bihar. Seed.  
472187. 33-069-00079. India. Bihar. Seed.  
472188. 33-069-00080. India. Bihar. Seed.  
472189. 33-069-00081. India. Bihar. Seed.  
472190. 33-069-00082. India. Bihar. Seed.  
472191. 33-069-00083. India. Bihar. Seed.  
472192. 33-069-00085. India. Bihar. Seed.  
472193. 33-069-00086. India. Bihar. Seed.  
472194. 33-069-00088. India. New Delhi. IARI. NP-1. Seed.  
472195. 33-069-00089. India. New Delhi. IARI. NP-3. Seed.  
472196. 33-069-00090. India. New Delhi. IARI. NP-4. Seed.  
472197. 33-069-00092. India. New Delhi. IARI. NP-7. Seed.  
472198. 33-069-00093. India. New Delhi. IARI. NP-8. Seed.  
472199. 33-069-00094. India. New Delhi. IARI. NP-9. Seed.  
472200. 33-069-00095. India. New Delhi. IARI. NP-10. Seed.  
472201. 33-069-00096. India. New Delhi. IARI. NP-11. Seed.  
472202. 33-069-00097. India. New Delhi. IARI. NP-12. Seed.  
472203. 33-069-00097. India. New Delhi. IARI. NP-12. Seed.  
472204. 33-069-00098. India. New Delhi. IARI. NP-13. Seed.  
472205. 33-069-00099. India. New Delhi. IARI. NP-14. Seed.  
472206. 33-069-00100. India. New Delhi. IARI. NP-15. Seed.  
472207. 33-069-00101. India. New Delhi. IARI. NP-16. Seed.  
472208. 33-069-00102. India. New Delhi. IARI. NP-17. Seed.  
472209. 33-069-00103. India. New Delhi. IARI. NP-18. Seed.

472119 TO 472636-continued

472210. 33-069-00104. India. New Delhi. IARI. NP-19. Seed.  
472211. 33-069-00106. India. New Delhi. IARI. NP-21. Seed.  
472212. 33-069-00108. India. New Delhi. IARI. NP-23. Seed.  
472213. 33-069-00111. India. New Delhi. IARI. NP-27. Seed.  
472214. 33-069-00113. India. New Delhi. IARI. NP-29. Seed.  
472215. 33-069-00114. India. New Delhi. IARI. NP-30. Seed.  
472216. 33-069-00115. India. New Delhi. IARI. NP-31. Seed.  
472217. 33-069-00116. India. New Delhi. IARI. NP-32. Seed.  
472218. 33-069-00117. India. New Delhi. IARI. NP-33. Seed.  
472219. 33-069-00118. India. New Delhi. IARI. NP-34. Seed.  
472220. 33-069-00119. India. New Delhi. IARI. NP-36. Seed.  
472221. 33-069-00120. India. New Delhi. IARI. NP-37. Seed.  
472222. 33-069-00121. India. New Delhi. IARI. NP-38. Seed.  
472223. 33-069-00122. India. New Delhi. IARI. NP-39. Seed.  
472224. 33-069-00123. India. New Delhi. IARI. NP-40. Seed.  
472225. 33-069-00124. India. New Delhi. IARI. NP-42. Seed.  
472226. 33-069-00127. India. New Delhi. IARI. NP-45. Seed.  
472227. 33-069-00128. India. New Delhi. IARI. NP-46. Seed.  
472228. 33-069-00129. India. New Delhi. IARI. NP-47. Seed.  
472229. 33-069-00130. India. New Delhi. IARI. NP-48. Seed.  
472230. 33-069-00131. India. New Delhi. IARI. NP-50. Seed.  
472231. 33-069-00137. India. New Delhi. IARI. NP-57. Seed.  
472232. 33-069-00138. India. New Delhi. IARI. NP-58. Seed.  
472233. 33-069-00140. India. New Delhi. IARI. NP-60. Seed.  
472234. 33-069-00141. India. New Delhi. IARI. NP-62. Seed.  
472235. 33-069-00142. India. New Delhi. IARI. NP-63. Seed.

472119 TO 472636-continued

472236. 33-069-00145. India. New Delhi. IARI. I-23-5. Seed.
472237. 33-069-00149. India. New Delhi. IARI. III-81-59. Seed.
472238. 33-069-00150. India. New Delhi. IARI. III-86. Seed.
472239. 33-069-00153. India. New Delhi. IARI. IV-24. Seed.
472240. 33-069-00154. India. New Delhi. IARI. IV-92-Pusa. Seed.
472241. 33-069-00156. India. New Delhi. IARI. VB-1-100-1. Seed.
472242. 33-069-00158. India. New Delhi. IARI. VII-A-3-83-1. Seed.
472243. 33-069-00065. India. Bihar. Seed.
472244. 33-069-00169. India. New Delhi. IARI. BR-20. Seed.
472245. 33-069-00171. India. New Delhi. IARI. BR-37. Seed.
472246. 33-069-00174. India. New Delhi. IARI. EC-5713. Seed.
472247. 33-069-00175. India. New Delhi. IARI. EC-14092. Seed.
472248. 33-069-00176. India. New Delhi. IARI. IV-101. Seed.
472249. 33-069-00177. India. New Delhi. IARI. Seed.
472250. 33-069-00178. India. Uttar Pradesh. Seed.
472251. 33-069-00179. India. Uttar Pradesh. Seed.
472252. 33-069-00180. India. Uttar Pradesh. Seed.
472253. 33-069-00181. India. Uttar Pradesh. Seed.
472254. 33-069-00182. India. Uttar Pradesh. Seed.
472255. 33-069-00183. India. Uttar Pradesh. Seed.
472256. 33-069-00184. India. Uttar Pradesh. Seed.
472257. 33-069-00186. India. Uttar Pradesh. Seed.
472258. 33-069-00187. India. Uttar Pradesh. Seed.
472259. 33-069-00188. India. Uttar Pradesh. Seed.
472260. 33-069-00189. India. Uttar Pradesh. Seed.
472261. 33-069-00190. India. Uttar Pradesh. Seed.

472119 TO 472636-continued

472262. 33-069-00191. India. Uttar Pradesh. Seed.  
472263. 33-069-00192. India. Uttar Pradesh. Seed.  
472264. 33-069-00193. India. Uttar Pradesh. Seed.  
472265. 33-069-00194. India. Uttar Pradesh. Seed.  
472266. 33-069-00195. India. Uttar Pradesh. Seed.  
472267. 33-069-00196. India. Uttar Pradesh. Seed.  
472268. 33-069-00197. India. Uttar Pradesh. Seed.  
472269. 33-069-00198. India. Uttar Pradesh. Seed.  
472270. 33-069-00199. India. Uttar Pradesh. Seed.  
472271. 33-069-00200. India. Uttar Pradesh. Seed.  
472272. 33-069-00201. India. Uttar Pradesh. Seed.  
472273. 33-069-00202. India. Uttar Pradesh. Seed.  
472274. 33-069-00203. India. Uttar Pradesh. Seed.  
472275. 33-069-00205. India. Uttar Pradesh. Seed.  
472276. 33-069-00206. India. Uttar Pradesh. Seed.  
472277. 33-069-00207. India. Uttar Pradesh. Seed.  
472278. 33-069-00208. India. Uttar Pradesh. Seed.  
472279. 33-069-00209. India. Uttar Pradesh. Seed.  
472280. 33-069-00210. India. Uttar Pradesh. Seed.  
472281. 33-069-00211. India. Uttar Pradesh. Seed.  
472282. 33-069-00212. India. Uttar Pradesh. Seed.  
472283. 33-069-00213. India. Uttar Pradesh. Seed.  
472284. 33-069-00214. India. Uttar Pradesh. Seed.  
472285. 33-069-00215. India. Uttar Pradesh. Seed.  
472286. 33-069-00216. India. Uttar Pradesh. Seed.  
472287. 33-069-00217. India. Uttar Pradesh. Seed.

472119 TO 472636-continued

472288. 33-069-00218. India. Uttar Pradesh. Seed.
472289. 33-069-00219. India. Bihar. Seed.
472290. 33-069-00220. India. Badaun, Bihar. Other identification  
T.36. Seed.
472291. 33-069-00221. India. Dhaka, Bihar. Seed.
472292. 33-069-00222. India. Agra, Bihar. Seed.
472293. 33-069-00223. India. Agra, Bihar. Seed.
472294. 33-069-00224. India. Meerut, Bihar. Seed.
472295. 33-069-00225. India. Barielly, Bihar. Seed.
472296. 33-069-00226. India. Central Province, Bihar. Seed.
472297. 33-069-00227. India. Hyderabad, Bihar. Seed.
472298. 33-069-00228. India. Behar, Bihar. Seed.
472299. 33-069-00229. India. Haminpur, Bihar. Seed.
472300. 33-069-00230. India. Agra, Bihar. Seed.
472301. 33-069-00231. India. Baroda, Bihar. Seed.
472302. 33-069-00232. India. Muzaffernagar, Bihar. Seed.
472303. 33-069-00233. India. Allahabad, Bihar. Seed.
472304. 33-069-00234. India. Bijnor, Bihar. Seed.
472305. 33-069-00235. India. Bulandshahar, Bihar. Seed.
472306. 33-069-00236. India. Badaun, Bihar. Seed.
472307. 33-069-00237. India. Pusa, Bihar. Seed.
472308. 33-069-00238. India. Bahriach, Bihar. Seed.
472309. 33-069-00239. India. Hamirpir, Bihar. Seed.
472310. 33-069-00240. India. Barielly, Bihar. Seed.
472311. 33-069-00241. India. Gazipur, Bihar. Seed.
472312. 33-069-00242. India. Etah, Bihar. Seed.
472313. 33-069-00243. India. Bombay, Bihar. Seed.



472119 TO 472636-continued

- 472314. 33-069-00244. India. Gazipur, Bihar. Seed.
- 472315. 33-069-00245. India. Gazipur, Bihar. Seed.
- 472316. 33-069-00246. India. Basti. Seed.
- 472317. 33-069-00247. India. Deccan(Hyd). Seed.
- 472318. 33-069-00248. India. Bijnore. Seed.
- 472319. 33-069-00249. India. Fiona. Seed.
- 472320. 33-069-00250. India. Bahrach. Seed.
- 472321. 33-069-00252. India. Saharanpur. Seed.
- 472322. 33-069-00253. India. Saharanpur. Seed.
- 472323. 33-069-00254. India. Saharanpur. Seed.
- 472324. 33-069-00255. India. Hamirpur. Seed.
- 472325. 33-069-00256. India. Bijnore. Seed.
- 472326. 33-069-00257. India. Dhaka. Seed.
- 472327. 33-069-00258. India. Badaun. Seed.
- 472328. 33-069-00259. India. Bahrach. Seed.
- 472329. 33-069-00260. India. Bijnore. Seed.
- 472330. 33-069-00261. India. Badaun. Seed.
- 472331. 33-069-00262. India. Bahrach. Seed.
- 472332. 33-069-00263. India. Badaun. Seed.
- 472333. 33-069-00264. India. Dehradun. Seed.
- 472334. 33-069-00265. India. Bijnore. Seed.
- 472335. 33-069-00266. India. Bijnore. Seed.
- 472336. 33-069-00267. India. Barilley. Seed.
- 472337. 33-069-00268. India. Barilley. Seed.
- 472338. 33-069-00269. India. Moraadabad. Seed.
- 472339. 33-069-00270. India. Bahrach. Seed.

472119 TO 472636-continued

472340. 33-069-00271. India. Mirzapur. Seed.
472341. 33-069-00272. India. Pusa. Seed.
472342. 33-069-00273. India. Pusa. Seed.
472343. 33-069-00274. India. Gwalior. Other identification 4109. Seed.
472344. 33-069-00275. India. Varanasi. Other identification 5501. Seed.
472345. 33-069-00276. India. Varanasi. Other identification 5501-1. Seed.
472346. 33-069-00277. India. Varanasi. Other identification 5501-2. Seed.
472347. 33-069-00278. India. Varanasi. Other identification 5501-3. Seed.
472348. 33-069-00279. India. Varanasi. Other identification 5501-4. Seed.
472349. 33-069-00282. India. Faizabad. Other identification 5502-2. Seed.
472350. 33-069-00283. India. Faizabad. Other identification 5502-3. Seed.
472351. 33-069-00284. India. Faizabad. Other identification 5503. Seed.
472352. 33-069-00285. India. Bombay. Other identification 5601. Seed.
472353. 33-069-00286. India. Bombay. Other identification 5602. Seed.
472354. 33-069-00287. India. Bombay. Other identification 5603. Seed.
472355. 33-069-00288. India. Bihar. Other identification 5604. Seed.
472356. 33-069-00290. India. Bihar. Other identification 5606. Seed.
472357. 33-069-00291. India. Bihar. Other identification 5607. Seed.
472358. 33-069-00292. India. Bihar. Other identification 5608.

472119 TO 472636-continued

Seed.

472359. 33-069-00293. India. Assam. Other identification 5609.  
Seed.
472360. 33-069-00294. India. Assam. Other identification 5610.  
Seed.
472361. 33-069-00295. India. Bombay. Other identification 5611.  
Seed.
472362. 33-069-00296. India. Bombay. Other identification 5612.  
Seed.
472363. 33-069-00297. India. Bengal. Other identification 5701.  
Seed.
472364. 33-069-00298. India. Bengal. Other identification 5702.  
Seed.
472365. 33-069-00299. India. Bengal. Other identification 5703.  
Seed.
472366. 33-069-00300. India. Chirgaon. Other identification 5901.  
Seed.
472367. 33-069-00301. India. Banda. Other identification 5902.  
Seed.
472368. 33-069-00302. India. Tihagarh. Other identification 5903.  
Seed.
472369. 33-069-00303. India. Ballia. Other identification 6001.  
Seed.
472370. 33-069-00304. India. Jabalpur. Other identification 6101.  
Seed.
472371. 33-069-00305. India. Ijalpuri. Other identification 6102.  
Seed.
472372. 33-069-00306. India. Ijalpuri. Other identification 6103.  
Seed.
472373. 33-069-00307. India. Kanpur. Other identification 6201.  
Seed.
472374. 33-069-00308. India. Granipuri. Other identification  
6302. Seed.
472375. 33-069-00309. India. Jalanon. Other identification 6303.  
Seed.

472119 TO 472636-continued

472376. 33-069-00310. India. Barabanki. Other identification 6401. Seed.
472377. 33-069-00311. India. Aligarh. Other identification 6402. Seed.
472378. 33-069-00312. India. Allhabad. Other identification 6403. Seed.
472379. 33-069-00313. India. Rai Barielly. Other identification 6404. Seed.
472380. 33-069-00314. India. Meerut. Other identification 6405. Seed.
472381. 33-069-00315. India. Azamgarh. Other identification 6406. Seed.
472382. 33-069-00316. India. Gorakhpur. Other identification 6407. Seed.
472383. 33-069-00317. India. Deoria. Other identification 6408. Seed.
472384. 33-069-00318. India. Deoria. Other identification 6409. Seed.
472385. 33-069-00319. India. Bahrich. Other identification 6410. Seed.
472386. 33-069-00320. India. Bahrich. Other identification 6411. Seed.
472387. 33-069-00321. India. Pratapgarh. Other identification 6412. Seed.
472388. 33-069-00322. India. Pratapgarh. Other identification 6413. Seed.
472389. 33-069-00323. India. Pratapgarh. Other identification 6414. Seed.
472390. 33-069-00324. India. Pratapgarh. Other identification 6415. Seed.
472391. 33-069-00325. India. Mathura. Other identification 6416. Seed.
472392. 33-069-00326. India. Grampani. Other identification 6417. Seed.
472393. 33-069-00327. India. Bhuwali. Other identification 6418.

472119 TO 472636-continued  
Seed.

472394. 33-069-00328. India. Kanpur. Other identification 6419.  
Seed.
472395. 33-069-00329. India. Nainital. Other identification 6420.  
Seed.
472396. 33-069-00330. India. Nainital. Other identification 6421.  
Seed.
472397. 33-069-00331. India. Pratapgarh. Other identification  
6422. Seed.
472398. 33-069-00332. India. Faizabad. Other identification 6423.  
Seed.
472399. 33-069-00333. India. Meerut. Other identification 6501.  
Seed.
472400. 33-069-00334. India. Mathura. Other identification 6502.  
Seed.
472401. 33-069-00335. India. Aligarh. Other identification 6503.  
Seed.
472402. 33-069-00336. India. Agra. Other identification 6504.  
Seed.
472403. 33-069-00337. India. Mathura. Other identification 6505.  
Seed.
472404. 33-069-00338. India. Agra Local. Other identification  
6601. Seed.
472405. 33-069-00339. India. New Delhi. IARI. N-P-HYB-1. Seed.
472406. 33-069-00340. India. New Delhi. IARI. NP-1. Seed.
472407. 33-069-00341. India. New Delhi. IARI. NP-2. Seed.
472408. 33-069-00342. India. New Delhi. IARI. NP-3. Seed.
472409. 33-069-00343. India. New Delhi. IARI. NP-4. Seed.
472410. 33-069-00344. India. New Delhi. IARI. NP-5. Seed.
472411. 33-069-00345. India. New Delhi. IARI. NP-6. Seed.
472412. 33-069-00346. India. New Delhi. IARI. NP-7. Seed.
472413. 33-069-00347. India. New Delhi. IARI. NP-8. Seed.

472119 TO 472636-continued

472414. 33-069-00348. India. New Delhi. IARI. NP-9. Seed.  
472415. 33-069-00349. India. New Delhi. IARI. NP-10. Seed.  
472416. 33-069-00350. India. New Delhi. IARI. NP-11. Seed.  
472417. 33-069-00351. India. New Delhi. IARI. NP-12. Seed.  
472418. 33-069-00352. India. New Delhi. IARI. NP-13. Seed.  
472419. 33-069-00353. India. New Delhi. IARI. NP-14. Seed.  
472420. 33-069-00354. India. New Delhi. IARI. NP-15. Seed.  
472421. 33-069-00355. India. New Delhi. IARI. NP-16. Seed.  
472422. 33-069-00356. India. New Delhi. IARI. NP-17. Seed.  
472423. 33-069-00357. India. New Delhi. IARI. NP-18. Seed.  
472424. 33-069-00358. India. New Delhi. IARI. NP-19. Seed.  
472425. 33-069-00360. India. New Delhi. IARI. NP-21. Seed.  
472426. 33-069-00361. India. New Delhi. IARI. NP-22. Seed.  
472427. 33-069-00362. India. New Delhi. IARI. NP-23. Seed.  
472428. 33-069-00363. India. New Delhi. IARI. NP-24. Seed.  
472429. 33-069-00364. India. New Delhi. IARI. NP-25. Seed.  
472430. 33-069-00365. India. New Delhi. IARI. NP-26. Seed.  
472431. 33-069-00366. India. New Delhi. IARI. NP-27. Seed.  
472432. 33-069-00367. India. New Delhi. IARI. NP-28. Seed.  
472433. 33-069-00368. India. New Delhi. IARI. NP-29. Seed.  
472434. 33-069-00369. India. New Delhi. IARI. NP-30. Seed.  
472435. 33-069-00370. India. New Delhi. IARI. NP-31. Seed.  
472436. 33-069-00371. India. New Delhi. IARI. NP-32. Seed.  
472437. 33-069-00372. India. New Delhi. IARI. NP-33. Seed.  
472438. 33-069-00373. India. New Delhi. IARI. NP-34. Seed.  
472439. 33-069-00374. India. New Delhi. IARI. NP-35. Seed.

472119 TO 472636-continued

472440. 33-069-00375. India. New Delhi. IARI. NP-36. Seed.  
472441. 33-069-00376. India. New Delhi. IARI. NP-37. Seed.  
472442. 33-069-00377. India. New Delhi. IARI. NP-38. Seed.  
472443. 33-069-00378. India. New Delhi. IARI. NP-39. Seed.  
472444. 33-069-00379. India. New Delhi. IARI. NP-40. Seed.  
472445. 33-069-00380. India. New Delhi. IARI. NP-41. Seed.  
472446. 33-069-00381. India. New Delhi. IARI. NP-42. Seed.  
472447. 33-069-00382. India. New Delhi. IARI. NP-43. Seed.  
472448. 33-069-00383. India. New Delhi. IARI. NP-44. Seed.  
472449. 33-069-00385. India. New Delhi. IARI. NP-46. Seed.  
472450. 33-069-00386. India. New Delhi. IARI. NP-47. Seed.  
472451. 33-069-00387. India. New Delhi. IARI. NP-48. Seed.  
472452. 33-069-00388. India. New Delhi. IARI. NP-50. Seed.  
472453. 33-069-00389. India. New Delhi. IARI. NP-51. Seed.  
472454. 33-069-00390. India. New Delhi. IARI. NP-52. Seed.  
472455. 33-069-00391. India. New Delhi. IARI. NP-53. Seed.  
472456. 33-069-00392. India. New Delhi. IARI. NP-54. Seed.  
472457. 33-069-00393. India. New Delhi. IARI. NP-55. Seed.  
472458. 33-069-00394. India. New Delhi. IARI. NP-56. Seed.  
472459. 33-069-00395. India. New Delhi. IARI. NP-61. Seed.  
472460. 33-069-00396. India. New Delhi. IARI. NP-58. Seed.  
472461. 33-069-00399. India. New Delhi. IARI. NP-57. Seed.  
472462. 33-069-00400. India. New Delhi. IARI. NP-62. Seed.  
472463. 33-069-00401. India. New Delhi. IARI. NP-63. Seed.  
472464. 33-069-00402. India. New Delhi. IARI. NP-64. Seed.  
472465. 33-069-00403. India. New Delhi. IARI. NP-65. Seed.

472119 TO 472636-continued

472466. 33-069-00404. India. New Delhi. IARI. NP-66. Seed.  
472467. 33-069-00406. India. New Delhi. IARI. I-32-5. Seed.  
472468. 33-069-00407. India. New Delhi. IARI. I-232-27. Seed.  
472469. 33-069-00408. India. New Delhi. IARI. I-257-27. Seed.  
472470. 33-069-00409. India. New Delhi. IARI. II-46-58. Seed.  
472471. 33-069-00410. India. New Delhi. IARI. II-86. Seed.  
472472. 33-069-00411. India. New Delhi. IARI. II-123-75. Seed.  
472473. 33-069-00412. India. New Delhi. IARI. II-123-78. Seed.  
472474. 33-069-00413. India. New Delhi. IARI. II-157. Seed.  
472475. 33-069-00414. India. New Delhi. IARI. III-58-86. Seed.  
472476. 33-069-00415. India. New Delhi. IARI. III-81-59. Seed.  
472477. 33-069-00416. India. New Delhi. IARI. III-110-5. Seed.  
472478. 33-069-00417. India. New Delhi. IARI. III-110252. Seed.  
472479. 33-069-00418. India. New Delhi. IARI. IV-9. Seed.  
472480. 33-069-00419. India. New Delhi. IARI. IV-24. Seed.  
472481. 33-069-00420. India. New Delhi. IARI. IV-90. Seed.  
472482. 33-069-00421. India. New Delhi. IARI. IV-92. Seed.  
472483. 33-069-00422. India. New Delhi. IARI. IV-94. Seed.  
472484. 33-069-00423. India. New Delhi. IARI. IVB-1-43-1. Seed.  
472485. 33-069-00424. India. New Delhi. IARI. IV-101. Seed.  
472486. 33-069-00425. India. New Delhi. IARI. VB-1-100-1. Seed.  
472487. 33-069-00426. India. New Delhi. IARI. VIA-1-30-1. Seed.  
472488. 33-069-00427. India. New Delhi. IARI. VIIB-83-1. Seed.  
472489. 33-069-00428. India. New Delhi. IARI. VIIIA-1-52-1. Seed.  
472490. 33-069-00429. India. New Delhi. IARI. VIIIB-4-14-1. Seed.  
472491. 33-069-00430. India. New Delhi. IARI. A-1-1-1. Seed.



472119 TO 472636-continued

472492. 33-069-00431. India. New Delhi. IARI. B-1-14-1. Seed.  
472493. 33-069-00432. India. New Delhi. IARI. BR-20. Seed.  
472494. 33-069-00433. India. New Delhi. IARI. BR-24. Seed.  
472495. 33-069-00434. India. New Delhi. IARI. BR-25. Seed.  
472496. 33-069-00435. India. New Delhi. IARI. BR-37. Seed.  
472497. 33-069-00436. India. New Delhi. IARI. E-2. Seed.  
472498. 33-069-00437. India. New Delhi. IARI. EC-5713. Seed.  
472499. 33-069-00438. India. New Delhi. IARI. EC-14092. Seed.  
472500. 33-069-00439. India. Seed.  
472501. 33-069-00441. India. Seed.  
472502. 33-069-00451. India. Seed.  
472503. 33-069-00452. India. Seed.  
472504. 33-069-00453. India. Seed.  
472505. 33-069-00454. India. Seed.  
472506. 33-069-00455. India. Seed.  
472507. 33-069-00456. India. Seed.  
472508. 33-069-00457. India. Seed.  
472509. 33-069-00458. India. Seed.  
472510. 33-069-00459. India. Seed.  
472511. 33-069-00460. India. Seed.  
472512. 33-000-00461. Origin unknown. Seed.  
472513. 33-000-00462. Origin unknown. Seed.  
472514. 33-000-00463. Origin unknown. Seed.  
472515. 33-000-00464. Origin unknown. Seed.  
472516. 33-000-00465. Origin unknown. Seed.  
472517. 33-000-00466. Origin unknown. Seed.

472119 TO 472636-continued

472518. 33-000-00467. Origin unknown. Seed.  
472519. 33-000-00468. Origin unknown. Seed.  
472520. 33-000-00470. Origin unknown. Seed.  
472521. 33-000-00471. Origin unknown. Seed.  
472522. 33-000-00472. Origin unknown. Seed.  
472523. 33-000-00473. Origin unknown. Seed.  
472524. 33-000-00474. Origin unknown. Seed.  
472525. 33-000-00475. Origin unknown. Seed.  
472526. 33-000-00476. Origin unknown. Seed.  
472527. 33-069-00477. India. Seed.  
472528. 33-069-00478. India. Seed.  
472529. 33-069-00479. India. Seed.  
472530. 33-069-00480. India. Seed.  
472531. 33-069-00481. India. Seed.  
472532. 33-069-00482. India. Seed.  
472533. 33-069-00483. India. Seed.  
472534. 33-069-00484. India. Seed.  
472535. 33-069-00485. India. Seed.  
472536. 33-069-00486. India. Seed.  
472537. 33-069-00487. India. Seed.  
472538. 33-069-00488. India. Seed.  
472539. 33-069-00489. India. Seed.  
472540. 33-069-00490. India. Seed.  
472541. 33-069-00491. India. Seed.  
472542. 33-069-00493. India. Seed.  
472543. 33-069-00494. India. Seed.

**472119 TO 472636-continued**

- 472544. 33-069-00495. India. Seed.
- 472545. 33-069-00496. India. Seed.
- 472546. 33-069-00497. India. Seed.
- 472547. 33-069-00498. India. Seed.
- 472548. 33-069-00499. India. Seed.
- 472549. 33-069-00500. India. Seed.
- 472550. 33-069-00501. India. Seed.
- 472551. 33-069-00502. India. Seed.
- 472552. 33-069-00503. India. Seed.
- 472553. 33-069-00504. India. Seed.
- 472554. 33-069-00505. India. Seed.
- 472555. 33-069-00506. India. Seed.
- 472556. 33-069-00508. India. Seed.
- 472557. 33-069-00509. India. Seed.
- 472558. 33-069-00510. India. Seed.
- 472559. 33-069-00511. India. Seed.
- 472560. 33-069-00512. India. Seed.
- 472561. 33-069-00513. India. Seed.
- 472562. 33-069-00514. India. Seed.
- 472563. 33-155-10120. Egypt. Seed.
- 472564. 33-085-10123. Lebanon. Seed.
- 472565. 33-071-10128. Iran. Tehran. Ministry of Agriculture.  
Karaj. Other identification 155. Seed.
- 472566. 33-071-10140. Iran. Tehran. Ministry of Agriculture.  
Dazabad, Ardabil. Other identification 385. Seed.
- 472567. 33-032-10153. Chile. Seed.
- 472568. 33-071-10154. Iran. Tehran. Ministry of Agriculture.  
Fars. Other identification 392. Seed.

472119 TO 472636-continued

472569. 33-155-10157. Egypt. Other identification Giza-9. Seed.
472570. 33-155-10165. Egypt. Seed.
472571. 33-071-10175. Iran. Hamadan. Seed.
472572. 33-071-10433. Iran. Ardebil. Seed.
472573. 33-071-10453. Iran. Tehran. Ministry of Agriculture. Karaj. Other identification 64-23(S). Seed.
472574. 33-071-10460. Iran. Tehran. Ministry of Agriculture. Sevand-Fars. Other identification 64-57. Seed.
472575. 33-071-10461. Iran. Tehran. Ministry of Agriculture. Ghazvin Bazar. Seed.
472576. 33-071-10467. Iran. Tehran. Ministry of Agriculture. Ghazvin Bazar. Seed.
472577. 33-071-10470. Iran. Tehran. Ministry of Agriculture. Seed.
472578. 33-071-10471. Iran. Tehran. Ministry of Agriculture. Karaj Pop. Other identification 1-65(S). Seed.
472579. 33-071-10472. Iran. Tehran. Ministry of Agriculture. Karaj Pop. Other identification 4-64(2). Seed.
472580. 33-071-10475. Iran. Tehran. Ministry of Agriculture. Shoushtar. Other identification 186-34. Seed.
472581. 33-071-10476. Iran. Tehran. Ministry of Agriculture. Shoushtar. Other identification 186-12. Seed.
472582. 33-071-10485. Iran. Seed.
472583. 33-071-10550. Iran. Tehran. Ministry of Agriculture. Isfahan. Other identification 189-52(S). Seed.
472584. 33-071-10554. Iran. Tehran. Ministry of Agriculture. Isfahan. Other identification 189-19. Seed.
472585. 33-071-10556. Iran. Tehran. Ministry of Agriculture. Isfahan. Other identification 189-45. Seed.
472586. 33-071-10558. Iran. Tehran. Ministry of Agriculture. Isfahan. Other identification 189-26(S). Seed.
472587. 33-155-10565. Egypt. Other identification 190-48. Seed.
472588. 33-155-10566. Egypt. Other identification 190-46. Seed.

472119 TO 472636-continued

472589. 33-155-10567. Egypt. Other identification 190-37. Seed.
472590. 33-085-10597. Lebanon. Other identification 191-50. Seed.
472591. 33-071-10612. Iran. Tehran. Ministry of Agriculture. Karaj. Other identification 193-55(S). Seed.
472592. 33-071-10619. Iran. Tehran. Ministry of Agriculture. Arasbaran. Other identification 194-16. Seed.
472593. 33-071-10627. Iran. Tehran. Ministry of Agriculture. Arasbaran. Other identification 194-70(S). Seed.
472594. 33-071-10629. Iran. Tehran. Ministry of Agriculture. Arasbaran. Other identification 194-81. Seed.
472595. 33-071-10632. Iran. Tehran. Ministry of Agriculture. Arasbaran. Other identification 195-84(S). Seed.
472596. 33-071-10636. Iran. Tehran. Ministry of Agriculture. Arasbaran. Other identification 196-80. Seed.
472597. 33-071-10637. Iran. Tehran. Ministry of Agriculture. Arasbaran. Other identification 196-88. Seed.
472598. 33-071-00639. Iran. Tehran. Ministry of Agriculture. Arasbaran. Other identification 196-96. Seed.
472599. 33-071-10640. Iran. Tehran. Ministry of Agriculture. Arasbaran. Other identification 196-97. Seed.
472600. 33-071-10647. Iran. Tehran. Ministry of Agriculture. Ghouchan. Other identification 204-43(S). Seed.
472601. 33-071-10660. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 197-86. Seed.
472602. 33-071-10667. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 197-43. Seed.
472603. 33-071-10697. Iran. Tehran. Ministry of Agriculture. Ghouchan. Other identification 201-46. Seed.
472604. 33-071-10741. Iran. Tehran. Ministry of Agriculture. Nishabour. Other identification 205-86. Seed.
472605. 33-071-10792. Iran. Tehran. Ministry of Agriculture. Nishabour. Other identification 206-72. Seed.
472606. 33-071-10843. Iran. Tehran. Ministry of Agriculture. Dareh Gaz. Other identification 208-52. Seed.

472119 TO 472636-continued

472607. 33-071-10858. Iran. Tehran. Ministry of Agriculture. Dareh Gaz. Other identification 208-96. Seed.
472608. 33-071-10861. Iran. Tehran. Ministry of Agriculture. Dareh Gaz. Other identification 208-16. Seed.
472609. 33-071-10892. Iran. Tehran. Ministry of Agriculture. Isfahan. Other identification 209-82. Seed.
472610. 33-071-10916. Iran. Tehran. Ministry of Agriculture. Jeroft. Other identification 210-1. Seed.
472611. 33-071-10933. Iran. Tehran. Ministry of Agriculture. Jeroft. Other identification 210-14. Seed.
472612. 33-071-10956. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 101. Seed.
472613. 33-071-10960. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 101. Seed.
472614. 33-071-10998. Iran. Tehran. Ministry of Agriculture. Shahreza. Seed.
472615. 33-079-11000. Jordan. Seed.
472616. 33-071-11019. Iran. Tehran. Ministry of Agriculture. Isfahan. Other identification 405 PRCD. Seed.
472617. 33-071-11041. Iran. Tehran. Ministry of Agriculture. Isfahan. Other identification 1203. Seed.
472618. 33-071-11042. Iran. Tehran. Ministry of Agriculture. Isfahan. Other identification 1222. Seed.
472619. 33-071-11048. Iran. Tehran. Ministry of Agriculture. Isfahan. Other identification 1228. Seed.
472620. 33-071-11053. Iran. Tehran. Ministry of Agriculture. Isfahan. Other identification 1211. Seed.
472621. 33-071-11068. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-8412. Seed.
472622. 33-071-11077. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-9218. Seed.
472623. 33-071-11084. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-8413. Seed.
472624. 33-071-11086. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-8414. Seed.

472119 TO 472636-continued

472625. 33-071-11087. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-9217. Seed.
472626. 33-071-11091. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-8419. Seed.
472627. 33-071-11092. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-9212. Seed.
472628. 33-071-11099. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-6184. Seed.
472629. 33-071-11103. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-9511. Seed.
472630. 33-071-11104. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-9312. Seed.
472631. 33-071-11106. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-6914. Seed.
472632. 33-039-11107. Cyprus. Seed.
472633. 33-071-11116. Iran. Tehran. Ministry of Agriculture. Fars. Other identification 2-44-4401. Seed.
472634. 33-071-11168. Iran. Tehran. Ministry of Agriculture. Seed.
472635. 33-071-11169. Iran. Tehran. Ministry of Agriculture. Seed.
472636. 33-071-11170. Iran. Tehran. Ministry of Agriculture. Seed.

472637 TO 472792. *Solanum acaule* Bitter (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce. Received March 1982.

472637. Hof 1509. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 702. Collected 1970. Near Pampichuela, on the way from Ledesma to Valle Grande, Jujuy Province. Wild. Seed.
472638. Hof 1571. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7013. Collected 1970. Nine km NW of Leon, Jujuy Province. 3700M. Wild. Seed.

472637 TO 472792-continued

472639. Hof 1584. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7015. Collected 1970. Molinos, Jujuy Province. 3650M. Wild. Seed.
472640. Hof 1591. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7016. Collected 1970. Abra de Chilcayos, Jujuy Province. 3800M. Wild. Seed.
472641. Hof 1607. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7022. Collected 1970. Route 9, 10km from Tres Cruces, Jujuy Province. 3550M. Wild. Seed.
472642. Hof 1614. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7024. Collected 1970. Chalguamayo, Jujuy Province. 3850M. Wild. Seed.
472643. Hof 1620. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7027. Collected 1970. Atuya, Salta Province. 4150M. Wild. Seed.
472644. Hof 1624. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7029. Collected 1970. Southeast, 12km of Pumahuasi, Jujuy Province. 3650M. Wild. Seed.
472645. Hof 1644. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7036. Collected 1970. On the way to Veta Nivel, Jujuy Province. 4300M. Wild. Seed.
472646. Hof 1658. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7040. Collected 1970. Suripugio, Jujuy Province. 3700M. Wild. Seed.
472647. Hof 1661. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7041. Collected 1970. Cajas, Jujuy Province. 400M. Wild. Seed.
472648. Hof 1685. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7052. Collected 1970. Las Doncellas, Jujuy Province. 3600M. Wild. Seed.
472649. Hof 1734. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7072. Collected 1970. On the way to Trigohuaico, Salta Province. 3640M. Wild. Seed.
472650. Hof 1692. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7094. Collected 1970. On the way to Coranzuli, near Tore, Jujuy Province. 4200M. Wild. Seed.
472651. Oka 3687. Argentina. Balcarce. INTA Estacion



472637 TO 472792-continued

- Experimental de Balcarce. BAL 718. Collected February 19, 1971. West of Santa Catalina, 12km, Jujuy Province. 4000M. Wild. Seed.
472652. Oka 3718. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7123. Collected February 19, 1971. West of Santa Catalina, San Francisco, 12km Jujuy Province. 4000M. Wild. Seed.
472653. Oka 3720. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7124. Collected February 21, 1971. East of Puesto Grande, 4km, Jujuy Province. 3700M. Wild. Seed.
472654. Oka 3722. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7125. Collected February 21, 1971. Toquero, Jujuy Province. 3700M. Wild. Seed.
472655. Oka 3784. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7158. Collected February 24, 1971. On the way to Valle Encantado, Cuesta del Obispo, Salta Province. 3500M. Wild. Seed.
472656. Oka 3878. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71105. Collected April 04, 1971. Condorhuasi, Jujuy Province. 3550M. Wild. Seed.
472657. Oka 3883. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71106. Collected April 04, 1971. Mina Silivana Luisa, Jujuy Province. 3550M. Wild. Seed.
472658. Oka 3884. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71107. Collected April 04, 1971. Mina Silivana Luisa, Jujuy Province. 3550M. Wild. Seed.
472659. Oka 3885. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71108. Collected April 04, 1971. Near La Quiaca before Santa Catalina, Jujuy Province. 3620M. Wild. Seed.
472660. Oka 3889. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71111. Collected April 05, 1971. Tafna, Jujuy Province. 3590M. Wild. Seed.
472661. Oka 3890A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71112A. Collected April 05, 1971. Tafna, Jujuy Province. 3590M. Wild. Seed.
472662. Oka 3901. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71114. Collected April 05, 1971. Tafna, Jujuy Province. 3850M. Wild. Seed.

472637 TO 472792-continued

472663. Oka 3907. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71117. Collected April 05, 1971. Toquero, Jujuy Province. 3720M. Wild. Seed.
472664. Oka 3908. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71118. Collected April 05, 1971. San Francisco, 12km west of Santa Catalina, Jujuy Province. 4080M. Wild. Seed.
472665. Oka 3909. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71119. Collected April 05, 1971. San Francisco, 12km west of Santa Catalina, Jujuy Province. 4080M. Wild. Seed.
472666. Oka 3918. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71127. Collected April 06, 1971. West of Santa Catalina, 10km, Jujuy Province. 4000M. Wild. Seed.
472667. Oka 3920. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71128. Collected April 06, 1971. West of Santa Catalina, 10km, Jujuy Province. 4000M. Wild. Seed.
472668. Oka 3921. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71129. Collected April 06, 1971. West of Santa Catalina, 10km, Jujuy Province. 4000M. Wild. Seed.
472669. Oka 3922A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71130A. Collected April 06, 1971. West of Santa Catalina, 10km, Jujuy Province. 4000M. Wild. Seed.
472670. Oka 3923. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71131. Collected April 06, 1971. West of Santa Catalina, 10km, Jujuy Province. 4000M. Wild. Seed.
472671. Oka 3927. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71135. Collected April 06, 1971. West of Santa Catalina, 10km, Jujuy Province. 4000M. Wild. Seed.
472672. Oka 3928. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71136. Collected April 06, 1971. West of Santa Catalina, 10km, Jujuy Province. 4000M. Wild. Seed.
472673. Oka 3936. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71144. Collected April 06, 1971. El Angosto, 30km west of Santa Catalina, Jujuy

472637 TO 472792-continued

- Province. 3800M. Wild. Seed.
472674. Oka 3944. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71152. Collected April 07, 1971. El Angosto, 34km west of Santa Catalina, Jujuy Province. 3700M. Wild. Seed.
472675. Oka 3968. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71171. Collected April 07, 1971. El Angosto, 34km west of Santa Catalina, Jujuy Province. 3700M. Wild. Seed.
472676. Oka 3982. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71181. Collected April 07, 1971. Oratorio, Jujuy Province. 4000M. Wild. Seed.
472677. Oka 3987. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71184. Collected April 08, 1971. Rio Guayatayoc, Rinconada, Jujuy Province. 3800M. Wild. Seed.
472678. Oka 5004. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71196. Collected April 08, 1971. Rinconada, Jujuy Province. 400M. Wild. Seed.
472679. Oka 4015. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71202. Collected April 11, 1971. Near Abra de Fundiciones, Jujuy Province. 4200M. Wild. Seed.
472680. Oka 4017. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71204. Collected April 11, 1971. Near Abra de Fundiciones, Jujuy Province. 4200M. Wild. Seed.
472681. Oka 4026. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71210. Collected April 11, 1971. Southwest of Fundiciones, 8km, Jujuy Province. 4020M. Wild. Seed.
472682. Oka 4027A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71211A. Collected April 11, 1971. Southwest of Rinconada, 8km, Jujuy Province. 4020M. Wild. Seed.
472683. Oka 4030A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71214A. Collected April 11, 1971. Salveayoc, 5km southwest of Rinconada, Jujuy Province. 4000M. Wild. Seed.
472684. Oka 4031. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71215. Collected April 1971. Salveayoc, Jujuy Province. 4000M. Wild. Seed.

472637 TO 472792-continued

472685. Oka 4043. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71224. Collected April 17, 1971. Puerta de Tomayos, 20km north of La Poma, Salta Province. 3480M. Wild. Seed.
472686. Hof 1841. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71266. Collected March 05, 1971. Near El Angosto, Jujuy Province. 3450M. Wild. Seed.
472687. Hof 1848. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71268. Collected March 05, 1971. West of Cajas, 53km, Salta Province. 3350M. Wild. Seed.
472688. Hof 1916. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71294. Collected March 10, 1971. Abra de Meson, El Meson, Salta Province. 2960M. Wild. Seed.
472689. Hof 1919. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71297. Collected March 10, 1971. Abra de Meson, 10km east of Santa Victoria, Salta Province. 2900M. Wild. Seed.
472690. Hof 1925. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71298. Collected March 10, 1971. Abra de Meson, Salta Province. 3220M. Wild. Seed.
472691. Hof 1928. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71300. Collected March 10, 1971. Laqunita, Salta Province. 3200M. Wild. Seed.
472692. Hof 1997. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71310. Collected March 17, 1971. El Chorro, Salta Province. 3090M. Wild. Seed.
472693. Hof 2031. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71320. Collected March 26, 1971. Abra de Cenoayo, Salta Province. 2800M. Wild. Seed.
472694. Hof 2039. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71323. Collected March 26, 1971. Cerro Bola, Salta Province. 3350M. Wild. Seed.
472695. Hof 2077. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71345. Collected March 28, 1971. Pampa Larga, Salta Province. 3000M. Wild. Seed.
472696. Hof 2089. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71352. Collected March 28, 1971. Abra Apacheta, Salta Province. 3490M. Wild. Seed.

472637 TO 472792-continued

472697. Hof 2090. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71353. Collected March 28, 1971. Abra Apacheta, Salta Province. 3300M. Wild. Seed.
472698. Oka 4271. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7274. Collected February 08, 1972. Sierra de Famatina, Puesto de la Cienaga Grande, La Rioja Province. 3100M. Wild. Seed.
472699. Oka 4359. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72160. Collected March 21, 1972. Piedra Rosada, Jujuy Province. 4000M. Wild. Seed.
472700. Oka 4360. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72161. Collected March 21, 1972. Piedra Rosada, Jujuy Province. 4000M. Wild. Seed.
472701. Oka 4377. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72178. Collected March 21, 1972. Huairahuasi, Jujuy Province. 3200M. Wild. Seed.
472702. Oka 4378. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72179. Collected March 22, 1972. Inticanchi, Jujuy Province. 3400M. Wild. Seed.
472703. Oka 4380. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72181. Collected March 22, 1972. Piscuno, Jujuy Province. 3100M. Wild. Seed.
472704. Oka 4383E. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72184B. Collected March 22, 1972. Piscuno, Jujuy Province. 3100M. Wild. Seed.
472705. Oka 4384A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72185A. Collected March 22, 1972. Piscuno, Jujuy Province. 3100M. Wild. Seed.
472706. Oka 4387. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72188. Collected March 22, 1972. Piscuno, Jujuy Province. 3100M. Wild. Seed.
472707. Oka 4393. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72194. Collected March 22, 1972. Piscuno, Jujuy Province. 3100M. Wild. Seed.
472708. Oka 4416. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72214. Collected March 1972. Ventura River, Jujuy Province. 3800M. Wild. Seed.
472709. Oka 4418. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72216. Collected March 24, 1972. Puesto Ventura, edge of Ventura River, Jujuy

472637 TO 472792-continued

Province. Wild. Seed.

472710. Oka 4423. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72221. Collected March 1972. El Angosto, Jujuy Province. 3880M. Wild. Seed.
472711. Oka 4429A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72227A. Collected March 1972. By the Colorada home by the Ventura River, Jujuy Province. 3900M. Wild. Seed.
472712. Oka 4447. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72242. Collected March 28, 1972. Aparzo, east of Humahuaca, Jujuy Province. 3800M. Wild. Seed.
472713. Oka 4458. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72252. Collected March 1972. Palca de Aparzo, Jujuy Province. 3800M. Wild. Seed.
472714. Oka 4459A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72253A. Collected March 1972. Palca de Aparzo, Jujuy Province. 3800M. Wild. Seed.
472715. Oka 4465. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72259. Collected March 30, 1972. Sierra de Zenta, Alto de Piedras, senda de Aparzo a Santa Cruz, Salta Prov. 4400M. Wild. Seed.
472716. Oka 4466. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72260. Collected March 31, 1972. Abra del Volcan, Salta Province. 3900M. Wild. Seed.
472717. Oka 4470. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72263. Collected March 31, 1972. Abra del Volcan, Salta Province. 3900M. Wild. Seed.
472718. Oka 4473. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72265. Collected March 21, 1972. Huairahuasi, Jujuy Province. 3200M. Wild. Seed.
472719. Oka 4474. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72266. Collected March 31, 1972. Cave on trail from Abra de Zenta a Santa Cruz, Salta Province. 3600M. Wild. Seed.
472720. Oka 4483. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72275. Collected April 02, 1972. Chiquero, Jujuy Province. 4400M. Wild. Seed.
472721. Oka 4484. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72276. Collected April 02, 1972. Chiquero, Jujuy Province. 4400M. Wild. Seed.

472637 TO 472792-continued

472722. Oka 4547. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72334. Collected April 06, 1972. Coraya, Jujuy Province. 3620M. Wild. Seed.
472723. Oka 4548. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72335. Collected April 06, 1972. Coraya, Jujuy Province. 3620M. Wild. Seed.
472724. Oka 4551. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72338. Collected April 08, 1972. Esquina Blanca, Jujuy Province. 3500M. Wild. Seed.
472725. Oka 4552. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72339. Collected April 08, 1972. Esquina Blanca, Jujuy Province. 3500M. Wild. Seed.
472726. Oka 4566. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72351. Collected April 10, 1972. North of Esquina Blanca, 12km, Jujuy Province. 3700M. Wild. Seed.
472727. Oka 4575. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72360. Collected April 11, 1972. Rodero, 5km in direction of Iruya, Jujuy Province. 3600M. Wild. Seed.
472728. Oka 4834. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7324. Collected March 21, 1973. La Poma, 9.5km south of Abra de Acay, Salta Province. 4350M. Wild. Seed.
472729. Oka 4835. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7325. Collected March 21, 1973. Negra Muerta, 10km south of Abrey Acay, Salta Province. 4300M. Wild. Seed.
472730. Oka 4838. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7328. Collected March 21, 1973. El Rodeo, Salta Province. 3900M. Wild. Seed.
472731. Oka 4861. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7351. Collected March 27, 1973. Slope from Munano, Salta Province. 3800M. Wild. Seed.
472732. Oka 4863. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7353. Collected March 28, 1973. Negra Muerta, 10km south of Abra Acay, Salta Province. 4300M. Wild. Seed.
472733. Oka 4864. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7354. Collected March 28,

472637 TO 472792-continued

1973. South of Negra Muerta, 3km, Salta Province. 4100M. Wild. Seed.
472734. Oka 4865. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7355. Collected March 28, 1973. South of Negra Muerta, 5km, Salta Province. 4000M. Wild. Seed.
472735. Oka 4924. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73108. Collected April 05, 1973. Esquina Azul, Salta Province. 3480M. Wild. Seed.
472736. Oka 5051E. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73228B. Collected 1973. San Carlos Department, Salta Province. Wild. Seed.
472737. Oka 5363. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7444. Collected March 26, 1974. Serrania to Aparzo, 8km before Ilegar a Aparzo, Jujuy Province. 4000M. Wild. Seed.
472738. Oka 5420. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7495. Collected March 28, 1974. Esquina Blanca, Jujuy Province. 3600M. Wild. Seed.
472739. Oka 5431. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74105. Collected March 29, 1974. Rincon de Cajas, 20km east of Yavi, Jujuy Province. 3900M. Wild. Seed.
472740. Oka 5434. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74107. Collected March 29, 1974. East of Abra de Lizoite, 50km, Salta Province. 3500M. Wild. Seed.
472741. Oka 5437. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74109. Collected March 29, 1974. East of Abra de Lizoite, 52km, Salta Province. 3300M. Wild. Seed.
472742. Oka 5441. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74111. Collected March 29, 1974. East of Abra de Lizoite, 52km, Salta Province. 3300M. Wild. Seed.
472743. Oka 5442A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74112A. Collected March 29, 1974. East of Abra de Lizoite, 52km, Salta Province. 3300M. Wild. Seed.
472744. Oka 5458. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74121. Collected March 30, 1974. Rincon de Cajas, Jujuy Province. 3980M. Wild. Seed.



472637 TO 472792-continued

472745. Oka 5459. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74122. Collected March 30, 1974. Rincon de Cajas, Jujuy Province. 3980M. Wild. Seed.
472746. Oka 5496. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74153. Collected April 02, 1974. West of Catalina, 30km on the way to El Angosto, Jujuy Province. 3800M. Wild. Seed.
472747. Oka 5509. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74166. Collected April 02, 1974. West of Santa Catalina, 30km, Jujuy Province. 3800M. Wild. Seed.
472748. Oka 5510. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74167. Collected April 02, 1974. San Francisco, 12km west of Santa Catalina, Jujuy Province. 4000M. Wild. Seed.
472749. Oka 5512. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74168. Collected April 02, 1974. Santa Calalina, Jujuy Province. 3800M. Wild. Seed.
472750. Oka 5515. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74171. Collected April 02, 1974. Oratorio, Jujuy Province. 3500M. Wild. Seed.
472751. Oka 5517. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74172. Collected April 02, 1974. Salveayoc, 5km southwest of Rinconada, Jujuy Province. 4000M. Wild. Seed.
472752. Oka 5528. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74180. Collected April 02, 1974. Rinconada, Jujuy Province. 3950M. Wild. Seed.
472753. Oka 5543. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74194. Collected April 03, 1974. El Moreno, Jujuy Province. 3480M. Wild. Seed.
472754. Oka 5591. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74238. Collected April 05, 1974. La Bomba, 11km northwest of Las Cuevas, Salta Province. 3800M. Wild. Seed.
472755. Oka 5693. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74322. Collected April 11, 1974. Rt. 307, 83km marker bet. Infiernillos and Tafi del Valle, Tucuman Province. 2940M. Wild. Seed.
472756. Oka 5694. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74323. Collected April 11,

472637 TO 472792-continued

1974. Tafi, 83km market bet. Infiernellos and Tafi del Valle, Tucuman Province. 2940M. Wild. Seed.
472757. Oka 5696. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74325. Collected April 11, 1974. Tafi, 83km marker bet. Infiernellos and Tafi del Valle, Tucuman Province. 3100M. Wild. Seed.
472758. Oka 5704. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74332. Collected April 11, 1974. Tafi, 83km marker bet. Infiernellos and Tafi del Valle, Tucuman Province. 2940M. Wild. Seed.
472759. Oka 5731. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74356. Collected April 17, 1974. Lecho, 1 km west of Yavi, Jujuy Province. 3500M. Wild. Seed.
472760. Oka 5733. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74358. Collected April 17, 1974. Lecho, 1 km west of Yavi, Jujuy Province. 3200M. Wild. Seed.
472761. Oka 5753. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74375. Collected April 18, 1974. Condor, Jujuy Province. 3900M. Wild. Seed.
472762. Oka 5756. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74378. Collected April 18, 1974. Cholacor, 10km northwest of Condor, Jujuy Province. 3900M. Wild. Seed.
472763. Oka 5757. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74379. Collected April 18, 1974. Aqua Chia, Jujuy Province. 3900M. Wild. Seed.
472764. Oka 5762. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74384. Collected April 18, 1974. Casti, 3km southeast of Yavi, Jujuy Province. 3600M. Wild. Seed.
472765. Oka 5773. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74395. Collected April 19, 1974. Corimayo, between Timon Cruz and Oros, Jujuy Province. 4120M. Wild. Seed.
472766. Oka 5778. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74399. Collected April 19, 1974. Through Quebrada de Oros, 4km west of Oros, Jujuy Province. 3940M. Wild. Seed.
472767. Oka 5784. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74405. Collected April 19,

472637 TO 472792-continued

1974. West of Oros, 5km, Jujuy Province. 3900M. Wild. Seed.
472768. Oka 5788. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74409. Collected April 19, 1974. West of Oros, 6km, Jujuy Province. 3900M. Wild. Seed.
472769. Oka 5801. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74415. Collected April 20, 1974. West of Oros, 11km, Jujuy Province. 3800M. Wild. Seed.
472770. Oka 5815. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74429. Collected April 22, 1974. Inticancha, 7km northeast of Cruce, Jujuy Province. 3820M. Wild. Seed.
472771. Oka 5816. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74430. Collected April 22, 1974. On the way from Lizoite, Salta Province. 4120M. Wild. Seed.
472772. Oka 5820. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74433. Collected April 22, 1974. On the way from Lizoite, Salta Province. 3900M. Wild. Seed.
472773. Oka 5832. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74443. Collected April 22, 1974. On the way from Lizoite, Salta Province. 3800M. Wild. Seed.
472774. Oka 5955. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74505. Collected May 01, 1974. From Abra Pampa, 21km, Jujuy Province. 3700M. Wild. Seed.
472775. Oka 6087. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7535. Collected March 14, 1975. La Encrucijada, 21km southwest of Los Corralas, La Rioja Province. 3050M. Wild. Seed.
472776. Oka 6230. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7646. Collected April 20, 1976. Yavi, 45km east of La Quiaca, Jujuy Province. 4200M. Wild. Seed.
472777. Oka 6309. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 76122. Collected May 02, 1976. Triqohuaico, Salta Province. 3700M. Wild. Seed.
472778. Oka 6732. Argentina. Balcarce. INTA Estacion

472637 TO 472792-continued

- Experimental de Balcarce. BAL 7810. Collected 1978.  
Humahuaca Department, Jujuy Province. Wild. Seed.
472779. Oka 6733. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7811. Collected 1978.  
Aparzo, Jujuy Province. Wild. Seed.
472780. Oka 6735B. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7813B. Collected 1978.  
Humahuaca Department, Jujuy Province. Wild. Seed.
472781. Oka 6741. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7818. Collected 1978. Palca  
de Aparzo, Jujuy Province. Wild. Seed.
472782. Oka 6742. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7819. Collected 1978.  
Humahuaca Department, Jujuy Province. Wild. Seed.
472783. Oka 6750. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7826. Collected 1978.  
Humahuaca Department, Jujuy Province. Wild. Seed.
472784. Oka 6759. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7834. Collected 1978.  
Esquina Blanca, Jujuy Province. Wild. Seed.
472785. Oka 6760. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7835. Collected 1978.  
Esquina Blanca, Jujuy Province. Wild. Seed.
472786. Oka 6761. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7836. Collected 1978.  
Esquina Blanca, Jujuy Province. Wild. Seed.
472787. Oka 6762. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7837. Collected 1978.  
Esquina Blanca, Jujuy Province. Wild. Seed.
472788. Oka 6765. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7840. Collected 1978. Yava  
Department, Jujuy Province. Wild. Seed.
472789. Oka 6781. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7855. Collected 1978. Santa  
Catalina Department, Jujuy Province. Wild. Seed.
472790. Oka 6783. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7857. Collected 1978. Santa  
Catalina Department, Jujuy Province. Wild. Seed.
472791. Oka 6794. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7867. Collected 1978. Jujuy

472637 TO 472792-continued  
Province. Wild. Seed.

472792. Oka 6887. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 78154. Collected 1978.  
Aparzo, Jujuy Province. Wild. Seed.

472793 TO 472803. *Solanum acaule* var. *aemulans* (Bitt. & Wittm.) Corr.  
(Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental  
Regional Agropecuaria Instituto Nacional de Tecnologia  
Agropecuaria, 7620 - Balcarce.  
Received March 1982.

472793. Oka 4361. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 72162. Collected March 21,  
1972. Piedra Rosada, by Ventura River, Jujuy Province.  
4000M. Wild. Seed.

472794. Oka 4363. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 72164. Collected March 21,  
1972. Cada Colorada a Molulo, Jujuy Province. 3800M. Wild.  
Seed.

472795. Oka 4379. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 72180. Collected March 22,  
1972. Tembrijo, Jujuy Province. 3500M. Wild. Seed.

472796. Oka 4413. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 72211. Collected March 24,  
1972. Piedra Parada, Jujuy Province. 3700M. Wild. Seed.

472797. Oka 4414. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 72212. Collected March 24,  
1972. Piedra Parada, Jujuy Province. 3700M. Wild. Seed.

472798. Oka 6055. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 759. Collected March 12,  
1975. Sierra de Famatina, Puesto Real Vieja, La Rioja  
Province. 3580M. Wild. Seed.

472799. Oka 6081. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7529. Collected March 14,  
1975. La Encrucijada, 21km southwest of Los Corrales, La  
Rioja Province. 3050M. Wild. Seed.

472800. Oka 6082. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7530. Collected March 14,  
1975. La Encrucijada, 21km southwest of Los Corrales, La  
Rioja Province. 3100M. Wild. Seed.

472801. Oka 6083. Argentina. Balcarce. INTA Estacion

**472793 TO 472803-continued**

Experimental de Balcarce. BAL 7531. Collected March 14, 1975. Sierra de Famatina, 21km southwest of Los Corrales, La Rioja Province. 3100M. Wild. Seed.

**472802.** Oka 6085A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7533A. Collected March 14, 1975. Sierra de Famatina, 21km southwest of Los Corrales, La Rioja Province. 3050M. Wild. Seed.

**472803.** Oka 6086. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7534. Collected March 14, 1975. Sierra de Famatina, 21km southwest of Los Corrales, La Rioja Province. 3050M. Wild. Seed.

**472804 TO 472808. Solanum boliviense Dunal (Solanaceae).**

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

**472804.** Hof 1738. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7073. Collected 1970. Cuesta Parada, 9km southwest of Santa Victoria, Salta Province. 3350M. Wild. Seed.

**472805.** Hof 1851. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71270. Collected May 03, 1971. East of Cajas, 56km, Salta Province. 3150M. Wild. Seed.

**472806.** Hof 1926. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71299. Collected October 03, 1971. Abra Delgada, 10km southeast of Santa Victoria, Salta Province. 3300M. Wild. Seed.

**472807.** Hof s.n. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71368. Collected 1971. Santa Victoria Department, Salta Province. Wild. Seed.

**472808.** Oka 5436. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74108. Collected March 29, 1974. East of Abra Lizeite, 50km, Salta Province. 3500M. Wild. Seed.

**472809 TO 472832. Solanum chacoense Bitter (Solanaceae).**

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

472809 TO 472832-continued

472809. HHR 3187. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 6611. Collected January 08, 1966. Gerro del Morro, Estancia La Morena, San Luis Province. 1300M. Wild. Seed.
472810. Hof 1533. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 705. Collected 1970. Palma Sola, Jujuy Province. 750M. Wild. Seed.
472811. Oka 4756. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 731. Collected January 10, 1973. Santa Rosa, Cordoba Province. 750M. Wild. Seed.
472812. Oka 4809. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 735. Collected March 14, 1973. El Cano, Cordoba Province. 600M. Wild. Seed.
472813. Oka 4810. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 736. Collected March 15, 1973. Villa Alpina, 38km west of Villa General Belgrano, Cordoba Province. 1100M. Wild. Seed.
472814. Oka 4817. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7311. Collected March 19, 1973. West of Escoipe, 2km, Salta Province. 2100M. Wild. Seed.
472815. Oka 4818. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7312. Collected March 19, 1973. West of Escoipe, 2km, Salta Province. 2100M. Wild. Seed.
472816. Oka 4907. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7394. Collected April 04, 1973. Hosteria El Maray, Salta Province. 2500M. Wild. Seed.
472817. Oka 4954. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73137. Collected April 11, 1973. Rosario de Colona, Catamarca Province. 1600M. Wild. Seed.
472818. Oka 5318. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 748. Collected February 1974. Sierra de Velasco, El Duraznillo, La Rioja Province. 1050M. Wild. Seed.
472819. Oka 5341. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7427. Collected February 27, 1974. Guayamba, Catamarca Province. 900M. Wild. Seed.
472820. Oka 5608. Argentina. Balcarce. INTA Estacion

472809 TO 472832-continued

- Experimental de Balcarce. BAL 74253. Collected April 05, 1974. Quebrada del Toro, Incamayo, Salta Province. 2280M. Wild. Seed.
472821. Oka 5611. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74255. Collected April 05, 1974. Quebrada del Toro, 4km east of Chorrillos, Salta Province. 2150M. Wild. Seed.
472822. Oka 5613. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74257. Collected April 05, 1974. Quebrada del Toro, Virrey Toledo, Salta Province. 1600M. Wild. Seed.
472823. Oka 5616. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74259. Collected April 07, 1974. Road to El Puyil, 2km west of Campo Quijano, Salta Province. 1700M. Wild. Seed.
472824. Oka 5622. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74264. Collected April 08, 1974. Quebrada de Escoipe, 1 km west of Mal Paso. 1600M. Wild. Seed.
472825. Oka 5628. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74268. Collected April 08, 1974. Rio Malacante, 8km west of Mal Paso, Salta Province. 1800M. Wild. Seed.
472826. Oka 5630. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74269. Collected April 08, 1974. Above Escoipe, 2km, Salta Province. 2000M. Wild. Seed.
472827. Gonz 4. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74558. Collected November 14, 1974. Corrientes, Corrientes Province. 55M. Wild. Seed.
472828. Oka 6113. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7554. Collected April 14, 1975. El Duraznillo, La Rioja Province. 1000M. Wild. Seed.
472829. Oka 6116. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7555. Collected April 15, 1975. El Duraznillo, La Rioja Province. 1100M. Wild. Seed.
472830. Oka 6117. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7556. Collected April 15, 1975. El Duraznillo, La Rioja Province. 1140M. Wild. Seed.
472831. Oka 6118. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7557. Collected April 15, 1975. El Duraznillo, La Rioja Province. 1300M. Wild. Seed.



472809 TO 472832-continued

472832. Oka 6888. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 78155. Collected 1978. Catamarca Province. Wild. Seed.

472833 TO 472839. *Solanum commersonii* Dunal ex Poir. (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

472833. Oka 4583. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72364. Collected June 26, 1972. Cinco Cerros, near Balcarce, Buenos Aires Province. 120M. Wild. Seed.

472834. Oka 5040. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73219. Collected May 14, 1973. From Balcarce, Olavarria, La China Mountain, Buenos Aires Province. 5040M. Wild. Seed.

472835. Oka 5050. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73227. Collected 1973. Balcarce Estacion Experimental, Buenos Aires Province. Wild. Seed.

472836. Oka 5059. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73230. Collected 1973. Balcarce, Buenos Aires Province. Wild. Seed.

472837. Oka 5174 x 5207. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73244 x 73245. Collected 1973. Balcarce, Buenos Aires Province. Wild. Seed.

472838. Oka 5258B. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73247B. Collected 1973. Tandil, Buenos Aires Province. Wild. Seed.

472839. Oka 6180. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 761. Collected April 01, 1976. Balcarce, Estancia Arroyo Grande, Buenos Aires Province. 50M. Wild. Seed.

472840 TO 472855. *Solanum commersonii* f. *malmeanum* (Bitt.) Corr. (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

472840 TO 472855-continued

472840. Del s.n. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72363. Collected June 03, 1972. Palmar, between Colon and Concordia, Entre Rios Province. Wild. Seed.
472841. Oka 5074. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73234. Collected 1973. Mercedes, Corrientes Province. Wild. Seed.
472842. Oka 5075 x 5076. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73235 x 73236. Collected 1973. Paso de los Libres, Corrientes Province. Wild. Seed.
472843. Oka 7254. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 803. Collected June 19, 1980. Route national 14, bet. Rio Gualequaychu and Parque Unzue, Entre Rios Prov. 20M. Wild. Seed.
472844. Oka 7256. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 804. Collected June 19, 1980. Belgrano, Route 14, 3km from Gualequaychu, Entre Rios Province. 20M. Wild. Seed.
472845. Oka 7270. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 8014. Collected June 24, 1980. Route nacional 14, 1 km from Monte Caseros, Corrientes Province. 50M. Wild. Seed.
472846. Oka 7281. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 8021. Collected June 26, 1980. From Paso de Los Libres, 3km, Corrientes Province. 50M. Wild. Seed.
472847. Oka 7282. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 8022. Collected June 26, 1980. From Paso de Los Libres, 3km, Corrientes Province. 50M. Wild. Seed.
472848. Oka 7284. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 8024. Collected June 26, 1980. Road to Tapebicua, 6km from Paso de Los Libres, Corrientes Province. 50M. Wild. Seed.
472849. Oka 7291. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 8030. Collected June 27, 1980. Route prov. 1, 13km southwest from Feliciano, Entre Rios Province. 64M. Wild. Seed.
472850. Oka 7292. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 8031. Collected June 27, 1980. Route prov. 1, 19km southwest from Feliciano, Entre Rios Province. 62M. Wild. Seed.

472840 TO 472855-continued

472851. Oka 7298. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 8036. Collected June 30, 1980. Gomez Cello, Route nacional 11, Santa Fe Province. 56M. Wild. Seed.
472852. Oka 7303. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 8041. Collected July 02, 1980. Cerrito Island, 40km from Reconquista, Chaco Province. Wild. Seed.
472853. Oka 7304. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 8042. Collected July 02, 1980. Cerrito Island, 1 km to bridge over Rio San Pedro, Chaco Province. Wild. Seed.
472854. Oka 7310. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 8045. Collected July 03, 1980. Yaquarete, 2km north of Las Toscas on Route nacional 11, Santa Fe Province. Wild. Seed.
472855. Oka 7313. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 8048. Collected July 04, 1980. Parana, 3km from Illegar on Route prov. 11, Entre Rios Province. 74M. Wild. Seed.

472856 TO 472920. *Solanum infundibuliforme* Phil. (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

472856. Hof 1623. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7028. Collected 1970. Cerro Colorado, Jujuy Province. 3650M. Wild. Seed.
472857. Hof 1625. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7030. Collected 1970. Route to Cangrejillos, near La Pulpera, Jujuy Province. 3620M. Wild. Seed.
472858. Hof 1650. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7037. Collected 1970. Road to Humahuaca, Jujuy Province. 3900M. Wild. Seed.
472859. Hof 1664. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7044. Collected 1970. Cajas, Jujuy Province. 4000M. Wild. Seed.
472860. Hof 1673. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7047. Collected 1970.

472856 TO 472920-continued

Tafna, Jujuy Province. 3600M. Wild. Seed.

472861. Hof 1683. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7051. Collected 1970. Sierra de Cochinoca, Moreta, Jujuy Province. 4150M. Wild. Seed.
472862. Hof 1700. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7058. Collected 1970. Condor, Jujuy Province. 3700M. Wild. Seed.
472863. Oka 3705. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7114. Collected February 20, 1971. West of Santa Catalina, 25km, Jujuy Province. 3895M. Wild. Seed.
472864. Oka 3817. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7176. Collected March 02, 1971. Quebrada from Huichairi, Jujuy Province. 2800M. Wild. Seed.
472865. Oka 3837. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7193. Collected April 02, 1971. Quebrada from Soledad, 10km west of Humahuaca, Jujuy Province. 3250M. Wild. Seed.
472866. Oka 3952. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71160. Collected April 06, 1971. El Angosto, 34km west of Santa Catalina, Jujuy Province. 3680M. Wild. Seed.
472867. Oka 3960. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71165. Collected April 07, 1971. Unopujito, near El Angosto, Jujuy Province. 3700M. Wild. Seed.
472868. Oka 4313. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72114. Collected March 17, 1972. Quebrada de Estancia Grande, Jujuy Province. 3100M. Wild. Seed.
472869. Oka 4315. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72116. Collected March 17, 1972. Quebrada de Estancia Grande, Jujuy Province. 3200M. Wild. Seed.
472870. Oka 4318a. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72119A. Collected March 17, 1972. Quebrada de Estancia Grande, Jujuy Province. 3200M. Wild. Seed.
472871. Oka 4351. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72152. Collected 1972.

472856 TO 472920-continued

- Quebrada de Sepulturas, Jujuy Province. 3100M. Wild. Seed.
472872. Oka 4449. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72244. Collected March 29, 1972. Pucara, on road from Humahuaca to Aparzo, Jujuy Province. 3700M. Wild. Seed.
472873. Oka 4451. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72246. Collected March 29, 1972. Pucara, on road from Humahuaca to Aparzo, Jujuy Province. 3700M. Wild. Seed.
472874. Oka 4457. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72251. Collected March 29, 1972. Palca de Aparzo, Jujuy Province. 3800M. Wild. Seed.
472875. Oka 4463. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72257. Collected March 30, 1972. Cianzo, Jujuy Province. 3800M. Wild. Seed.
472876. Oka 4488. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72280. Collected April 02, 1972. Sierra de Zenta, Jujuy Province. 4300M. Wild. Seed.
472877. Oka 4497. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72288. Collected April 03, 1972. Abra Quiraqua, Jujuy Province. 3200M. Wild. Seed.
472878. Oka 4507. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72298. Collected April 03, 1972. Sierra Alta, Quebrada de la Soledad, Jujuy Province. 3620M. Wild. Seed.
472879. Oka 4511. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72302. Collected April 03, 1972. Sierra Alta, 12km west of Humahuaca on Route prov. 14, Jujuy Province. 3630M. Wild. Seed.
472880. Oka 4517. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72308. Collected April 03, 1972. Sierra Alta, 12km west of Humahuaca on Route prov. 14, Jujuy Province. 3730M. Wild. Seed.
472881. Oka 4521. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72312. Collected April 03, 1972. Sierra Alta, quebrada de la Soledad, Jujuy Province. 3300M. Wild. Seed.
472882. Oka 4522. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72313. Collected April 03, 1972. Sierra Alta, quebrada de la Soledad, Jujuy Province. 3300M. Wild. Seed.

472856 TO 472920-continued

472883. Oka 4525. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72316. Collected April 03, 1972. Sierra Alta, quebrada de la Soledad, Jujuy Province. 3300M. Wild. Seed.
472884. Oka 4526. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72317. Collected April 03, 1972. Sierra Alta, quebrada de la Soledad, Jujuy Province. 3300M. Wild. Seed.
472885. Oka 4530. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72319. Collected April 05, 1972. Sierra Alta, quebrada del Aqua Blanca, Jujuy Province. 3500M. Wild. Seed.
472886. Oka 4531. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72320. Collected April 05, 1972. Sierra Alta, quebrada del Aqua Blanca, Jujuy Province. 3500M. Wild. Seed.
472887. Oka 4550. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72337. Collected April 08, 1972. Route nacional 9, Esquina Blanca, Jujuy Province. 3500M. Wild. Seed.
472888. Oka 4557. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72344. Collected April 08, 1972. Route nacional 9, Esquina Blanca, Jujuy Province. 3500M. Wild. Seed.
472889. Oka 4568. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72353. Collected April 10, 1972. Cuesta Azul Pampa, Jujuy Province. 3800M. Wild. Seed.
472890. Oka 4878. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7366. Collected March 30, 1973. Sierra del Cobre, Quebrada del Cobres, Salta Province. 3700M. Wild. Seed.
472891. Oka 4880. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7368. Collected March 30, 1973. Quebrada de Cobres, 7km west of Cobre, Salta Province. 3800M. Wild. Seed.
472892. Oka 4881. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7369. Collected March 30, 1973. Quebrada de Cobres, Salta Province. 3800M. Wild. Seed.
472893. Oka 4882. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7370. Collected March 30,

472856 TO 472920-continued

1973. Quebrada de Cobres, Salta Province. 3820M. Wild. Seed.
472894. Oka 5381. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7460. Collected March 26, 1974. South of Aparzo, 1 km, Jujuy Province. 3820M. Wild. Seed.
472895. Oka 5419. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7494. Collected March 28, 1974. Cuesta Azul Pampa, Jujuy Province. 3800M. Wild. Seed.
472896. Oka 5422. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7497. Collected March 28, 1974. North of Esquina Blanca, 2km, Jujuy Province. 3600M. Wild. Seed.
472897. Oka 5494. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74151. Collected April 02, 1974. Near El Angosto, 27km west of Santa Catalina, Jujuy Province. 3900M. Wild. Seed.
472898. Oka 5504. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74161. Collected April 02, 1974. Road from El Angosto, 30km west of Santa Catalina, Jujuy Province. 3800M. Wild. Seed.
472899. Oka 5573. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74222. Collected April 04, 1974. West of Matancillas, 1.5km, Salta Province. 3720M. Wild. Seed.
472900. Oka 5707. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74335. Collected April 16, 1974. Sierra Alta, Quebrada de la Soledad, Jujuy Province. 3300M. Wild. Seed.
472901. Oka 5716. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74342. Collected April 16, 1974. Coesta Azul Pampa, Jujuy Province. 3600M. Wild. Seed.
472902. Oka 5717. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74343. Collected April 16, 1974. Cuesta Azul Pampa, Jujuy Province. 3600M. Wild. Seed.
472903. Oka 5779. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74400. Collected April 19, 1974. West of quebrada de Oros, Jujuy Province. 3820M. Wild. Seed.

472856 TO 472920-continued

472904. Oka 5781. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74402. Collected April 19, 1974. Four km, west of quebrada de Oros, Jujuy Province. 3815M. Wild. Seed.
472905. Oka 5783. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74404. Collected April 19, 1974. Quebrada de Oros, Jujuy Province. 3900M. Wild. Seed.
472906. Oka 5786. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74407. Collected April 19, 1974. West of quebrada de Oros, 6km, Jujuy Province. 3600M. Wild. Seed.
472907. Oka 5789. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74410. Collected April 19, 1974. West of Oros, 6km, Jujuy Province. 3900M. Wild. Seed.
472908. Oka 5790. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74411. Collected April 19, 1974. Quebrada de Oros, Jujuy Province. 3900M. Wild. Seed.
472909. Oka 5798. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74412. Collected April 20, 1974. Quebrada de Oros, Jujuy Province. 3860M. Wild. Seed.
472910. Oka 5799. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74413. Collected April 20, 1974. West of quebrada de Oros, 8km, Jujuy Province. 3800M. Wild. Seed.
472911. Oka 5856. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74453. Collected April 23, 1974. Lizoite, Salta Province. 3400M. Wild. Seed.
472912. Oka 5867. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74454. Collected April 23, 1974. Northwest of Lizoite, 1 km, Salta Province. 3500M. Wild. Seed.
472913. Oka 5967. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74517. Collected May 02, 1974. Quebrada de Paicones, Jujuy Province. 3700M. Wild. Seed.
472914. Oka 5970. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74520. Collected May 02, 1974. Quebrada de Paicones, Jujuy Province. 3700M. Wild. Seed.
472915. Oka 5975. Argentina. Balcarce. INTA Estacion



472856 TO 472920-continued

Experimental de Balcarce. BAL 74525. Collected May 03, 1974. Road to Tiomayo 5km southwest of Paicones, Jujuy Province. 3600M. Wild. Seed.

472916. Oka 6000. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74549. Collected May 05, 1974. Abra de Pibes, Jujuy Province. 3640M. Wild. Seed.

472917. Oka 6001. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74550. Collected May 05, 1974. Abra de Pibes, Jujuy Province. 3780M. Wild. Seed.

472918. Oka 6724. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 783. Collected 1978. Jujuy Province. Wild. Seed.

472919. Oka 6790. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7863. Collected 1978. Jujuy Province. Wild. Seed.

472920. Oka 6793. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7866. Collected 1978. Jujuy Province. Wild. Seed.

472921 TO 472965. *Solanum kurtzianum* Bitter & Wittm. ex Engl.  
(Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

472921. HHR 3384. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 6636. Collected November 03, 1966. Between Campanas and Santa Cruz, La Rioja Province. 1600M. Wild. Seed.

472922. Hof 1752. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7080. Collected 1970. Sierra de Famatina, La Rioja Province. 2200M. Wild. Seed.

472923. Hof 1757. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7085. Collected 1970. Quebrada Antecristo, San Juan Province. 2800M. Wild. Seed.

472924. Hof 1759. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7087. Collected 1970. Chaural de los Caranchos, road from Chilecito to El Chalet, Mendoza Prov. 1100M. Wild. Seed.

472925. Leal 22696. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7095. Collected May 1963.

472921 TO 472965-continued

Estancia Canota, Mendoza Province. Wild. Seed.

472926. Oka 4203. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7211. Collected January 30, 1972. Santa Florentina, La Rioja Province. 1400M. Wild. Seed.
472927. Oka 4252. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7256. Collected February 03, 1972. Guanchin Vieja, La Rioja Province. 1700M. Wild. Seed.
472928. Oka 4931. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73115. Collected April 07, 1973. Between San Fernando and La Cienaga, Catamarca Province. 1600M. Wild. Seed.
472929. Oka 4933. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73117. Collected April 08, 1973. Quebrada de Belen, Catamarca Province. 1400M. Wild. Seed.
472930. Oka 4936. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73120. Collected April 08, 1973. Quebrada de Belen, Catamarca Province. 1250M. Wild. Seed.
472931. Oka 4937. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73121. Collected April 09, 1973. El Corte, Catamarca Province. 1250M. Wild. Seed.
472932. Oka 4939. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73122. Collected May 01, 1973. Rio Carpinteria, Catamarca Province. 1250M. Wild. Seed.
472933. Oka 4947. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73130. Collected May 01, 1973. West of Andalgalá, 24km, Catamarca Province. 1000M. Wild. Seed.
472934. Oka 4959. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73142. Collected April 12, 1973. Hillside, Capillitas, Catamarca Province. 1740M. Wild. Seed.
472935. Oka 4960. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73143. Collected April 12, 1973. Hillside, Capillitas, Catamarca Province. 1740M. Wild. Seed.
472936. Oka 4961. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73144. Collected April 12,

472921 TO 472965-continued

1973. Hillside, Capillitas, Catamarca Province. 1840M.  
Wild. Seed.
472937. Oka 4962. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 73145. Collected April 12,  
1973. Hillside, Capillitas, Catamarca Province. 1840M.  
Wild. Seed.
472938. Oka 4964. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 73147. Collected April 12,  
1973. Hillside, Capillitas, Catamarca Province. 1960M.  
Wild. Seed.
472939. Oka 4966. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 73149. Collected April 12,  
1973. Hillside, Capillitas, Catamarca Province. 2140M.  
Wild. Seed.
472940. Oka 4967. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 73150. Collected April 12,  
1973. Hillside, Capillitas, Catamarca Province. 2500M.  
Wild. Seed.
472941. Oka 4972. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 73155. Collected April 13,  
1973. Rio Chanarito, Catamarca Province. 1000M. Wild.  
Seed.
472942. Oka 4974. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 73157. Collected April 13,  
1973. Hillside, Chilcas, Catamarca Province. 1580M. Wild.  
Seed.
472943. Oka 4976. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 73158. Collected April 14,  
1973. Hillside, Zapata, Catamarca Province. 1800M. Wild.  
Seed.
472944. Oka 4977. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 73159. Collected April 14,  
1973. Hillside, Zapata, Catamarca Province. 1800M. Wild.  
Seed.
472945. Oka 4978. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 73160. Collected April 15,  
1973. Road to Aicuna, La Rioja Province. 1640M. Wild.  
Seed.
472946. Oka 4982. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 73164. Collected April 15,  
1973. West from Tambillos, 3km, La Rioja Province. 1600M.  
Wild. Seed.

472921 TO 472965-continued

472947. Oka 4986. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73167. Collected April 19, 1973. Route nacional 40, La Rioja Province. 1400M. Wild. Seed.
472948. Oka 4989. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73170. Collected April 19, 1973. Road to El Chuschin, La Rioja Province. 1400M. Wild. Seed.
472949. Oka 4996. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73177. Collected April 20, 1973. Route prov. 18, La Rioja Province. 1300M. Wild. Seed.
472950. Oka 4997. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73178. Collected April 20, 1973. Route prov. 18, La Rioja Province. 1300M. Wild. Seed.
472951. Oka 5000. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73181. Collected April 21, 1973. Santa Florentina, La Rioja Province. 1400M. Wild. Seed.
472952. Oka 5026. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73205. Collected April 28, 1973. Cuesta de Zapata, Catamarca Province. 1840M. Wild. Seed.
472953. Oka 5028. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73207. Collected April 28, 1973. Cuesta de Zapata, Catamarca Province. 1800M. Wild. Seed.
472954. Oka 5029. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73208. Collected April 28, 1973. Cuesta de Zapata, Catamarca Province. 1640M. Wild. Seed.
472955. Oka 5030. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73209. Collected April 29, 1973. Northeast of Tinogasta, 18km, Catamarca Province. 1500M. Wild. Seed.
472956. Oka 5033. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73212. Collected April 29, 1973. Quebrada del Salto, Catamarca Province. 1620M. Wild. Seed.
472957. Oka 5037. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73216. Collected May 02,

472921 TO 472965-continued

1973. Catamarca Province. 1300M. Wild. Seed.
472958. Oka 5038. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73217. Collected May 02, 1973. Catamarca Province. 1200M. Wild. Seed.
472959. Oka 5039. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73218. Collected May 02, 1973. Catamarca Province. 1200M. Wild. Seed.
472960. Oka 6003. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74552. Collected May 08, 1974. Quebrada de la Sebila, La Rioja Province. 1000M. Wild. Seed.
472961. Oka 6004. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74553. Collected May 08, 1974. Quebrada de la Sebila, La Rioja Province. 960M. Wild. Seed.
472962. Oka 6005. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74554. Collected May 08, 1974. Quebrada de la Sebila, La Rioja Province. 880M. Wild. Seed.
472963. Oka 6007. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74556. Collected May 08, 1974. Quebrada de la Sebila, La Rioja Province. 640M. Wild. Seed.
472964. Oka 6097. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7541. Collected March 20, 1975. La Toma, Catamarca Province. 1600M. Wild. Seed.
472965. Oka 6135. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7568. Collected April 25, 1975. Pozo de Piedra, Catamarca Province. 1900M. Wild. Seed.

472966 TO 472990. *Solanum leptophyes* Bitter (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

472966. Hof 1754. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7082. Collected 1970. La Aquadita, La Rioja Province. 2550M. Wild. Seed.
472967. Oka 4032. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 41216. Collected April 17,

472966 TO 472990-continued

1971. Rio Salado, 42km north of Cachi, Salta Province.  
2640M. Wild. Seed.
472968. Oka 4035. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 71217. Collected April 17,  
1971. Rio Salado, 42km north of Cachi, Salta Province.  
2640M. Wild. Seed.
472969. Oka 4037. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 71219. Collected April 17,  
1971. Rio Salado, 43km north of Cachi, Salta Province.  
2640M. Wild. Seed.
472970. Oka 4052. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 71230. Collected April 19,  
1971. From Ilegar to Payogasta, 7km, Salta Province.  
2600M. Wild. Seed.
472971. Oka 4056. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 71233. Collected April 20,  
1971. Las Pailas, 14km northwest of Cachi, Salta Province.  
2640M. Wild. Seed.
472972. Oka 4057. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 71234. Collected April 20,  
1971. Las Pailas, 14km northwest of Cachi, Salta Province.  
2640M. Wild. Seed.
472973. Oka 4058. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 71235. Collected April 20,  
1971. Las Pailas, 14km northwest of Cachi, Salta Province.  
2640M. Wild. Seed.
472974. Oka 4059. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 71236. Collected April 20,  
1971. Las Pailas, 14km northwest of Cachi, Salta Province.  
2640M. Wild. Seed.
472975. Oka 4061. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 71237. Collected April 20,  
1971. Las Pailas, 14km northwest of Cachi, Salta Province.  
2640M. Wild. Seed.
472976. Oka 4064. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 71239. Collected April 20,  
1971. Escuela Cortaderas, 2km north of Punta del Agua.  
2500M. Wild. Seed.
472977. Oka 4065. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 71240. Collected April 20,  
1971. El Potrero, Salta Province. 2600M. Wild. Seed.
472978. Oka 4067. Argentina. Balcarce. INTA Estacion

472966 TO 472990-continued

- Experimental de Balcarce. BAL 71242. Collected April 20, 1971. South of El Potrero, 1 km near Escuela Cortaderas. 2600M. Wild. Seed.
472979. Oka 4069. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71244. Collected April 21, 1971. Southwest of Brealite, 7km, Salta Province. 2500M. Wild. Seed.
472980. Oka 4071. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71246. Collected April 21, 1971. Finca Luracatao, Salta Province. 3000M. Wild. Seed.
472981. Oka 4266. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7269. Collected February 06, 1972. Salto, west of Angulos, La Rioja Province. 2300M. Wild. Seed.
472982. Oka 4847. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7337. Collected March 24, 1973. 3200M. Wild. Seed.
472983. Oka 4902. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7389. Collected April 03, 1973. South of Isonza, 11km, Salta Province. 2800M. Wild. Seed.
472984. Oka 4930. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73114. Collected April 07, 1973. Campo de Arenal, Catamarca Province. 2220M. Wild. Seed.
472985. Oka 5656. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74290. Collected April 09, 1974. Route nacional 40, 6km north of Palermo, Salta Province. 2560M. Wild. Seed.
472986. Oka 5660. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74293. Collected April 09, 1974. Route nacional 40, 3km north of Sauzalite, Salta Province. 2800M. Wild. Seed.
472987. Oka 5662. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74294. Collected April 09, 1974. Route nacional 40, 1 km north of Pena Agujereada, Salta Province. 2620M. Wild. Seed.
472988. Oka 5690. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74319. Collected April 11, 1974. Route 307, 97.7km between Amaicha and Tafi, Tucuman Province. 2700M. Wild. Seed.
472989. Oka 6071. Argentina. Balcarce. INTA Estacion

472966 TO 472990-continued

Experimental de Balcarce. BAL 7522. Collected March 14, 1975. Sierra de Famatinae, 15km southwest of Los Corrales, La Rioja Province. 2700M. Wild. Seed.

472990. Oka 6076. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7525. Collected March 14, 1975. Sierra de Famatinae, 1 km south of Las Cuevas, La Rioja Province. 2750M. Wild. Seed.

472991 TO 473108. *Solanum leptophyes* f. *gourlayi* (Hawkes) Corr. (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce. Received March 1982.

472991. Oka 3047. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 67124. Collected March 04, 1967. Quebrada de la Soledad, Jujuy Province. 3300M. Wild. Seed.

472992. Oka 3074. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 67134. Collected March 06, 1967. Coraya, Jujuy Province. 3400M. Wild. Seed.

472993. Hof 1633. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7034. Collected 1970. Quebrada de los Hornillos circa de Tilcara, Jujuy Province. 3000M. Wild. Seed.

472994. Hof 1699. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7057. Collected 1970. San Juan, Salta Province. 3000M. Wild. Seed.

472995. Hof 1704. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7060. Collected 1970. Chiyuyoo, Salta Province. 3000M. Wild. Seed.

472996. Hof 1706. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7061. Collected 1970. Abra Colorada, Salta Province. 3400M. Wild. Seed.

472997. Hof 1712. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7063. Collected 1970. Abra Colorada, Salta Province. 3250M. Wild. Seed.

472998. Hof 1716. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7066. Collected 1970. Road from Molinos, Salta Province. 2800M. Wild. Seed.

472999. Hof 1724. Argentina. Balcarce. INTA Estacion



472991 TO 473108-continued

- Experimental de Balcarce. BAL 7068. Collected 1970. Rio Nazareno, Salta Province. 3050M. Wild. Seed.
473000. Hof 1725. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7069. Collected 1970. Rio Nazareno, Salta Province. 3050M. Wild. Seed.
473001. Oka 3801. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7166. Collected April 02, 1971. Sierra de Malpaso, Quebrada de Huichaira, Jujuy Province. 2900M. Wild. Seed.
473002. Oka 3802. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7167. Collected April 02, 1971. Sierra de Malpaso, Quebrada de Huichaira, Jujuy Province. 2900M. Wild. Seed.
473003. Oka 3804. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7168. Collected April 02, 1971. Sierra de Malpaso, Quebrada de Huichaira, Jujuy Province. 2900M. Wild. Seed.
473004. Oka 3808. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7169. Collected April 02, 1971. Sierra de Malpaso, Quebrada de Huichaira, Jujuy Province. 2900M. Wild. Seed.
473005. Oka 3810. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7170. Collected April 02, 1971. Sierra de Malpaso, Quebrada de Huichaira, Jujuy Province. 2900M. Wild. Seed.
473006. Oka 3811. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7171. Collected April 02, 1971. Sierra de Malpaso, Quebrada de Huichaira, Jujuy Province. 2900M. Wild. Seed.
473007. Oka 3812. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7172. Collected April 02, 1971. Sierra de Malpaso, Quebrada de Huichaira, Jujuy Province. 2900M. Wild. Seed.
473008. Oka 3813. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7173. Collected April 02, 1971. Sierra de Malpaso, Quebrada de Huichaira, Jujuy Province. 2900M. Wild. Seed.
473009. Oka 3814. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7174. Collected April 02, 1971. Sierra de Malpaso, Quebrada de Huichaira, Jujuy Province. 2900M. Wild. Seed.
473010. Oka 3815. Argentina. Balcarce. INTA Estacion

472991 TO 473108-continued

- Experimental de Balcarce. BAL 7175. Collected April 02, 1971. Sierra de Malpaso, Quebrada de Huichaira, Jujuy Province. 2900M. Wild. Seed.
473011. Oka 1800. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71252. Collected January 20, 1971. Abre de Tumbaya Grande, Jujuy Province. 1900M. Wild. Seed.
473012. Oka 1800A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71252A. Collected January 20, 1971. Abre de Tumbaya Grande, Jujuy Province. 1900M. Wild. Seed.
473013. Oka 1832. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71261. Collected March 02, 1971. Incacuevas, Jujuy Province. 3650M. Wild. Seed.
473014. Oka 4298. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7299. Collected March 15, 1972. Quebrada del Zorro, Jujuy Province. 3300M. Wild. Seed.
473015. Oka 4300. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72101. Collected March 15, 1972. Cassa Colorada, Jujuy Province. 3300M. Wild. Seed.
473016. Oka 4306. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72107. Collected March 15, 1972. Cassa Colorada, Jujuy Province. 3300M. Wild. Seed.
473017. Oka 4314. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72115. Collected March 17, 1972. Quebrada de Estancia Grande, Jujuy Province. 3300M. Wild. Seed.
473018. Oka 4319. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72120. Collected March 17, 1972. Quebrada de Estancia Grande, Jujuy Province. 3200M. Wild. Seed.
473019. Oka 4333. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72134. Collected March 18, 1972. Quebrada de Sepulturas, Puerta de Potreros, Jujuy Province. 3000M. Wild. Seed.
473020. Oka 4336. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72137. Collected March 18, 1972. Quebrada de Sepulturas, Jujuy Province. 3100M. Wild. Seed.
473021. Oka 4338. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72139. Collected March 18,

472991 TO 473108-continued

1972. Quebrada de Sepulturas, Jujuy Province. 3100M. Wild. Seed.
473022. Oka 4340. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72141. Collected March 18, 1972. Quebrada de Sepulturas, Jujuy Province. 3100M. Wild. Seed.
473023. Oka 4349A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72150A. Collected March 18, 1972. Quebrada de Sepulturas, Jujuy Province. 3100M. Wild. Seed.
473024. Oka 4352. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72153. Collected March 19, 1972. On the way from Tilcara to Alfarcito, Jujuy Province. 2900M. Wild. Seed.
473025. Oka 4353. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72154. Collected March 19, 1972. On the way from Tilcara to Alfarcito, Jujuy Province. 2900M. Wild. Seed.
473026. Oka 4356. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72157. Collected March 19, 1972. On the way from Tilcara to Alfarcito, 7km, Jujuy Province. 2900M. Wild. Seed.
473027. Oka 4432. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72230. Collected March 26, 1972. Quebrada del Chorro, Jujuy Province. 3900M. Wild. Seed.
473028. Oka 4435. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72232. Collected March 26, 1972. Quebrada del Chorro, Jujuy Province. 3900M. Wild. Seed.
473029. Oka 4437. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72234. Collected March 26, 1972. Near a waterfall from Chorro Brook, Jujuy Province. 3900M. Wild. Seed.
473030. Oka 4440. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72236. Collected March 26, 1972. Near a waterfall from Chorro Brook, Jujuy Province. 3900M. Wild. Seed.
473031. Oka 4445. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72241. Collected March 26, 1972. Quebrada del Chorro, Jujuy Province. 3900M. Wild. Seed.

472991 TO 473108-continued

473032. Oka 4450. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72245. Collected March 29, 1972. Pucara, Jujuy Province. 3700M. Wild. Seed.
473033. Oka 4455A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72249A. Collected March 29, 1972. Palca de Aparzo, Jujuy Province. 3800M. Wild. Seed.
473034. Oka 4464. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72258. Collected March 30, 1972. Cianzo, Jujuy Province. 3800M. Wild. Seed.
473035. Oka 4490A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72282A. Collected April 02, 1972. Cianzo, Jujuy Province. 3900M. Wild. Seed.
473036. Oka 4493. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72285. Collected April 02, 1972. Cianzo, Jujuy Province. 3900M. Wild. Seed.
473037. Oka 4494. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72286. Collected April 02, 1972. Cianzo, Jujuy Province. 3900M. Wild. Seed.
473038. Oka 4495. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72287. Collected April 02, 1972. Cianzo, Jujuy Province. 3800M. Wild. Seed.
473039. Oka 4501. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72292. Collected April 03, 1972. West of Humahuaca, 12km, Jujuy Province. 3300M. Wild. Seed.
473040. Oka 4503. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72294. Collected April 03, 1972. Sierra Alta, Jujuy Province. 3300M. Wild. Seed.
473041. Oka 4504. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72295. Collected April 04, 1972. West of Humahuaca, 12km, Jujuy Province. 3300M. Wild. Seed.
473042. Oka 4513. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72304. Collected April 04, 1972. West of Humahuaca, 12km, Jujuy Province. 3620M. Wild. Seed.
473043. Oka 4532. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72321. Collected April 05, 1972. Five km south of quebrada de la Soledad, Jujuy Province. 3500M. Wild. Seed.

472991 TO 473108-continued

473044. Oka 4533. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72322. Collected April 05, 1972. Five km south of quebrada de la Soledad, Jujuy Province. 3500M. Wild. Seed.
473045. Oka 4535. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72323. Collected April 05, 1972. Quebrada del Agua Blanco, Jujuy Province. 3500M. Wild. Seed.
473046. Oka 4536. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72324. Collected April 05, 1972. Sierra Alta, Jujuy Province. 3500M. Wild. Seed.
473047. Oka 4537. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72325. Collected April 05, 1972. Five km south of Quebrada de la Soledad, Jujuy Province. 3500M. Wild. Seed.
473048. Oka 4541. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72328. Collected April 05, 1972. Sierra Alta, Jujuy Province. 3500M. Wild. Seed.
473049. Oka 4542. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72329. Collected April 06, 1972. Coraya, Jujuy Province. 3400M. Wild. Seed.
473050. Oka 4543. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72330. Collected April 06, 1972. Coraya, Jujuy Province. 3460M. Wild. Seed.
473051. Oka 4549. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72336. Collected April 08, 1972. Esquina Blanca, Jujuy Province. 3500M. Wild. Seed.
473052. Oka 4553. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72340. Collected April 08, 1972. Esquina Blanca, Jujuy Province. 3500M. Wild. Seed.
473053. Oka 4554. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72341. Collected April 18, 1972. Esquina Blanca, Jujuy Province. 3500M. Wild. Seed.
473054. Oka 4555. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72342. Collected April 18, 1972. Esquina Blanca, Jujuy Province. 3500M. Wild. Seed.
473055. Oka 4556. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72343. Collected April 18, 1972. Esquina Blanca, Jujuy Province. 3500M. Wild. Seed.
473056. Oka 4559. Argentina. Balcarce. INTA Estacion

472991 TO 473108-continued

- Experimental de Balcarce. BAL 72346. Collected April 18, 1972. Esquina Blanca, Jujuy Province. 3500M. Wild. Seed.
473057. Oka 4560. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72347. Collected April 18, 1972. Esquina Blanca, Jujuy Province. 3500M. Wild. Seed.
473058. Oka 4561. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72348. Collected April 09, 1972. Between Estacion Azul Pampa and Iturbe, Jujuy Province. 3500M. Wild. Seed.
473059. Oka 4574. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72359. Collected April 11, 1972. North of Iturbe, 14km, Jujuy Province. 3700M. Wild. Seed.
473060. Oka 4824. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7317. Collected March 21, 1973. Between Alisal and Chorrillos, Salta Province. 1900M. Wild. Seed.
473061. Oka 4829. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7321. Collected March 21, 1973. Quebrada Munal, Salta Province. 3340M. Wild. Seed.
473062. Oka 4831. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7322. Collected March 21, 1973. Quebrada Munal, Salta Province. 3340M. Wild. Seed.
473063. Oka 4832. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7323. Collected March 21, 1973. Quebrada Munal, Salta Province. 3340M. Wild. Seed.
473064. Oka 4840. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7330. Collected March 21, 1973. Near El Rodeo, Salta Province. 3900M. Wild. Seed.
473065. Oka 4841. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7331. Collected March 21, 1973. Near El Rodeo, Salta Province. 3900M. Wild. Seed.
473066. Oka 4850. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7340. Collected March 26, 1973. Cebollar, Salta Province. 2200M. Wild. Seed.
473067. Oka 4852. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7342. Collected March 27, 1973. Incamayo, Salta Province. 2280M. Wild. Seed.
473068. Oka 4853. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7343. Collected March 27, 1973. El Golgota, Salta Province. 2320M. Wild. Seed.

472991 TO 473108-continued

473069. Oka 4854. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7344. Collected March 27, 1973. Quebrada del Toro, Terron Azul, Salta Province. 2500M. Wild. Seed.
473070. Oka 4855. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7345. Collected March 27, 1973. Quebrada del Toro, cerca de Puerta de Tastil, Salta Province. 2700M. Wild. Seed.
473071. Oka 4858. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7348. Collected March 27, 1973. Near Las Cuevas, Salta Province. 3500M. Wild. Seed.
473072. Oka 4859. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7349. Collected March 27, 1973. Cuesta de Munano, Salta Province. 3700M. Wild. Seed.
473073. Oka 4860. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7350. Collected March 27, 1973. Cuesta de Munano, Salta Province. 3800M. Wild. Seed.
473074. Oka 4862. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7352. Wild. Seed.
473075. Oka 4866. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7356. Collected March 28, 1973. North of El Rodeo, 1 km, Salta Province. 3880M. Wild. Seed.
473076. Oka 4867. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7357. Collected March 28, 1973. South of El Rodeo, 1 km, Salta Province. 3740M. Wild. Seed.
473077. Oka 4868. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7358. Collected March 28, 1973. South of El Rodeo, 1.5km, Salta Province. 3700M. Wild. Seed.
473078. Oka 4869. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7359. Collected March 28, 1973. South of El Rodeo, 1.5km, Salta Province. 3700M. Wild. Seed.
473079. Oka 4870. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7360. Collected March 28, 1973. La Quesera, Salta Province. 3700M. Wild. Seed.
473080. Oka 4872. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7361. Collected March 29, 1973. West of San Antonio, 3km, Salta Province. 3800M.

472991 TO 473108-continued  
Wild. Seed.

473081. Oka 4873. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7362. Collected March 29, 1973. West of San Antonio, 3km, Salta Province. 3800M. Wild. Seed.
473082. Oka 4876. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7364. Collected March 29, 1973. West of San Antonio, 3km, Salta Province. 3800M. Wild. Seed.
473083. Oka 4885. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7373. Collected March 30, 1973. Sierra del Cobre, 1.5km west of Matanzillas, Salta Province. 3720M. Wild. Seed.
473084. Oka 4887. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7375. Collected March 30, 1973. Sierra del Cobre, Salta Province. 3720M. Wild. Seed.
473085. Oka 4888A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7376A. Collected March 30, 1973. Sierra del Cobre, Salta Province. 3720M. Wild. Seed.
473086. Oka 4888B. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7376B. Collected March 30, 1973. Sierra del Cobre, Salta Province. 3720M. Wild. Seed.
473087. Oka 4892. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7380. Collected March 30, 1973. Sierra del Cobre, 1.5km west of Matanzillas. 3720M. Wild. Seed.
473088. Oka 4893. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7381. Collected April 01, 1973. Chorrillos, Salta Province. 2100M. Wild. Seed.
473089. Oka 4894. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7382. Collected April 01, 1973. Chorrillos, Salta Province. 2100M. Wild. Seed.
473090. Oka 4896. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7384. Collected April 01, 1973. Southeast of Chorrillos, 1 km, Salta Province. 2100M. Wild. Seed.
473091. Oka 4925. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73109. Collected April 05, 1973. Esquina Azul, Route nacional 40, Salta Province. 3580M. Wild. Seed.
473092. Oka 5346. Argentina. Balcarce. INTA Estacion



472991 TO 473108-continued

- Experimental de Balcarce. BAL 7429. Collected March 25, 1974. Quebrada de Huichaira, near Tilcara, Jujuy Province. 2800M. Wild. Seed.
473093. Oka 5388. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7466. Collected March 27, 1974. Northeast of Iturbe, 10km, Jujuy Province. 3540M. Wild. Seed.
473094. Oka 5421. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7496. Collected March 28, 1974. Esquina Blanca, Jujuy Province. 3600M. Wild. Seed.
473095. Oka 5568B. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74217B. Collected April 04, 1974. West of Matancillas, 1 km, Salta Province. 3700M. Wild. Seed.
473096. Oka 5569. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74218. Collected April 04, 1974. West of Matancillas, 1 km, Salta Province. 3700M. Wild. Seed.
473097. Oka 5570. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74219. Collected April 04, 1974. West of Matancillas, 1 km, Salta Province. 3700M. Wild. Seed.
473098. Oka 5572. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74221. Collected April 04, 1974. West of Matancillas, 1 km, Salta Province. 3700M. Wild. Seed.
473099. Oka 5586. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74233. Collected April 04, 1974. West of San Antonio de los Cobres, 3km, Salta Province. 3800M. Wild. Seed.
473100. Oka 5593. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74240. Collected April 05, 1974. La Bomba, 11km northwest of Las Cuevas, Salta Province. 3800M. Wild. Seed.
473101. Oka 5594. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74241. Collected April 05, 1974. La Bomba, 11km northwest of Las Cuevas, Salta Province. 3800M. Wild. Seed.
473102. Oka 5602. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74248. Collected April 05, 1974. El Munal, 8km northwest of Las Cuevas, Salta Province. 3700M. Wild. Seed.

472991 TO 473108-continued

473103. Oka 5604. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74250. Collected April 05, 1974. Quebrada de Munal, El Munal, Salta Province. 3700M. Wild. Seed.
473104. Oka 5838. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74449. Collected April 22, 1974. On the way from Lizoite, 5km by crossroads of Route 5, Salta Province. 3800M. Wild. Seed.
473105. Oka 5869. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74455. Collected April 23, 1974. Northwest of Lizoite, 1 km, Salta Province. 3500M. Wild. Seed.
473106. Oka 5870. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74456. Collected April 23, 1974. Route prov. 5, 1 km northwest of Lizoite, Salta Province. 3500M. Wild. Seed.
473107. Oka 5871. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74457. Collected April 23, 1974. Route prov. 5, 1 km northwest of Lizoite, Salta Province. 3500M. Wild. Seed.
473108. Oka 5998. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74547. Collected May 05, 1974. Quebrada de Purmamarca, Jujuy Province. 2720M. Wild. Seed.

473109 TO 473165. *Solanum megistacrolobum* Bitter (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria, Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

473109. Hof 1598. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7019. Collected 1970. Cuesta Azul Pampa, Jujuy Province. 3400M. Wild. Seed.
473110. Hof 1615. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7025. Collected 1970. Chalquamayo, Jujuy Province. 3880M. Wild. Seed.
473111. Hof 1618. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7026. Collected 1970. Condor, Jujuy Province. 4000M. Wild. Seed.
473112. Hof 1663. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7043. Collected 1970.

473109 TO 473165-continued

- Cajas, Jujuy Province. 4000M. Wild. Seed.
473113. Hof 1701. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7059. Collected 1970. Condor, Jujuy Province. 3700M. Wild. Seed.
473114. Hof 1729. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7071. Collected 1970. Poscaya, Salta Province. 3420M. Wild. Seed.
473115. Oka 3886. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71109. Collected April 04, 1971. Rio Chico, Jujuy Province. 3620M. Wild. Seed.
473116. Oka 3914. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71123. Collected April 06, 1971. West, 10km from Santa Catalina, Jujuy Province. 4000M. Wild. Seed.
473117. Oka 3917. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71126. Collected April 06, 1971. West, 10km from Santa Catalina, Jujuy Province. 4000M. Wild. Seed.
473118. Oka 3926. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71134. Collected April 06, 1971. West, 10km from Santa Catalina, Jujuy Province. 4000M. Wild. Seed.
473119. Oka 3931. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71139. Collected April 06, 1971. West, 24km from Santa Catalina, Jujuy Province. 4200M. Wild. Seed.
473120. Oka 3934. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71142. Collected April 06, 1971. West, 24km from Santa Catalina, Jujuy Province. 4200M. Wild. Seed.
473121. Oka 3977. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71176. Collected April 08, 1971. Cabrerillas, west to Oratorio, Jujuy Province. 3900M. Wild. Seed.
473122. Oka 3983. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71182. Collected April 07, 1971. Oratorio, Jujuy Province. 4000M. Wild. Seed.
473123. Oka 3992. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71189. Collected April 08, 1971. Lagunillas, Jujuy Province. 3900M. Wild. Seed.
473124. Oka 4006. Argentina. Balcarce. INTA Estacion

473109 TO 473165-continued

- Experimental de Balcarce. BAL 71197. Collected April 08, 1971. Rinconada, Jujuy Province. 4000M. Wild. Seed.
473125. Oka 4008. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71199. Collected April 08, 1971. Rinconada, Jujuy Province. 4000M. Wild. Seed.
473126. Oka 4024. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71209. Collected April 11, 1971. Southwest, 8km from Rinconada, Jujuy Province. 4020M. Wild. Seed.
473127. Oka 4358. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72159. Collected March 21, 1972. Near La Cueva, Jujuy Province. 3900M. Wild. Seed.
473128. Oka 4362. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72163. Collected March 21, 1972. Piedra Rosada, Jujuy Province. 4000M. Wild. Seed.
473129. Oka 4411. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72209. Collected March 24, 1972. Piedra Parada, Jujuy Province. 3700M. Wild. Seed.
473130. Oka 4415. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72213. Collected March 24, 1972. Rio Ventura, Jujuy Province. 3800M. Wild. Seed.
473131. Oka 4422. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72220. Collected March 24, 1972. El Angosto, Jujuy Province. 4000M. Wild. Seed.
473132. Oka 4428. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72226. Collected March 26, 1972. La Cueva, Jujuy Province. 3900M. Wild. Seed.
473133. Oka 4430. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72228. Collected March 26, 1972. La Cueva, Jujuy Province. 3900M. Wild. Seed.
473134. Oka 4431. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72229. Collected March 26, 1972. La Cueva, Jujuy Province. 3900M. Wild. Seed.
473135. Oka 4436. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72233. Collected March 26, 1972. Quebrada del Chorro, Jujuy Province. 3900M. Wild. Seed.
473136. Oka 4442. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72238. Collected 1972. Slope from ravine of the Chorro, Jujuy Province. Wild. Seed.

473109 TO 473165-continued

473137. Oka 4444. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72240. Collected March 1972. Slope from ravine of the Chorro, Jujuy Province. Wild. Seed.
473138. Oka 4448A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72243A. Collected March 29, 1972. By the road from Humahuaca to Aparzo, Jujuy Province. 3700M. Wild. Seed.
473139. Oka 4452. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72247. Collected March 29, 1972. Pucara, Jujuy Province. 3700M. Wild. Seed.
473140. Oka 4460. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72254. Collected March 1972. Palca de Aparzo, Jujuy Province. 3800M. Wild. Seed.
473141. Oka 4506. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72297. Collected April 03, 1972. Sierra Alta, ravine from Soledad, Jujuy Province. 3660M. Wild. Seed.
473142. Oka 4509. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72300. Collected April 03, 1972. Sierra Alta, ravine from Soledad, Jujuy Province. 3200M. Wild. Seed.
473143. Oka 4512. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72303. Collected April 03, 1972. Sierra Alta, ravine from Soledad, Jujuy Province. 3300M. Wild. Seed.
473144. Oka 4514. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72305. Collected April 03, 1972. Sierra Alta, ravine from Soledad, Jujuy Province. 3300M. Wild. Seed.
473145. Oka 4515. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72306. Collected April 03, 1972. Sierra Alta, ravine from Soledad, Jujuy Province. 3300M. Wild. Seed.
473146. Oka 4520. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72311. Collected April 03, 1972. Sierra Alta, ravine from Soledad, Jujuy Province. 3300M. Wild. Seed.
473147. Oka 4524. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72315. Collected April 03, 1972. Sierra Alta, ravine from Soledad, Jujuy Province. 3300M. Wild. Seed.

473109 TO 473165-continued

473148. Oka 4567. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72352. Collected April 10, 1972. Route nacional 9, between Esquina Blanca and Tres Cruces, Jujuy Province. 3700M. Wild. Seed.
473149. Oka 4569. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72354. Collected April 10, 1972. Cuesta Azul Pampa, Jujuy Province. 3700M. Wild. Seed.
473150. Oka 4573. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72358. Collected April 11, 1972. Northeast, 14km from Iturbe, Jujuy Province. 3700M. Wild. Seed.
473151. Oka 5495. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74152. Collected April 02, 1974. West, 27km from Santa Catalina, Jujuy Province. 3900M. Wild. Seed.
473152. Oka 5526. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74179. Collected April 02, 1974. Salveayoc, 5km southwest of Rinconada, Jujuy Province. 4000M. Wild. Seed.
473153. Oka 5772. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74394. Collected April 19, 1974. Southwest, 3km from Timon Cruz, Jujuy Province. 4140M. Wild. Seed.
473154. Oka 5774. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74396. Collected April 19, 1974. West, 1 km from Oros, Jujuy Province. 4000M. Wild. Seed.
473155. Oka 5775. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74397. Collected April 19, 1974. West, 3km from Oros, Jujuy Province. 3980M. Wild. Seed.
473156. Oka 5776. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74398. Collected April 19, 1974. West, 4km from Oros, Jujuy Province. 3940M. Wild. Seed.
473157. Oka 5782. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74403. Collected April 19, 1974. West, 4km from Oros, Jujuy Province. 3840M. Wild. Seed.
473158. Oka 5839. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74450. Collected April 22,

473109 TO 473165-continued

1974. On the way from Lizoite, Salta Province. 3400M. Wild. Seed.
473159. Oka 5954. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74504. Collected May 01, 1974. Sierra de Cochinoa, Jujuy Province. 3700M. Wild. Seed.
473160. Oka 5956. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74506. Collected May 01, 1974. Sierra de Cochinoa, Jujuy Province. 3700M. Wild. Seed.
473161. Oka 5957. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74507. Collected May 01, 1974. Sierra de Cochinoa, Jujuy Province. 3700M. Wild. Seed.
473162. Oka 5996. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74545. Collected May 04, 1974. Liviara, on the way from Orosmayo, Jujuy Province. 4100M. Wild. Seed.
473163. Oka 6734. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7812. Collected 1978. Jujuy Province. Wild. Seed.
473164. Oka 6737. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7815. Collected 1978. Jujuy Province. Wild. Seed.
473165. Oka 6758. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7833. Collected 1978. Jujuy Province. Wild. Seed.

473166 TO 473180. *Solanum microdontum* Bitt. (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria, Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

473166. Hof 2075. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71344. Collected March 28, 1971. On the way from Santa Cruz to Santa Victoria, Salta Province. 2750M. Wild. Seed.
473167. Oka 4480. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72272. Collected April 01, 1972. Santa Cruz, Salta Province. 3000M. Wild. Seed.
473168. Oka 4897. Argentina. Balcarce. INTA Estacion

473166 TO 473180-continued

- Experimental de Balcarce. BAL 7385. Collected April 02, 1973. Ravine from Escoipe, Salta Province. 1800M. Wild. Seed.
473169. Oka 5452. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74118. Collected March 30, 1974. La Huerta, Salta Province. 2900M. Wild. Seed.
473170. Oka 5614. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74258. Collected April 05, 1974. Ravine of the Toro, Salta Province. 1600M. Wild. Seed.
473171. Oka 5623. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74265. Collected April 08, 1974. Ravine from Escoipe, Salta Province. 1720M. Wild. Seed.
473172. Oka 5893. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74477. Collected April 25, 1974. Ravine Quenoal, Santa Cruz, Salta Province. 2900M. Wild. Seed.
473173. Oka 5902. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74481. Collected April 26, 1974. Santa Cruz, Salta Province. 2900M. Wild. Seed.
473174. Oka 5912. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74490. Collected April 26, 1974. Ravine from Santa Cruz, Salta Province. 3200M. Wild. Seed.
473175. Oka 5913. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74491. Collected April 26, 1974. Ravine from Santa Cruz, Salta Province. 3100M. Wild. Seed.
473176. Oka 5918. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74496. Collected April 26, 1974. Ravine, 600m above the ravine Yahuaico, Salta Province. 3160M. Wild. Seed.
473177. Oka 5928. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74503. Collected April 27, 1974. Ravine Quenoal, Salta Province. 3000M. Wild. Seed.
473178. Oka 6092. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7537. Collected March 17, 1974. North, 10km from Las Juntas, Catamarca Province. 1650M. Wild. Seed.
473179. Oka 6326. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 76138. Collected May 07,



**473166 TO 473180-continued**

1976. Path from San Felipe to Trigohuaico, Salta Province.  
3000M. Wild. Seed.

- 473180.** Oka 6327. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 76139. Collected May 07, 1976. Path from San Felipe to Trigohuaico, Salta Province. 3000M. Wild. Seed.

**473181 TO 473199. Solanum oplocense Hawkes (Solanaceae).**

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria, Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

- 473181.** Oka 3831. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7187. Collected April 02, 1971. Ravine from Soledad, 10km west of Humahuaca, Jujuy Province. 3250M. Wild. Seed.
- 473182.** Oka 3946. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71154. Collected April 07, 1971. Unopujito, Jujuy Province. 3700M. Wild. Seed.
- 473183.** Oka 3949. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71157. Collected April 07, 1971. Unopujito, near El Angosto, Jujuy Province. 3700M. Wild. Seed.
- 473184.** Oka 3958. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71163. Collected April 07, 1971. Unopujito, Jujuy Province. 3700M. Wild. Seed.
- 473185.** Oka 3967. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71170. Collected April 07, 1971. Unopujito, Jujuy Province. 3700M. Wild. Seed.
- 473186.** Oka 4498. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72289. Collected April 03, 1972. Ravine from Soledad, 12km west to Humahuaca, Jujuy Province. 3300M. Wild. Seed.
- 473187.** Oka 4499. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72290. Collected April 03, 1972. Sierra Alta, ravine from Soledad, Jujuy Province. 3300M. Wild. Seed.
- 473188.** Oka 4500. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72291. Collected April 03, 1972. Sierra Alta, ravine from Soledad, Jujuy Province. 3300M. Wild. Seed.

473181 TO 473199-continued

473189. Oka 5476. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74134. Collected March 30, 1974. North, 5km of Yavi, Yavi Chico, Jujuy Province. 3400M. Wild. Seed.
473190. Oka 5477. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74135. Collected March 30, 1974. North, 5km of Yavi, Yavi Chico, Jujuy Province. 3400M. Wild. Seed.
473191. Oka 5478. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74136. Collected March 30, 1974. North, 5km of Yavi, Yavi Chico, Jujuy Province. 3400M. Wild. Seed.
473192. Oka 5501. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74158. Collected April 02, 1974. West, 30km of Santa Catalina near El Angosto, Jujuy Province. 3800M. Wild. Seed.
473193. Oka 5503. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74160. Collected April 02, 1974. West, 30km of Santa Catalina, road to El Angosto, Jujuy Province. 3800M. Wild. Seed.
473194. Oka 5504A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74161A. Collected April 02, 1974. West, 30km of Santa Catalina, road to El Angosto, Jujuy Province. 3750M. Wild. Seed.
473195. Oka 5507. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74164. Collected April 02, 1974. West, 30km from Santa Catalina, road to El Angosto, Jujuy Province. 3800M. Wild. Seed.
473196. Oka 6181. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 762. Collected April 17, 1976. Yavi, Jujuy Province. 3440M. Wild. Seed.
473197. Oka 6185. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 765. Collected April 17, 1976. La Cueva, ravine of the Rio Yavi, Yavi, Jujuy Province. 3440M. Wild. Seed.
473198. Oka 6190. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 769. Collected April 17, 1976. La Cueva, ravine of the Rio Yavi, Yavi, Jujuy Province. 2880M. Wild. Seed.
473199. Oka 6191. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7610. Collected April 17, 1976. La Cueva, ravine of the Rio Yavi, Yavi, Jujuy

473181 TO 473199-continued

Province. 2780M. Wild. Seed.

473200. *Solanum sanctae-rosae* Hawkes (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria, Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

Oka 5697. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74326. Collected April 11, 1974. Route 307, 83km between Infiernillos and Tafi del Valle, Tucuman Province. 2940M. Wild. Seed.

473201 TO 473215. *Solanum* sp. (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria, Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

473201. Hof 1874. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL. Collected March 06, 1971. West, 14.5km from Santa Victoria, Salta Province. 2530M. Wild. Seed.

473202. Hof 1875. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71280. Collected March 06, 1971. West, 13km from Santa Victoria road to La Quiaca, Salta Province. 2830M. Wild. Seed.

473203. Oka 4372. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72173. Collected March 21, 1972. Huairahuasi, Jujuy Province. 3200M. Wild. Seed.

473204. Oka 4374. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72175. Collected March 21, 1972. Huairahuasi, Jujuy Province. 3200M. Wild. Seed.

473205. Oka 4375. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72176. Collected March 21, 1972. Huairahuasi, Jujuy Province. 3195M. Wild. Seed.

473206. Oka 4381. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72182. Collected March 22, 1972. Piscuno, Jujuy Province. 3100M. Wild. Seed.

473207. Oka 4396. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72197. Collected March 22, 1972. Piscuno, Jujuy Province. 3100M. Wild. Seed.

473201 TO 473215-continued

473208. Oka 4407. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72205. Collected March 24, 1972. Encrucijada, Jujuy Province. 2750M. Wild. Seed.
473209. Oka 4849. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7339. Collected March 24, 1973. Cuesta del Obispo, La Herradura, Salta Province. 3300M. Wild. Seed.
473210. Oka 4905. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7392. Collected April 03, 1973. Cuesta del Obispo, Posta La Cochera, Salta Province. 3400M. Wild. Seed.
473211. Oka 4906. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7393. Collected April 03, 1973. Cuesta del Obispo, Salta Province. 3640M. Wild. Seed.
473212. Oka 4911. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7396. Collected April 04, 1973. Route nacional 59, km 56, Cuesta del Obispo, Salta Province. 2900M. Wild. Seed.
473213. Oka 4913. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7397. Collected April 04, 1973. Route nacional 59, km 56, Cuesta del Obispo, Salta Province. 3000M. Wild. Seed.
473214. Oka 4915. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7399. Collected April 04, 1973. Route nacional 59, km 58, Salta Province. 3300M. Wild. Seed.
473215. Oka 4917. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 73101. Collected April 04, 1973. Arriba, 14km from the foot of Cuesta del Obispo, Salta Province. 3400M. Wild. Seed.

473216 TO 473245. *Solanum tarijense* Hawkes (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria, Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

473216. Hof 1713. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7064. Collected 1970. Trancas del Valle Delgado, Salta Province. 3100M. Wild. Seed.

473216 TO 473245-continued

473217. Hof 1717. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7067. Collected 1970. Rio Nazaneno, Salta Province. 2550M. Wild. Seed.
473218. Hof 1876A. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71282A. Collected March 07, 1971. Santa Victoria, Salta Province. 2200M. Wild. Seed.
473219. Hof 1870. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71367. Collected March 06, 1971. Rodeo Pampa between Santa Victoria and Abra de Lizoite, Salta Province. 2850M. Wild. Seed.
473220. Oka 5632. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74271. Collected April 08, 1974. Above de Escoipe, 2km, Route national 59, Salta Province. 2100M. Wild. Seed.
473221. Oka 5633E. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74272B. Collected April 08, 1974. Above de Escoipe, 2km, Route national 59, Salta Province. 2150M. Wild. Seed.
473222. Oka 5634. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74273. Collected April 08, 1974. Above de Escoipe, 2km, Route national 59, Salta Province. 2100M. Wild. Seed.
473223. Oka 5873. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74459. Collected April 23, 1974. Ravine of the Rio Negrohuaico, Santa Victoria, Salta Province. 2560M. Wild. Seed.
473224. Oka 5874. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74460. Collected April 24, 1974. Ravine of the Rio Acoite, Santa Victoria, Salta Province. 2560M. Wild. Seed.
473225. Oka 5876. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74461. Collected April 24, 1974. Ravine of the Rio Acoite, Santa Victoria, Salta Province. 2710M. Wild. Seed.
473226. Oka 5877. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74462. Collected April 24, 1974. Ravine of the Rio Acoite, Santa Victoria, Salta Province. 2710M. Wild. Seed.
473227. Oka 5878. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74463. Collected April 24, 1974. Ravine of the Rio Acoite, Santa Victoria, Salta Province. 2660M. Wild. Seed.

473216 TO 473245-continued

473228. Oka 5879. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74464. Collected April 24, 1974. Ravine of the Rio Acoite, Santa Victoria, Salta Province. 2690M. Wild. Seed.
473229. Oka 5880. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74465. Collected April 24, 1974. Ravine of the Rio Acoite, Santa Victoria, Salta Province. 2790M. Wild. Seed.
473230. Oka 5881. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74466. Collected April 24, 1974. Ravine of the Rio Acoite, Santa Victoria, Salta Province. 2790M. Wild. Seed.
473231. Oka 5882. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74467. Collected April 24, 1974. Ravine of the Rio Negrohuaico, Santa Victoria, Salta Province. 2960M. Wild. Seed.
473232. Oka 5883. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74468. Collected April 24, 1974. Ravine of the Rio Negrohuaico, Santa Victoria, Salta Province. 2960M. Wild. Seed.
473233. Oka 5884. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74469. Collected April 24, 1974. Ravine of the Rio Negrohuaico, Santa Victoria, Salta Province. 2950M. Wild. Seed.
473234. Oka 5886. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74471. Collected April 24, 1974. To 50m from mouth of the Rio Santa Victoria, Santa Victoria, Salta Province. 2560M. Wild. Seed.
473235. Oka 5887. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74472. Collected April 24, 1974. To 10m from mouth of the Rio Negrohuaico, Santa Victoria, Salta Province. 2560M. Wild. Seed.
473236. Oka 5888. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74473. Collected April 24, 1974. To 10m from mouth of the Rio Negrohuaico, Santa Victoria, Salta Province. 2560M. Wild. Seed.
473237. Oka 5889. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74474. Collected April 24, 1974. Mouth of Rio Negrohuaico by the Rio Santa Victoria, Santa Victoria, Salta. 2560M. Wild. Seed.
473238. Oka 5890. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74475. Collected April 24,

473216 TO 473245-continued

1974. Mouth of the Rio Negrohuaico by the Rio Santa Victoria, Santa Victoria, Salta. 2560M. Wild. Seed.

473239. Oka 5891. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74476. Collected April 25, 1974. Santa Victoria, Salta Province. 2560M. Wild. Seed.

473240. Oka 6232. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7648. Collected April 21, 1976. Path from Santa Victoria to Papachicra, Salta Province. 2560M. Wild. Seed.

473241. Oka 6233. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7649. Collected April 21, 1976. Santa Victoria, Salta Province. 2600M. Wild. Seed.

473242. Oka 6234. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7650. Collected April 21, 1976. Path from Santa Victoria to Papachicra, Salta Province. 2900M. Wild. Seed.

473243. Oka 6238. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7653. Collected April 22, 1976. Path from Santa Victoria to Corral Blanco, Salta Province. 2700M. Wild. Seed.

473244. Oka 6239. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7654. Collected April 22, 1976. Path from Santa Victoria to Corral Blanco, Salta Province. 2200M. Wild. Seed.

473245. Oka 6320. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 76132. Collected 1976. Santa Victoria, Salta Province. 2500M. Wild. Seed.

473246 TO 473302. *Solanum tuberosum* subsp. *andigena* (Juz. & Buk.) Hawkes (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria, Instituto Nacional de Tecnologia Agropecuaria, 7620 - Balcarce.  
Received March 1982.

473246. Hof 1552. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 707. Collected 1970. La Golgota, Salta Province. 2350M. Wild. Seed.

473247. Oka 3872. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71103. Collected April 04, 1971. Condorhuasi, Jujuy Province. 3550M. Local name Papa criolla. Wild. Seed.

473246 TO 473302-continued

473248. Oka 3877. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71104. Collected April 04, 1971. Condorhuasi, Jujuy Province. 3550M. Local name Papa criolla. Wild. Seed.
473249. Oka 3888. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71110. Collected April 05, 1971. Tafna, Jujuy Province. 3590M. Local name Papa criolla. Wild. Seed.
473250. Oka 3937. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71145. Collected April 06, 1971. Near El Angosto, 30km west of Santa Catalina, Jujuy Province. 3800M. Local name Collareja. Wild. Seed.
473251. Oka 3938. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71146. Collected April 08, 1971. Lagunillas, Jujuy Province. 4000M. Local name Papa blanca. Wild. Seed.
473252. Oka 3939. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71147. Collected April 08, 1971. Lagunillas, Jujuy Province. 4000M. Wild. Seed.
473253. Oka 3943. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71151. Collected April 06, 1971. Unopujito, near El Angosto, Jujuy Province. 3800M. Wild. Seed.
473254. Oka 3996. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71192. Collected April 08, 1971. Lagunillas, Jujuy Province. 4000M. Local name Runa. Wild. Seed.
473255. Oka 3997. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71193. Collected April 08, 1971. Lagunillas, Jujuy Province. 4000M. Local name Colluma. Wild. Seed.
473256. Oka 3998. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71194. Collected April 08, 1971. Lagunillas, Jujuy Province. 4000M. Local name Papa quipa. Wild. Seed.
473257. Oka 4045. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71226. Collected April 17, 1971. Puerta de Tomayos, Salta Province. 3480M. Local name Papa blanca. Wild. Seed.
473258. Oka 4055. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71232. Collected April 20, 1971. Northwest, 14km of Cachi, Salta Province. 2640M.



473246 TO 473302-continued

Local name Morada or Cuarentona. Wild. Seed.

473259. Hof 2010. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71314. Collected March 25, 1971. Puesto, Salta Province. 2650M. Wild. Seed.
473260. Hof 2065. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71335. Collected March 27, 1971. Santa Cruz, Salta Province. 2800M. Local name Astillita. Wild. Seed.
473261. Hof 2066. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71336. Collected March 27, 1971. Santa Cruz, Salta Province. 2800M. Local name Cuarentona. Wild. Seed.
473262. Hof 2068. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71338. Collected March 27, 1971. Salta Province. 2800M. Local name Negra ojosa or overa. Wild. Seed.
473263. Hof 2071. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71341. Collected March 27, 1971. Santa Cruz, Salta Province. 2800M. Local name Runa Condorilla. Wild. Seed.
473264. Hof 1731. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 71375. Collected March 1971. Portillo, Salta Province. 3000M. Local name Collareja. Wild. Seed.
473265. Oka 4296. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7297. Collected March 15, 1972. Casa Colorada, Jujuy Province. 3200M. Local name Collareja. Wild. Seed.
473266. Oka 4311. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72112. Collected March 16, 1972. La Cienaga, Jujuy Province. 2800M. Local name Papa blanca. Wild. Seed.
473267. Oka 4545. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72332. Collected April 06, 1972. Route prov 14, Sierra Alta, Jujuy Province. 3400M. Wild. Seed.
473268. Oka 4827. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7319. Collected March 21, 1973. Northwest, 2km of Las Cuevas, Salta Province. 3200M. Wild. Seed.
473269. Oka 4828. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7320. Collected March 21,

473246 TO 473302-continued

1973. Route 51, 2km NW of Las Cuevas, Salta Province.  
3200M. Wild. Seed.
473270. Oka 4890. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7378. Collected March 30,  
1973. Sierra de la Cobres, Salta Province. 3740M. Wild.  
Seed.
473271. Oka 5406. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7483. Collected March 27,  
1974. Colansuli, between Iturbe and Iruya, Salta Province.  
3540M. Wild. Seed.
473272. Oka 5415. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7491. Collected March 27,  
1974. Colansuli, between Iturbe and Iruya, Salta Province.  
3540M. Wild. Seed.
473273. Oka 5416. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7492. Collected March 27,  
1974. Colansuli, between Iturbe and Iruya, Salta Province.  
3500M. Wild. Seed.
473274. Oka 5417. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 7493. Collected March 28,  
1974. Iruya, Salta Province. 2730M. Wild. Seed.
473275. Oka 5425. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 74100. Collected March 28,  
1974. Yavi, Jujuy Province. 3500M. Wild. Seed.
473276. Oka 5486. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 74144. Collected April 01,  
1974. La Cienaga, 12km west of La Quiaca by route prov 5,  
Jujuy Province. 3600M. Wild. Seed.
473277. Oka 5493. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 74150. Collected April 01,  
1974. Roadside, Rio de la Frontera, Condorhuasi, Jujuy  
Province. 3550M. Wild. Seed.
473278. Oka 5502. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 74159. Collected April 02,  
1974. West, 30km of Santa Catalina, Jujuy Province. 3800M.  
Wild. Seed.
473279. Oka 5536. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 74188. Collected April 03,  
1974. Saladillo road, Abra de Pibes, Jujuy Province.  
3500M. Wild. Seed.
473280. Oka 5546. Argentina. Balcarce. INTA Estacion  
Experimental de Balcarce. BAL 74197. Collected April 03,

473246 TO 473302-continued

1974. El Moreno, Jujuy Province. 3480M. Wild. Seed.
473281. Oka 5552. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74203. Collected April 03, 1974. Tumbaya, El Moreno, Jujuy Province. 3480M. Wild. Seed.
473282. Oka 5553. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74204. Collected April 04, 1974. Sierra de Cobres, Matancillas, Salta Province. 3600M. Wild. Seed.
473283. Oka 5556. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74207. Collected April 04, 1974. Matancillas, Salta Province. 3600M. Wild. Seed.
473284. Oka 5603. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74249. Collected April 05, 1974. El Munal, 8km northwest of Las Cuevas, Salta Province. 3700M. Wild. Seed.
473285. Oka 5654. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74288. Collected April 09, 1974. Palermo, 27km north of Cachi, Salta Province. 2700M. Wild. Seed.
473286. Oka 5655. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74289. Collected April 09, 1974. Palermo, 27km north of Cachi, Salta Province. 2700M. Wild. Seed.
473287. Oka 5666. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74298. Collected April 09, 1974. La Poma, Salta Province. 3015M. Wild. Seed.
473288. Oka 5673. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74305. Collected April 09, 1974. La Poma, Salta Province. 3015M. Wild. Seed.
473289. Oka 5676. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74308. Collected April 10, 1974. Ravine of the Arcas, 14km northwest of Cachi, Salta Province. 2640M. Wild. Seed.
473290. Oka 5684. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74315. Collected April 10, 1974. Fuerte Alto, 10km west of Cachi, Salta Province. 4400M. Wild. Seed.
473291. Oka 5686. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74316. Collected April 10, 1974. Fuerte Alto, 10km west of Cachi, Salta Province. 2400M. Wild. Seed.

473246 TO 473302-continued

473292. Oka 5730. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74355. Collected April 17, 1974. Sansana Norte, 4.5km west of La Quiaca, Jujuy Province. 3500M. Wild. Seed.
473293. Oka 5739. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74364. Collected April 17, 1974. Yavi Chico, 5km north of Yavi, Jujuy Province. 3400M. Wild. Seed.
473294. Oka 6182. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 763. Collected April 17, 1976. Yavi, Jujuy Province. 3440M. Wild. Seed.
473295. Oka 6188. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 767. Collected April 17, 1976. La Cueva Ravine from Rio Yavi, Jujuy Province. 3440M. Wild. Seed.
473296. Oka 6197. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7614. Collected April 17, 1976. Yavi, Jujuy Province. 3440M. Wild. Seed.
473297. Oka 6204. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7620. Collected April 17, 1976. Yavi, Jujuy Province. 3440M. Wild. Seed.
473298. Oka 6218. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7634. Collected April 19, 1976. Yavi, Jujuy Province. 3440M. Wild. Seed.
473299. Oka 6248. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 7663. Collected April 22, 1976. La Falda, Salta Province. 3300M. Wild. Seed.
473300. Oka 6298. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 76111. Collected May 01, 1976. Trigohuaico, Salta Province. 3400M. Wild. Seed.
473301. Oka 6339. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 76151. Collected May 07, 1976. San Marcos, Salta Province. 3500M. Wild. Seed.
473302. Oka 6366. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 76178. Collected May 07, 1976. San Marcos, Salta Province. 3500M. Wild. Seed.

473303 TO 473312. *Solanum vernei* Bitt. & Wittm. ex Engl. (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental Regional Agropecuaria, Instituto Nacional de Tecnologia

**473303 TO 473312-continued**

Agropecuaria, 7620 - Balcarce.

Received March 1982.

473303. Oka 4366. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72167. Collected March 21, 1972. Huairahuasi, Jujuy Province. 3200M. Wild. Seed.
473304. Oka 4367. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72168. Collected March 21, 1972. Huairahuasi, Jujuy Province. 3200M. Wild. Seed.
473305. Oka 4397. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 72198. Collected March 23, 1972. Piscuno, Jujuy Province. 3200M. Wild. Seed.
473306. Oka 5650. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74285. Collected April 08, 1974. Cuesta del Obispo, Route nactional 59, 57km, Salta Province. 3000M. Wild. Seed.
473307. Oka 5701. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74329. Collected April 11, 1974. Route 307, 83km, Tucuman Province. 2900M. Wild. Seed.
473308. Oka 5702. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74330. Collected April 11, 1974. Route 307, 83km, Tucuman Province. 2900M. Wild. Seed.
473309. Oka 5917. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74495. Collected April 26, 1974. Above the ravine Yahuaico, 400m, Salta Province. 3140M. Wild. Seed.
473310. Oka 5923. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74498. Collected April 26, 1974. North, 7km of Santa Cruz, through the ravine of Santa Cruz, Salta Province. 3280M. Wild. Seed.
473311. Oka 5927. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 74502. Collected April 26, 1974. Ravine of Santa Cruz, 10km north of Santa Cruz, Salta Province. 3300M. Wild. Seed.
473312. Oka 6881. Argentina. Balcarce. INTA Estacion Experimental de Balcarce. BAL 78148. Collected 1978. Salta Province. Wild. Seed.

**473313 TO 473329. Solanum acaule Bitter (Solanaceae).**

From United Kingdom. J. G. Hawkes, Department of Plant Biology,

473313 TO 473329-continued

University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb & Z. Huaman. Received March 1982.

473313. HHCH 4116. Peru. Collected January 10, 1971. Juliaca, Puno Department. 3825M. Wild. Seed.
473314. HHCH 4236. Bolivia. Collected January 23, 1971. Banos de Viscachani, Aroma Province. 3800M. Wild. Seed.
473315. HHCH 4243. Bolivia. Collected January 26, 1971. Koari, 87km from Cochabamba on road to Santa Cruz, Arani Province. 3550M. Wild. Seed.
473316. HHCH 4246. Bolivia. Collected January 26, 1971. Koari, 87km from Cochabamba on road to Santa Cruz, Arani Province. 3550M. Wild. Seed.
473317. HHCH 4271. Bolivia. Collected January 27, 1971. Road from Quillacollo to Morachata, 28km, Quillacollo Province. 4000M. Wild. Seed.
473318. HHCH 4324. Bolivia. Collected February 01, 1971. Road from Potosi to Camargo, 126km, Nor Cinti Province. 3500M. Wild. Seed.
473319. HHCH 4582. Bolivia. Collected March 03, 1971. Road to Potosi, 160km from Sucre, Frias Province. 3925M. Wild. Seed.
473320. HHCH 4587. Bolivia. Collected March 07, 1971. One km above road to Lecherias, Frias Province. 3950M. Wild. Seed.
473321. HHCH 4588. Bolivia. Collected March 07, 1971. Road to Lecherias, 0.5km below Potosi, Frias Province. 3950M. Wild. Seed.
473322. HHCH 4702. Bolivia. Collected March 14, 1971. Road to Villazon, 30km from Iscayachi, Avilez Province. 3700M. Wild. Seed.
473323. HHCH 4842. Bolivia. Collected March 26, 1971. La Paz municipal cemetery, Murillo Province. 3800M. Wild. Seed.
473324. HHCH 4848. Bolivia. Collected March 28, 1971. Comanche hill, road from Viacha to Corocoro, Pacajes Province. 4100M. Wild. Seed.
473325. HHCH 4854. Bolivia. Collected March 28, 1971. Beyond Caquiaveri, 2km, on road to Rio Desaguadero, Pacajes Province. 4050M. Wild. Seed.

473313 TO 473329-continued

473326. HHCH 5052. Bolivia. Collected April 05, 1971. Ruins of Tiahuanaco. Ingavi Province. 3900M. Wild. Seed.
473327. HHCH 5071. Peru. Collected April 06, 1971. Road from Juliaca to Huancane, 1 km past Taraco, Puno Province. 3950M. Wild. Seed.
473328. HHCH 5075. Peru. Collected April 07, 1971. Sillustani, Puno Province. 3900M. Wild. Seed.
473329. HHCH 5081. Peru. Collected April 08, 1971. From Santa Rosa, 17km before Aguas Calientes, Melgar Province. 4175M. Wild. Seed.

473330 TO 473340. *Solanum berthaultii* Hawkes (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

473330. HHCH 4422. Bolivia. Collected February 15, 1971. Road from Parotani, 2km past Itapaya, Capinota Province. 2400M. Wild. Seed.
473331. HHCH 4531c. Bolivia. Collected March 02, 1971. San Pedro hill, near Cochabamba Botanic Gardens, Cercado Province. 2550M. Wild. Seed.
473332. HHCH 4538. Bolivia. Collected March 04, 1971. Tambakasa, 16km from Sucre on Zudanez road, Oropesa Province. 2850M. Wild. Seed.
473333. HHCH 4543. Bolivia. Collected March 04, 1971. Road from Sucre to Zudanez, 96km, Yamparaez Province. 2400M. Wild. Seed.
473334. HHCH 4562. Bolivia. Collected March 06, 1971. Road from Sucre to Potosi, 14.5km from Sucre, Oroneza Province. 2500M. Wild. Seed.
473335. HHCH 4570. Bolivia. Collected March 06, 1971. Road from Sucre to Potosi, 29.5km from Sucre, H. Giles Province. 2800M. Wild. Seed.
473336. HHCH 4574. Bolivia. Collected March 06, 1971. Retreat, 84km from Sucre on road to Potosi, Saavedra Province. 2750M. Wild. Seed.
473337. HHCH 4727. Bolivia. Collected March 17, 1971. Above

473330 TO 473340-continued

retreat 4km, 87km from Sucre on road to Potosi, Saavedra Province. 3100M. Wild. Seed.

473338. HHCH 4728. Bolivia. Collected March 17, 1971. Above retreat 4km, 87km from Sucre on road to Potosi, Saavedra Province. 3100M. Wild. Seed.

473339. HHCH 4729. Bolivia. Collected March 17, 1971. On road to Potosi, 42km from Sucre, H. Giles Province. 2700M. Wild. Seed.

473340. HHCH 4746. Bolivia. Collected March 08, 1971. On Cochabamba road at Serpas, 30km from Sucre, Oroneza Province. 2050M. Wild. Seed.

473341 TO 473349. *Solanum canasense* Hawkes (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

473341. HHCH 5026a. Bolivia. Collected April 02, 1971. Aranjues, 1 km below Calacoto, Murillo Province. 3300M. Wild. Seed.

473342. HHCH 5026b. Bolivia. Collected April 02, 1971. Aranjues, 1 km below Calacoto, Murillo Province. 3300M. Wild. Seed.

473343. HHCH 5027. Bolivia. Collected April 02, 1971. Mallacilla, 2km below Calacoto on road to El Alto, Murillo Province. 3400M. Wild. Seed.

473344. HHCH 5028. Bolivia. Collected April 02, 1971. Orejuyo, Murillo Province. 3650M. Wild. Seed.

473345. HHCH 5063b. Peru. Collected April 06, 1971. Parcialidad Huaraya, Huerta farm, Herrera-pata, Puno Province. 3950M. Wild. Seed.

473346. HHCH 5064a. Peru. Collected April 06, 1971. Huerta farm, 6km from Puno, Puno Province. 3900M. Wild. Seed.

473347. HHCH 5087. Peru. Collected April 08, 1971. Ruins of Viracocha at Raqchi, near San Pedro, Cuzco Department. 3550M. Wild. Seed.

473348. HHCH 5107. Peru. Collected April 10, 1971. Road to Pisac, 9km past Calca, Cuzco Department. 3000M. Wild. Seed.

473349. HHCH 5112. Peru. Collected April 11, 1971. Ruins of



473341 TO 473349-continued

Pisac, Calca Province. 3300M. Wild. Seed.

473350. *Solanum chacoense* Bitter (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

HHCH 4736. Bolivia. Collected March 18, 1971. Road to Epizana, 192km from Sucre, Mizque Province. 2650M. Wild. Seed.

473351. *Solanum lignicaule* Vargas (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

HHCH 5113. Peru. Collected April 11, 1971. Ruins of Pisac, Calca Province. 3300M. Wild. Seed.

473352 TO 473355. *Solanum lobbianum* f. *multidissectum* (Hawkes) Corr. (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

473352. HHCH 5082. Peru. Collected April 08, 1971. Between Santa Rosa and Aguas Calientes, near Araranca, Melgar Province. 4175M. Wild. Seed.

473353. HHCH 5088. Peru. Collected April 08, 1971. Ruins of Viracocha at Raqchi, near San Pedro, Cuzco Department. 3550M. Wild. Seed.

473354. HHCH 5226. Peru. Collected April 18, 1971. Road to Andahuaylas, 108km from Abancay, Andahuaylas Province. 3900M. Wild. Seed.

473355. HHCH 5233. Peru. Collected April 18, 1971. Ayacucho road, 73km from Chinceros above Ocros, Cangallo Province. 3800M. Wild. Seed.

**473356 TO 473361. *Solanum megistacrolobum* Bitter (Solanaceae).**

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

- 473356. HHCH 4317. Bolivia. Collected January 31, 1971. Road to Lecherias, below Potosi, Frias Province. 3950M. Wild. Seed.
- 473357. HHCH 4323. Bolivia. Collected February 01, 1971. Near Padcoyo, 126km on road from Potosi to Camargo, Nor Cinti Province. 3500M. Wild. Seed.
- 473358. HHCH 4589. Bolivia. Collected March 07, 1971. Road to Lecherias, 0.5km below Potosi, Frias Province. 3950M. Wild. Seed.
- 473359. HHCH 4590. Bolivia. Collected March 07, 1971. Road to Lecherias, 0.7km below Potosi, Frias Province. 3950M. Wild. Seed.
- 473360. HHCH 4853. Bolivia. Collected March 28, 1971. Four km past Caquiaveri, on road to Rio Desaguadero, Pacajes Province. 4000M. Wild. Seed.
- 473361. HHCH 5058. Bolivia. Collected April 05, 1971. Road to Puno, 31km from Desaguadero, Chucuito Province. 3950M. Wild. Seed.

**473362 TO 473363. *Solanum microdontum* Bitt. (Solanaceae).**

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

- 473362. HHCH 4359. Bolivia. Collected February 07, 1971. Siberia, La Fortaleza, Valle Grande Province. 2550M. Wild. Seed.
- 473363. HHCH 4737. Bolivia. Collected March 18, 1971. Santa Cruz road, 107km from Cochabamba, Carrasco Province. 3025M. Wild. Seed.

**473364 TO 473368. *Solanum oplocense* Hawkes (Solanaceae).**

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code

**473364 TO 473368-continued**

numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman.  
Received March 1982.

- 473364. HHCH 4333. Bolivia. Collected February 03, 1971. Road from Potosi to Oruro, 2km before Tarapaya, Frias Province. 3500M. Wild. Seed.
- 473365. HHCH 4565. Bolivia. Collected March 06, 1971. Road from Sucre to Potosi, 19km just past Yotala, H. Giles Province. 2575M. Wild. Seed.
- 473366. HHCH 4571. Bolivia. Collected March 06, 1971. Road from Sucre to Potosi, 35km, H. Giles Province. 2650M. Wild. Seed.
- 473367. HHCH 4615. Bolivia. Collected March 09, 1971. Muyuquiri, 161km on road from Potosi to Camargo, Nor Cinti Province. 3000M. Wild. Seed.
- 473368. HHCH 4721. Bolivia. Collected March 16, 1971. From Tupiza, 57km, Nor Chicas Province. 3100M. Wild. Seed.

**473369 TO 473371. *Solanum raphanifolium* Cardenas & Hawkes (Solanaceae).**

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman.  
Received March 1982.

- 473369. HHCH 5138. Peru. Collected April 12, 1971. Rumicolca, 25km from Cuzco on road to Puno, Quispicanchi Province. 3200M. Wild. Seed.
- 473370. HHCH 5141. Peru. Collected April 13, 1971. Ruins of Sacsahuaman, Cuzco Province. 2550M. Wild. Seed.
- 473371. HHCH 5211. Peru. Collected April 17, 1971. Abra Soccllaccasa, top before descending to Abancay, Abancay Province. 4050M. Wild. Seed.

**473372. *Solanum santolallae* Vargas (Solanaceae).**

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman.  
Received March 1982.

HHCH 5103. Peru. Collected April 10, 1971. Pillahuata,

473372-continued

Paucartambo Province. 2200M. Wild. Seed.

473373 TO 473385. *Solanum sparsipilum* (Bitt.) Juz. & Buk. (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

- 473373. HHCH 4251. Bolivia. Collected January 27, 1971. Banos de Liriuni, 14km from Quillacollo to Morochata, Quillacollo Prov. 3100M. Wild. Seed.
- 473374. HHCH 4316. Bolivia. Collected January 31, 1971. Lecherias, below Potosi, Frias Province. 3900M. Wild. Seed.
- 473375. HHCH 4418. Bolivia. Collected February 15, 1971. Road from Parotani to Capinota, 1 km past Itapaya, Capinota Province. 2400M. Wild. Seed.
- 473376. HHCH 4428. Bolivia. Collected February 16, 1971. Road to Mizque, 1 km past Arani, Arani Province. 2700M. Wild. Seed.
- 473377. HHCH 4476. Bolivia. Collected February 19, 1971. Tiquipaya, University Farm at La Violeta, Cercado Province. 2550M. Wild. Seed.
- 473378. HHCH 4498. Bolivia. Collected February 26, 1971. Road to Morochata, 14km from Quillacollo, Quillacollo Province. 3150M. Wild. Seed.
- 473379. HHCH 4584. Bolivia. Collected March 07, 1971. Lecherias, below Potosi, Frias Province. 2900M. Wild. Seed.
- 473380. HHCH 4595. Bolivia. Collected March 08, 1971. Road to Oruro, 27km from Potosi, above Tarapaya, Frias Province. 3550M. Wild. Seed.
- 473381. HHCH 4597a. Bolivia. Collected March 08, 1971. Road to Oruro, 30km from Potosi, Frias Province. 3600M. Wild. Seed.
- 473382. HHCH 4597c. Bolivia. Collected March 08, 1971. Road to Oruro, 30km from Potosi, Frias Province. 3600M. Wild. Seed.
- 473383. HHCH 4600. Bolivia. Collected March 08, 1971. Road to Oruro, 56km from Potosi, above Yocalla, Frias Province. 3900M. Wild. Seed.

473373 TO 473385-continued

473384. HHCH 5025. Bolivia. Collected April 02, 1971. La Paz, Sequencoma, Murillo Province. 3325M. Wild. Seed.

473385. HHCH 5152. Peru. Collected April 14, 1971. Urco, road to Urubamba, 3km from Pisac, Cuzco Province. 2850M. Wild. Seed.

473386 TO 473388. *Solanum sparsipilum* var. *llallaguanianum* (Card. & Hawkes) Corr. (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

473386. HHCH 4585a. Bolivia. Collected March 07, 1971. Lecherias, below Potosi, Frias Province. 3900M. Wild. Seed.

473387. HHCH 4594. Bolivia. Collected March 08, 1971. Road to Oruro, 23km from Potosi, near Tarapaya, Frias Province. 3500M. Wild. Seed.

473388. HHCH 4596. Bolivia. Collected March 08, 1971. Road to Oruro, 27km from Potosi, above Tarapaya, Frias Province. 3550M. Wild. Seed.

473389. *Solanum toralapanum* Cardenas & Hawkes (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

HHCH 4758. Bolivia. Farm, Toralapa, 71.5km Cochabamba-Santa Cruz Road, Arani Province. 3500M. Wild. Seed.

473390 TO 473394. *Solanum tuberosum* subsp. *andigena* (Juz. & Buk.) Hawkes (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

473390. HHCH 4311. Bolivia. Collected January 31, 1971. Road to

**473390 TO 473394-continued**

Lecherias, potato field, Frias Province. 3950M. Wild. Seed.

473391. HHCH 4485. Bolivia. Collected February 24, 1971. Road to Oruro, 59km from Cochabamba, Cochabamba Department. 3200M. Wild. Seed.
473392. HHCH 4583. Bolivia. Collected March 07, 1971. Lecherias, below Potosi, Frias Province. 3900M. Wild. Seed.
473393. HHCH 4598. Bolivia. Collected March 08, 1971. Road to Oruro, 30km from Potosi, Frias Province. 3600M. Wild. Seed.
473394. HHCH 4757. Bolivia. Collected March 21, 1971. Before Liriuni, 1.5km, on road from Quillacollo, Quillacollo Province. 3100M. Wild. Seed.

**473395 TO 473398. Solanum violaceimarmoratum Bitter (Solanaceae).**

From United Kingdom. J. G. Hawkes, Department of Plant Biology, University of Birmingham, Birmingham B15 2TT. Code numbers refer to collection by J.G. Hawkes, J.P. Hjerting, P.J. Cribb, and Z. Huaman. Received March 1982.

473395. HHCH 4436. Bolivia. Collected February 17, 1971. Road from Cochabamba to Chapare and Villa Tunari, 104km, Chapare Province. 3025M. Wild. Seed.
473396. HHCH 4474. Bolivia. Collected February 18, 1971. Roadside in Ceja de Montana, 100km Cochabamba-Tunari road, Chapare Province. 3000M. Wild. Seed.
473397. HHCH 5040. Bolivia. Collected April 03, 1971. Road to Coroico, 6km from Unduavi, Nor Yungas Province. 3275M. Wild. Seed.
473398. HHCH 5042. Bolivia. Collected April 03, 1971. Road to Coroico, 10km from Unduavi, Nor Yungas Province. 3225M. Wild. Seed.

**473399. Solanum acaule Bitter (Solanaceae).**

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations. Received May 1982.

Hje 6476. Argentina. Collected April 06, 1979. Towards Santa Victoria, 42km from La Quiaca, Jujuy Province.

473399-continued

4250M. Wild. Seed.

473400. *Solanum acaule* var. *albicans* Ochoa (Solanaceae).

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

EBS 825. Peru. Wild. Seed.

473401. *Solanum brevidens* Phil. (Solanaceae).

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

Diem s.n. . Argentina. Nahuel Huapi National Park, Neuquen Province. Collected by J. Diem. Wild. Seed.

473402 TO 473406. *Solanum chacoense* Bitter (Solanaceae).

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

473402. Weiseth s. Argentina. Collected 1968. Farm, Pampa Grande, Salta Province. 1700M. Collected by H. Weiseth. Wild. Seed.

473403. Hje 6359. Argentina. Collected March 07, 1979. Between Caldera and Carmen, on the way to La Cornisa, Salta Province. 1450M. Wild. Seed.

473404. Hje 6377. Argentina. Collected March 10, 1979. Alto de las Juntas, Route 65, Catamarca Province. 1550M. Wild. Seed.

473405. Hje 6378. Argentina. Collected March 10, 1979. Andalgalá, Route 65, near Arroyo Charquiadero, Catamarca Province. 1400M. Wild. Seed.

473406. Hje 6440. Argentina. Collected April 01, 1979. South of Rumi Punco, 5km, Tucuman Province. 500M. Wild. Seed.

473407. *Solanum colombianum* var.  *trianae* Bitt. (Solanaceae).

From Denmark. J. P. Hjerting, Copenhagen University Botanical

**473407-continued**

Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

Hje 5962. Colombia. Collected April 24, 1974. Road towards El Campenarío, between Tolima and Quindío Departments limits. 3500M. Wild. Seed.

**473408 TO 473412. *Solanum commersonii* Dunal ex Poir. (Solanaceae).**

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

473408. HAW 708. Argentina. Collected March 26, 1958. Estacion Experimental de Balcarce, near La Paja, Buenos Aires Province. 200M. Wild. Seed.

473409. HAW 716. Brazil. Collected April 01, 1958. Rio Grande do Sul, Pelotas, Instituto Agronomico do Sul. Wild. Seed.

473410. HAW 724. Uruguay. Collected April 1958. Aguas Blancas, La Valleja Department. Wild. Seed.

473411. Costa s.n. Brazil. Collected July 1959. Rio Grande do Sul, Piratini. Wild. Seed.

473412. Costa s.n. Brazil. Collected July 01, 1959. Rio Grande do Sul, Pelotas, Instituto Agronomico do Sul. Wild. Seed.

**473413. *Solanum commersonii* f. *malmeanum* (Bitt.) Corr. (Solanaceae).**

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

Costa s.n. Brazil. Collected July 1959. Estado Rio Grande do Sul, Ijuí. Wild. Seed.

**473414. *Solanum infundibuliforme* Phil. (Solanaceae).**

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

Hje 6444. Argentina. Collected April 04, 1979. Road to Tres Cruces, 30km north of Humahuaca, Jujuy Province.



473414-continued

3500M. Wild. Seed.

473415. *Solanum juglandifolium* Humb. & Bonpl. ex Dun. (Solanaceae).

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

Hje 5973. Colombia. Collected April 24, 1974. Towards Cajamarca, 2km from Calarca, Quindio Department. 1940M. Wild. Seed.

473416 TO 473420. *Solanum kurtzianum* Bitter & Wittm. ex Engl. (Solanaceae).

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

473416. Leal 11906. Argentina. El Portez, Mendoza Province. Wild. Seed.

473417. Leal 22696. Argentina. Collected May 11, 1963. Estancia Canota, Mina de Baritina, Mendoza Province. Wild. Seed.

473418. Leal s.n. Argentina. Canota, Mendoza Province. Wild. Seed.

473419. HHR 3383. Argentina. Collected February 03, 1966. Route 40, at km 680 between Campanas and Santa Cruz, Mendoza Province. 1600M. Wild. Seed.

473420. Hje 6316. Argentina. Collected February 26, 1979. On the way to Quebrada del Alvarado, 13km from Route 40, Mendoza Province. 1200-1300M. Wild. Seed.

473421. *Solanum paucijugum* Bitt. (Solanaceae).

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

Hje 5941. Colombia. Collected April 23, 1974. Municipio Soacha, Potrero Las Lagunas, Cundinamarca Department. 3350M. Wild. Seed.

473422. *Solanum pennellii* Correll (Solanaceae).

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

HHCH 4104. Peru. Collected January 02, 1971. Road to Quilca, 6km from Trapiche, Lima Department. 750M. Wild. Seed.

473423. *Solanum sanctae-rosae* Hawkes (Solanaceae).

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

Hje 6347. Argentina. Collected March 03, 1979. Between Tafi del Valle and Infiernillo, 82km, Tucuman Province. 2900M. Wild. Seed.

473424 TO 473427. *Solanum leptophyes* Bitter (Solanaceae).

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

473424. HHR 3512. Argentina. Collected February 16, 1966. San Lucas, Salta Province. 2100M. Wild. Seed.

473425. HHR 3736. Argentina. Collected March 06, 1966. Road from Chachipampa to Amblayo, Salta Province. 3050M. Wild. Seed.

473426. Hje 6331. Argentina. Collected March 03, 1979. Road from Carrizal, 2km before Los Corrales, La Rioja Province. 2000M. Wild. Seed.

473427. Hje 6375. Argentina. Collected March 09, 1979. Catamarca Province. 2700M. Wild. Seed.

473428 TO 473429. *Solanum* sp. (Solanaceae).

From Denmark. J. P. Hjerting, Copenhagen University Botanical Gardens, Copenhagen. Code numbers refer to collector names and designations.

Received May 1982.

473428. HHR 3873. Argentina. Collected March 15, 1966. Road to La Quiaca, 13km from Santa Victoria, above Rodeopampa,

473428 TO 473429-continued

Salta Prov. 3200 M. Wild. Seed.

473429. HHR 3878. Argentina. Collected March 15, 1966. From Santa Victoria, 14.7km, Salta Province. 3350M. Wild. Seed.

473430 TO 473444. *Solanum acaule* Bitter (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C. M. Ochoa.  
Received March 1982.

473430. Och 5106. Peru. Wild. Seed.

473431. Och 7990. Peru. Paru-Paru, Cusco Department. Wild. Seed.

473432. Och 8611. Peru. Malluckahua, Cusco Department. Wild. Seed.

473433. Och 8612. Peru. Malluckahua, Cusco Department. Wild. Seed.

473434. Och 9012. Peru. Huackenton, Apurimac Department. Wild. Seed.

473435. Och 9796. Peru. Pisacalla, Apurimac Department. Wild. Seed.

473436. Och 9829. Peru. Chasqui, Ckasa, Apurimac Department. Wild. Seed.

473437. Och 9834. Peru. Crusvuelta, Ayacucho Department. Wild. Seed.

473438. Och 9835. Peru. Crusvuelta, Ayacucho Department. Wild. Seed.

473439. Och 10112. Peru. Minasckucho, Ayacucho Department. Wild. Seed.

473440. Och 10113. Peru. Minasckucho, Ayacucho Department. Wild. Seed.

473441. Och 11602. Peru. Condorsenca, Pampa Galeras. Wild. Seed.

473442. Och 11603. Peru. Condorsenca, Pampa Galeras. Wild. Seed.

473443. Och 11604. Peru. Yauli, Alturas de Huaymanta, Junin Department. Wild. Seed.

473444. Och 11605. Peru. Marcapata, Cusco Department. Wild. Seed.

473445. *Solanum amabile* Vargas (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C. M. Ochoa.  
Received March 1982.

Och 8083. Peru. Ichucancho, Cusco Department. Wild. Seed.

473446 TO 473453. *Solanum bukasovii* Juz. (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C. M. Ochoa.  
Received March 1982.

473446. Och 8692. Peru. Fundo Miraflores, Cusco Department. Wild. Seed.

473447. Och 8845. Peru. Chala, Arequipa Department. Wild. Seed.

473448. Och 9795. Peru. Pisacalla, Apurimac Department. Wild. Seed.

473449. Och 9802. Peru. Puma pata, Apurimac Department. Wild. Seed.

473450. Och 9962. Peru. Incuyo Yuracihuari, Ayacucho Department. Wild. Seed.

473451. Och 10114. Peru. Cabello Machay, Ayacucho Department. Wild. Seed.

473452. Och 10977. Peru. Wild. Seed.

473453. Och 11058. Peru. Allpachaca, Ayacucho Department. Wild. Seed.

473454 TO 473457. *Solanum canasense* Hawkes (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C. M. Ochoa.  
Received March 1982.

473454. Och 8692. Peru. Fundo Miraflores, Cusco Department. Wild. Seed.

473455. Och 8845. Peru. Chala, Arequipa Department. Wild. Seed.

473456. Och 9795. Peru. Pisacalla, Apurimac Department. Wild. Seed.

473454 TO 473457-continued

473457. Och 9802. Peru. Puna pata, Apurimac Department. Wild. Seed.

473458. *Solanum capsicibaccatum* Cardenas (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C. M. Ochoa.  
Received March 1982.

Och 11915. Bolivia. Collected 1978. Rio Seco near Quime, Inquisive Province. 2900M. Wild. Seed.

473459. *Solanum chiquidenum* Ochoa (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C. M. Ochoa.  
Received March 1982.

Och 11059. Peru. Chungarran, Cajamarca Department. Wild. Seed.

473460. *Solanum chomatophilum* Bitter (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C. M. Ochoa.  
Received March 1982.

Och 11061. Peru. Cutra Cuello, Amazonas Department. Wild. Seed.

473461. *Solanum circaefolium* Bitt. (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C. M. Ochoa.  
Received March 1982.

Och 11909. Bolivia. Collected 1978. Atahualpani near Sorata, Larecaja Province. 2700M. Wild. Seed.

473462. *Solanum colombianum* Dun. (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C.

473462-continued

M. Ochoa.

Received March 1982.

Och 11225. Venezuela. Tovar. Wild. Seed.

473463. *Solanum fernandezianum* Phil. (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C.

M. Ochoa.

Received March 1982.

Och 13069. Chile. Collected January 1979. Juan Fernandez Island. Wild. Seed.

473464. *Solanum pennellii* Correll (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C.

M. Ochoa.

Received March 1982.

Och 11606. Peru. Punta de Hauyllampi, Yauyos. Wild. Seed.

473465 TO 473467. *Solanum raphanifolium* Cardenas & Hawkes (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C.

M. Ochoa.

Received March 1982.

473465. Och 7611. Peru. Pomacandri, Cusco Department. Wild. Seed.

473466. Och 7613. Peru. Pomacandri, Cusco Department. Wild. Seed.

473467. Och 7614. Peru. Pomacandri, Cusco Department. Wild. Seed.

473468 TO 473479. *Solanum* sp. (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima. Code numbers refer to collection designation of C.

M. Ochoa.

Received March 1982.

473468. Och 5123. Peru. Wild. Seed.

473469. Och 10876. Peru. Lucre, Cusco Department. Wild. Seed.

473470. Och 10984. Ecuador. Tungurahua. Wild. Seed.

473468 TO 473479-continued

- 473471. Och 10986. Ecuador. Tungurahua. Wild. Seed.
- 473472. Och 10990. Ecuador. Rio Yanyahua, Ambato. Wild. Seed.
- 473473. Och 11003. Ecuador. Portete de Tarqui. Wild. Seed.
- 473474. Och 11004. Ecuador. Portete de Tarqui. Wild. Seed.
- 473475. Och 11008. Ecuador. Zaraguro, Huacaquiru. Wild. Seed.
- 473476. Och 11009. Ecuador. Portete de Tarqui. Wild. Seed.
- 473477. Och 11607. Peru. Vicinity of Canta, Lima Department.  
Wild. Seed.
- 473478. Och 11608. Peru. Huanuco Province. Wild. Seed.
- 473479. Och s.n. Peru. Wild. Seed.

473480 TO 473488. *Solanum acaule* Bitter (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima. Code numbers refer to collector names and designations.  
Received March 1982.

- 473480. Ast 001. Bolivia. Collected February 26, 1974. Road to Antaquira, 8km from Caquiaviri, Pacajes Province. 4000M. Collected by D. Astley. Wild. Seed.
- 473481. Hje 5401. Peru. Collected March 1974. Huancavelica to Lircay, 26km, Huancavelica Province. 4150M. Collected by J. P. Hjerting. Wild. Seed.
- 473482. Hje 5488. Peru. Collected March 1974. Huancavelica to Lircay, 42km, Huancavelica Province. 4200M. Collected by J. P. Hjerting. Wild. Seed.
- 473483. Hje 5610. Peru. Collected March 1974. Yatunpampa, 51km from Isenchaca to Huancavelica, Huancavelica Province. 4000M. Collected by J. P. Hjerting. Wild. Seed.
- 473484. Hje 5904. Peru. Wild. Seed.
- 473485. Och 5035. Peru. Quinan hill above Lachagui, Canta Province. 4000M. Collected by C. M. Cchoa. Wild. Seed.
- 473486. Och 5102. Peru. Pulpera-Shibayo, Cailloma Province. 4020M. Collected by C. M. Ochoa. Wild. Seed.
- 473487. Och 5107. Peru. Viscachani, Cailloma Province. 4090M.

473480 TO 473488-continued

Collected by C. M. Ochoa. Wild. Seed.

473488. Och 5122. Peru. Utupara, Cailloma Province. 4200M.  
Collected by C. M. Ochoa. Wild. Seed.

473489. *Solanum acroglossum* Juz. (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina,  
Lima. Code numbers refer to collector names and  
designations.

Received March 1982.

ZH 974. Peru. Collected May 1974. Sondorillo, Cienago  
Largo, Huancabamba Province. 3050M. Collected by Z.  
Huaman. Wild. Seed.

473490. *Solanum aracc-papa* Juz. ex Rybin (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina,  
Lima. Code numbers refer to collector names and  
designations.

Received March 1982.

Och 5596. Peru. Collected March 1974. Ccantuyoc, about  
3km from Acobamba, Acobamba Province. 3550M. Collected by  
J. P. Hjerting. Wild. Seed.

473491 TO 473494. *Solanum bukasovii* Juz. (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina,  
Lima. Code numbers refer to collector names and  
designations.

Received March 1982.

473491. Jac s.n. Peru. Urcos to Paucartambo, 48km, Cusco  
Department. Collected by M. T. Jackson. Wild. Seed.

473492. Hje 5444. Peru. Collected 1974. Angaraes, 15km from  
Lircay to La Constancia, Huancavelica Department. 3800M.  
Collected by J. P. Hjerting. Wild. Seed.

473493. Hje 5575. Peru. Collected 1974. Parcos Tambos, 7km from  
Acobamba, Huancavelica Department. 3650M. Collected by J.  
P. Hjerting. Wild. Seed.

473494. Hje 5902. Peru. Wild. Seed.

473495. *Solanum leptophyes* Bitter (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina,



473495-continued

Lima. Code numbers refer to collector names and designations.  
Received March 1982.

Ast 092. Bolivia. Collected April 07, 1974. From Casa Cayara on road to Potosi, 4km, Frias Province. Collected by D. Astley. Wild. Seed.

473496. *Solanum medians* Bitt. (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima. Code numbers refer to collector names and designations.  
Received March 1982.

Och 5032. Peru. Carhua, Canta Province. 2850M. Collected by C. M. Ochoa. Wild. Seed.

473497. *Solanum megistacrolobum* Bitter (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima. Code numbers refer to collector names and designations.  
Received March 1982.

Ast 049. Bolivia. Collected March 31, 1974. Malpaso, 130km from Potosi to Camargo, Nor Cinti. Collected by D. Astley. Wild. Seed.

473498. *Solanum ochranthum* Humb. & Bonpl. ex Dun. (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima. Code numbers refer to collector names and designations.  
Received March 1982.

ZH 965. Peru. Collected May 1974. Huancabamba, Causol, Huancabamba Province. 2400M. Collected by Z. Huaman. Wild. Seed.

473499 TO 473500. *Solanum oplocense* Hawkes (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima. Code numbers refer to collector names and designations.  
Received March 1982.

473499. Ast 058. Bolivia. Collected April 02, 1974. From Oploca, 2km to Tupiza, Sud Chichas Province. 3100M. Collected by

473499 TO 473500-continued  
D. Astley. Wild. Seed.

473500. Ast 059. Bolivia. Collected April 02, 1974. From Oploca, 2.5km on road to Tupiza, Sud Chicas Province. 3100M. Collected by D. Astley. Wild. Seed.

473501. *Solanum piurae* Bitt. (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima. Code numbers refer to collector names and designations.  
Received March 1982.

ZH 964. Peru. Collected May 1974. Culin hill, Alturas de Huancabamba, Huancabamba Province. 3200M. Collected by Z. Huaman. Wild. Seed.

473502. *Solanum raphanifolium* Cardenas & Hawkes (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima. Code numbers refer to collector names and designations.  
Received March 1982.

Och 5027. Peru. Keucko, Gpo. Arqueologico del Lago, Cuzco Province. 3700M. Collected by C. M. Ochoa. Wild. Seed.

473503 TO 473505. *Solanum sparsipilum* (Bitt.) Juz. & Buk. (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima. Code numbers refer to collector names and designations.  
Received March 1982.

473503. Ast 012. Bolivia. Collected March 22, 1974. From Parotani to Capinota, 1 km past Itapaya, Capinota Province. 2400M. Collected by D. Astley. Wild. Seed.

473504. Ast 018. Bolivia. Collected March 22, 1974. Road to Parotani, 5km from Capinota, Capinota Province. 2400M. Collected by D. Astley. Wild. Seed.

473505. Ast 019. Bolivia. Collected March 22, 1974. Road to Parotani, 5km from Capinota, Capinota Province. 2400M. Collected by D. Astley. Wild. Seed.

473506. *Solanum sparsipilum* var. *llallaguanianum* (Card. & Hawkes) Corr.

473506-continued  
(Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima. Code numbers refer to collector names and designations.

Received March 1982.

Ast 076. Bolivia. Collected April 04, 1974. Road to Cotagaita, 70km from Potosi, Nor Chichas Province. 3150M. Collected by D. Astley. Wild. Seed.

473507 TO 473508. *Solanum tuberosum* subsp. *andigena* (Juz. & Buk.) Hawkes (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima. Code numbers refer to collector names and designations.

Received March 1982.

473507. Ast 026. Bolivia. Collected March 26, 1974. Cienega, 12km from Tarabuco on road to Sucre, Yamparaez Province. 3200M. Collected by D. Astley. Wild. Seed.

473508. Ast 042. Bolivia. Collected March 28, 1974. Tambo, 40km from Sucre to Potosi, Oropesa Province. 2530M. Collected by D. Astley. Wild. Seed.

473509 TO 473519. *Solanum acaule* Bitter (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut für Züchtungsforschung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

473509. EBS 1781. Argentina. Quebrada Honda, 84km. 2950M. Wild. Seed.

473510. EBS 1784. Argentina. La Quicua. 3450M. Wild. Seed.

473511. EBS 1809. Bolivia. Wild. Seed.

473512. EBS 1824. Bolivia. Sorata Pass. 4500M. Wild. Seed.

473513. EBS 1826. Peru. Ilpa. 3800M. Wild. Seed.

473514. EBS 1827. Peru. Ilave. 3900M. Wild. Seed.

473515. EBS 1857. Bolivia. Belen, Antiplano Station. Wild. Seed.

473516. EBS 1861. Bolivia. La Paz. 4000M. Wild. Seed.

473509 TO 473519-continued

473517. EBS 1863. Bolivia. Tiahuanaco. 3600M. Wild. Seed.

473518. EBS 1868. Peru. Puno-Cuzco. 4250M. Wild. Seed.

473519. EBS 2635. Peru. Wild. Seed.

473520. *Solanum demissum* Lindl. (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut für Züchtungsforschung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

EBS 2624. Mexico. Wild. Seed.

473521 TO 473522. *Solanum infundibuliforme* Phil. (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut für Züchtungsforschung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

473521. EBS 2946. Argentina. Wild. Seed.

473522. EBS 2948. Argentina. Wild. Seed.

473523. *Solanum leptophyes* f. *gourlayi* (Hawkes) Corr. (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut für Züchtungsforschung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

EBS 2883. Bolivia. Wild. Seed.

473524. *Solanum megistacrolobum* Bitter (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut für Züchtungsforschung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

EBS 2945. Argentina. Wild. Seed.

473525. *Solanum microdontum* Bitt. (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut fur Zuchtungsforchung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

EBS 2636. Bolivia. Wild. Seed.

473526 TO 473528. *Solanum raphanifolium* Cardenas & Hawkes (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut fur Zuchtungsforchung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

473526. EBS 1837. Bolivia. Cerro Potosi. 4100M. Wild. Seed.

473527. EBS 1872. Peru. Rumiccolca. 3000M. Wild. Seed.

473528. EBS 1873. Peru. Wild. Seed.

473529. *Solanum* sp. (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut fur Zuchtungsforchung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

EBS 3011. Argentina. Wild. Seed.

473530 TO 473531. *Solanum sparsipilum* (Bitt.) Juz. & Buk. (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut fur Zuchtungsforchung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

473530. EBS 1858. Bolivia. Wild. Seed.

473531. EBS 1916. Peru. Wild. Seed.

473532 TO 473533. *Solanum sparsipilum* var. *llallaguanianum* (Card. & Hawkes) Corr. (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut fur

473532 TO 473533-continued

Zuchtungsforſchung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

473532. EBS 1791. Bolivia. Wild. Seed.

473533. EBS 1821. Bolivia. Belen, Antiplano Station. Wild. Seed.

473534. *Solanum stoloniferum* Schlechtd. (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut fur Zuchtungsforſchung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

EBS 2942. Mexico. Wild. Seed.

473535 TO 473538. *Solanum tuberosum* subsp. *andigena* (Juz. & Buk.) Hawkes (Solanaceae).

From Germany, Federal Rep of. H. Ross, Max-Planck-Institut fur Zuchtungsforſchung, 5 Kohn Vogelsang. Code numbers refer to Erwin Bauer Sortiment designations collected by Hans Ross.

Received May 1982.

473535. EBS 1785. Argentina. Wild. Seed.

473536. EBS 1788. Bolivia. Wild. Seed.

473537. EBS 1835. Bolivia. Wild. Seed.

473538. EBS 1853. Bolivia. Wild. Seed.

473539 TO 473547. *Hordeum vulgare* L. (Poaceae) Barley.

From United Kingdom. Nickerson RPB Limited, Joseph Nickerson Research Center, Lincoln LN7 6DT England.

Received October 1982.

473539. 'Fenella'. United Kingdom. Two-row type. Good malting quality, moderate winterhardiness. Winter Annual. Cultivar. Seed.

473540. 'Tipper'. United Kingdom. Two-row type. Good malting quality, moderate winterhardiness. Winter Annual. Cultivar. Seed.

473539 TO 473547-continued

- 473541. 'Trigger'. United Kingdom. Two-row type. Excellent malting quality, poor winterhardiness. Winter Annual. Cultivar. Seed.
- 473542. Spain 1. Spain. Six-row type, requiring vernalization. Poor winterhardiness. Winter Annual. Landrace. Seed.
- 473543. Spain 2. Spain. Six-row type, requiring vernalization. Poor winterhardiness. Winter Annual. Landrace. Seed.
- 473544. Spain 3. Spain. Six-row type, requiring vernalization. Poor winterhardiness. Winter Annual. Landrace. Seed.
- 473545. Spain 4. Spain. Six-row type, requiring vernalization. Poor winterhardiness. Winter Annual. Landrace. Seed.
- 473546. Spain 5. Spain. Six-row type, requiring vernalization. Poor winterhardiness. Winter Annual. Landrace. Seed.
- 473547. Spain 6. Spain. Six-row type, requiring vernalization. Poor winterhardiness. Winter Annual. Landrace. Seed.

473548 TO 473559. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. R. E. Allan, Wheat Breeding and Production, Agricultural Research Service, U.S. Department of Agriculture, Pullman, Washington.  
Received October 1982.

- 473548. 67R913. United States. KS63GH279/2\*CI 13438. Restorer line for *T. timopheevii* cyto-male sterility. One gene semidwarf. Spikes lax, bearded, with white chaff. Seeds soft, white. Resistant to stripe rust. Winter Annual. Cultivated. Seed.
- 473549. 68R1859. United States. KS63GH279/Marfed//CI12666/Burt. Restorer line for *T. timopheevii* cyto-male sterility. Plants medium height. Spikes lax, bearded, with white chaff. Seeds hard, white. Moderate resistance to stripe rust. Winter Annual. Cultivated. Seed.
- 473550. 68R2204. United States. KS63GH279//3\*CI13438/Burt,8. Restorer line for *T. timopheevii* cyto-male sterility. One gene semidwarf. Spikes lax, bearded, with white chaff. Seeds soft, white. Intermediate resistance to stripe rust. Winter Annual. Cultivated. Seed.
- 473551. 71R261. United States. NB542437/2\*Marfed//KS63GH279/2\*CI13438. Restorer line for *T. timopheevii* cyto-male sterility. Plants medium height. Spikes lax, bearded, with white chaff. Seeds soft, white. Resistant to stripe

473548 TO 473559-continued

rust. Winter Annual. Cultivated. Seed.

473552. 71R1203. United States. NB 542437/CI 13438//2\*Burt/3/NB 542437/2\*CI 13438. Restorer line for *T. timopheevii* cyto-male sterility. One gene semidwarf. Spikes lax, bearded, with white chaff. Seeds hard, white. Resistant to stripe rust. Winter Annual. Cultivated. Seed.
473553. 71R15393. United States. KS63GH279/Marfed//2\*CI 13438. Restorer line for *T. timopheevii* cyto-male sterility. One gene semidwarf. Spikes lax, bearded, with white glumes. Seeds hard, red. Intermediate resistance to stripe rust. Winter Annual. Cultivated. Seed.
473554. 75R33. United States. NB542437/4\*CI13438/2\*CI13438/Burt5/PI316002/CI13438/Burt5. Restorer line for *T. timopheevii* cyto-male sterility. Plants medium height. Spikes lax, bearded, with white chaff. Seeds hard, red. Intermediate resistance to stripe rust. Winter Annual. Cultivated. Seed.
473555. 75R36. United States. NB542437/4\*CI13438/2\*CI13438/Burt5/PI316002/CI13438. Restorer line for *T. timopheevii* cyto-male sterility. One gene semidwarf. Spikes lax, bearded, with white chaff. Seeds soft, white. Intermediate resistance to stripe rust. Winter Annual. Cultivated. Seed.
473556. 75R38. United States. NB542437/4\*CI13438/2\*CI13438/Burt5/PI316002/CI13438. Restorer line for *T. timopheevii* cyto-male sterility. Plants medium height. Spikes lax, bearded, with white chaff. Seeds soft, white. Intermediate resistance to stripe rust. Winter Annual. Cultivated. Seed.
473557. 75R45. United States. NB542437/CI13438/4\*Marfed/PI316002/CI13438. Restorer line for *T. timopheevii* cyto-male sterility. Plants medium height. Spikes lax, bearded, with white chaff. Seeds soft, white. Intermediate resistance to stripe rust. Winter Annual. Cultivated. Seed.
473558. 75R54. United States. NB542437/CI13438/4\*Marfed/PI316002/CI13438/Burt5. Restorer line for *T. timopheevii* cyto-male sterility. Plants medium height. Spikes lax, bearded, with white chaff. Seeds soft, white. Resistant to stripe rust. Winter Annual. Cultivated. Seed.
473559. 75R69. United States. NB542437/4\*CI13438/2\*CI13438/Burt,5//PI316002/NB sel./GNS/CI13438. Restorer line for *T. timopheevii* cyto-male sterility. Plants medium height. Spikes lax, bearded, with white chaff. Seeds soft, white. Intermediate to moderately susceptible to stripe rust.



473548 TO 473559-continued

Winter Annual. Cultivated. Seed.

473560. *Linum usitatissimum* L. (Linaceae) Flax.

From Mexico. L. Quilantan Villarreal, Centro de Investigaciones  
Agrícolas del Noroeste, INIA, Obregon.

Received October 1982.

Arandas. Mexico. Drought tolerant. Cultivated. Landrace.  
Seed.

473561 TO 473568. *Oryza sativa* L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manila.  
Received October 1982.

473561. IRRI 3672. Kala Rata 1. India. Breeding Material. Seed.

473562. IRRI 4924. Krachek Chap. Rice Research Station, Rokupr,  
Sierra Leone. Originally from Indochina. Primitive  
Cultivar. Seed.

473563. IRRI 5834. Mauritius Local. Mauritius. Central Rice Res.,  
Cuttack-6, Orissa, India. Primitive Cultivar. Seed.

473564. IRRI 6057. Skrivimankoty 108. Indonesia. Central Rice  
Res., Cuttack-6, Orissa, India. Breeding Material. Seed.

473565. IRRI 9643. Curtina/Maumbalay. Philippines. Munoz, Nueva  
Ecija. Maligaya Rice Res. & Training Center. Breeding  
Material. Seed.

473566. IRRI 9771. Mayhiya. Koronivia Research Station, Nausori,  
Fiji. Primitive Cultivar. Seed.

473567. IRRI 13389. SML Acorni. Surinam. Nickerie. Foundation  
for Mechanized Rice Culture. Primitive Cultivar. Seed.

473568. IRRI 26757. Nona Sail. Bangladesh. Dacca. Bangladesh  
Rice Research Station. Primitive Cultivar. Seed.

473569. *Oryza sativa* L. (Poaceae) Rice.

From United States. Rice Collection, Germplasm Resources  
Laboratory, USDA, Beltsville, Maryland. Received through  
International Rice Research Institute, Manila,  
Philippines.

Received October 1982.

CI 12281. Indonesia. IRRI 3601. Breeding Material. Seed.

473570. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. G. A. Taylor, Plant & Soil Science Department, Montana State University, Agricultural Experiment Station, Bozeman, Montana.  
Received October 1982.

MT 7431. 'Rosebud'. United States. LCR/\*2 BWH 1376-8. Hard red type. Chaff brown. Hardiness similar to Cheyenne. Good protein and acceptable milling and baking qualities. Resistant to prevalent races of stem and stripe rust. Winter Annual. Cultivar. Seed.

473571. *Medicago sativa* L. (Fabaceae) Alfalfa.

From South Africa. Small Grain Centre, Bethlehem 9700.  
Received October 1982.

South African Standard. South Africa. Pasture crop. Cultivated. Seed.

473572 TO 473573. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Chinling Wang, Northeast Agricultural College, Harbin, Heilongjiang.  
Received October 1982.

473572. Funshu 11. China, Peoples Repub of. Northeast China. Maturity group 0. Cultivated. Seed.

473573. N.E. 4. China, Peoples Repub of. Northeast China. Developed by Chinling Wang. Cultivated. Seed.

473574 TO 473575. *Hordeum vulgare* L. (Poaceae) Barley.

From Canada. W. Stewart, Field Crops Branch, Alberta Agriculture, Lacombe, Alberta TOC 1S0.  
Received October 1982.

473574. T.R. 604. 'Abee'. Wa 7698-62/222-69//Fulbeck III/Julia. Two row type. Plants medium-sized. Heads semi-lax, nodding. Awns rough. Seeds medium-sized, yellow. Used for feed. Disease resistance similar to other licensed 2-row types. Moderately resistant to root rot and moderately susceptible to surface borne smuts and field leaf diseases. Cultivar. Seed.

473575. B.T. 507. 'Empress'. 66-289-1507/Luther//Conquest. Six row type. Plants medium-sized. Heads lax, nodding. Awns rough with purple tips. Seeds medium sized, yellow. Used for feed. Resistant to stem rust. Moderately resistant to

473574 TO 473575-continued

scald and root rot. Susceptable to loose and surface borne smuts, net blotch and septoria leaf blotch. Cultivar. Seed.

473576 TO 473608. *Setaria italica* (L.) Beauv. (Poaceae) Foxtail millet.

From India. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad - 500 016, AP.  
Received February 1981.

- 473576. SE. Buttle foxtail. China, Peoples Repub of. Cultivated. Seed.
- 473577. SE. Chin-Ku No. 1. China, Peoples Repub of. Cultivated. Seed.
- 473578. SE. Hsui-li-huan. China, Peoples Repub of. Cultivated. Seed.
- 473579. SE. Lu-ku No. 2. China, Peoples Repub of. Cultivated. Seed.
- 473580. SE. Pacichan ku. China, Peoples Repub of. Cultivated. Seed.
- 473581. SE. Pci-han No. 1. China, Peoples Repub of. Cultivated. Seed.
- 473582. SE. Yang Tsuanka. China, Peoples Repub of. Cultivated. Seed.
- 473583. SE-250 025. China, Peoples Repub of. Cultivated. Seed.
- 473584. SE-253 497. China, Peoples Repub of. Cultivated. Seed.
- 473585. SE-290 457. China, Peoples Repub of. Cultivated. Seed.
- 473586. SE-1977. China, Peoples Repub of. Cultivated. Seed.
- 473587. ISE-108. China, Peoples Repub of. Cultivated. Seed.
- 473588. ISE-184. China, Peoples Repub of. Cultivated. Seed.
- 473589. ISE-204. China, Peoples Repub of. Cultivated. Seed.
- 473590. ISE-342. China, Peoples Repub of. Cultivated. Seed.
- 473591. ISE-405A. China, Peoples Repub of. Cultivated. Seed.
- 473592. ISE-7272/6-1. China, Peoples Repub of. Cultivated. Seed.
- 473593. SE-IPM-1539. Lebanon. Cultivated. Seed.

473576 TO 473608-continued

- 473594. SE-IPM-1541. Lebanon. Cultivated. Seed.
- 473595. SE-IPM-1543. Lebanon. Cultivated. Seed.
- 473596. SE-IPM-1546. Lebanon. Cultivated. Seed.
- 473597. SE-IPM-1548. Lebanon. Cultivated. Seed.
- 473598. SE-IPM-1557. Lebanon. Cultivated. Seed.
- 473599. SE-IPM-1565. Lebanon. Cultivated. Seed.
- 473600. SE-IPM-1568. Lebanon. Cultivated. Seed.
- 473601. SE-IPM-1569. Lebanon. Cultivated. Seed.
- 473602. SE-IPM-1571. Lebanon. Cultivated. Seed.
- 473603. SE-IPM-1577. Lebanon. Cultivated. Seed.
- 473604. SE-IPM-1581. Lebanon. Cultivated. Seed.
- 473605. SE-IPM-1583. Lebanon. Cultivated. Seed.
- 473606. SE-IPM-1617. Lebanon. Cultivated. Seed.
- 473607. SE-IPM-1618. Lebanon. Cultivated. Seed.
- 473608. SE-IPM-1619. Lebanon. Cultivated. Seed.

473609 TO 474204. *Vigna radiata* (L.) Wilczek (Fabaceae) Mungbean.

From Iran. Regional Pulse Improvement Project, Agency for  
International Development & U.S. Dept. of Agriculture,  
Tehran.

Received October 1980.

- 473609. 48-071-10102. Iran. Cultivated. Seed.
- 473610. 48-071-10218. Iran. Cultivated. Seed.
- 473611. 48-071-10219. Iran. Cultivated. Seed.
- 473612. 48-071-10220. Iran. Cultivated. Seed.
- 473613. 48-071-10221. Iran. Cultivated. Seed.
- 473614. 48-071-10222. Iran. Cultivated. Seed.
- 473615. 48-071-10223. Iran. Cultivated. Seed.

473609 TO 474204-continued

- 473616. 48-071-10224. Iran. Cultivated. Seed.
- 473617. 48-113-10225. Pakistan. Cultivated. Seed.
- 473618. 48-113-10226. Pakistan. Cultivated. Seed.
- 473619. 48-071-10294. Iran. Tehran. Ministry of Agriculture. 427. Cultivated. Seed.
- 473620. 48-071-10302. Iran. Tehran. Ministry of Agriculture. 214. Cultivated. Seed.
- 473621. 48-071-10309. Iran. Cultivated. Seed.
- 473622. 48-071-10313. Iran. Cultivated. Seed.
- 473623. 48-071-10331. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.
- 473624. 48-071-10333. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.
- 473625. 48-071-10334. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.
- 473626. 48-071-10335. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.
- 473627. 48-071-10336. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.
- 473628. 48-071-10337. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.
- 473629. 48-071-10338. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.
- 473630. 48-071-10340. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.
- 473631. 48-071-10341. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.
- 473632. 48-071-10342. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.
- 473633. 48-071-10343. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.
- 473634. 48-071-10344. Iran. Tehran. Ministry of Agriculture. 217. Cultivated. Seed.

473609 TO 474204-continued

473635. 48-071-10345. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473636. 48-071-10346. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473637. 48-071-10348. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473638. 48-071-10349. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473639. 48-071-10351. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473640. 48-071-10352. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473641. 48-071-10353. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473642. 48-071-10354. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473643. 48-071-10355. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473644. 48-071-10356. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473645. 48-071-10359. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473646. 48-071-10360. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473647. 48-071-10361. Iran. Cultivated. Seed.
473648. 48-071-10363. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473649. 48-071-10365. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473650. 48-071-10366. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473651. 48-071-10368. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473652. 48-071-10369. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.

473609 TO 474204-continued

473653. 48-071-10370. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473654. 48-071-10372. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473655. 48-071-10373. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473656. 48-071-10374. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473657. 48-071-10375. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473658. 48-071-10376. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473659. 48-071-10377. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473660. 48-071-10379. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473661. 48-071-10380. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473662. 48-071-10381. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473663. 48-071-10382. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473664. 48-071-10383. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473665. 48-071-10384. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473666. 48-071-10385. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473667. 48-071-10386. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473668. 48-071-10387. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473669. 48-071-10388. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473670. 48-071-10390. Iran. Tehran. Ministry of Agriculture. 216.

473609 TO 474204-continued  
Cultivated. Seed.

473671. 48-071-10391. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473672. 48-071-10392. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473673. 48-071-10393. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473674. 48-071-10394. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473675. 48-071-10395. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473676. 48-071-10398. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473677. 48-071-10399. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473678. 48-071-10400. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473679. 48-071-10401. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473680. 48-071-10402. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473681. 48-071-10403. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473682. 48-071-10404. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473683. 48-071-10405. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473684. 48-071-10407. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473685. 48-071-10408. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473686. 48-071-10409. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473687. 48-071-10410. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.



473609 TO 474204-continued

473688. 48-071-10411. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473689. 48-071-10412. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473690. 48-071-10413. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473691. 48-071-10415. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473692. 48-071-10416. Iran. Tehran. Ministry of Agriculture. 216.  
Cultivated. Seed.
473693. 48-071-10417. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473694. 48-071-10418. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473695. 48-071-10419. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473696. 48-071-10420. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473697. 48-071-10421. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473698. 48-071-10423. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473699. 48-071-10424. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473700. 48-071-10427. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473701. 48-071-10428. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473702. 48-071-10429. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473703. 48-071-10430. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473704. 48-071-10431. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473705. 48-071-10432. Iran. Tehran. Ministry of Agriculture. 214.

473609 TO 474204-continued

Cultivated. Seed.

473706. 48-071-10433. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473707. 48-071-10434. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473708. 48-071-10437. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473709. 48-071-10438. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473710. 48-071-10440. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473711. 48-071-10441. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473712. 48-071-10442. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473713. 48-071-10443. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473714. 48-071-10444. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473715. 48-071-10446. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473716. 48-071-10447. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473717. 48-071-10448. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473718. 48-071-10449. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473719. 48-071-10451. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473720. 48-071-10452. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473721. 48-071-10453. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473722. 48-071-10454. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.

473609 TO 474204-continued

473723. 48-071-10455. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473724. 48-071-10456. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473725. 48-071-10457. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473726. 48-071-10459. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473727. 48-071-10460. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473728. 48-071-10461. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473729. 48-071-10462. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473730. 48-071-10464. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473731. 48-071-10466. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473732. 48-071-10467. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473733. 48-071-10468. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473734. 48-071-10469. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473735. 48-071-10470. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473736. 48-071-10471. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473737. 48-071-10472. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473738. 48-071-10473. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473739. 48-071-10474. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
473740. 48-071-10476. Iran. Tehran. Ministry of Agriculture. 214.

473609 TO 474204-continued

Cultivated. Seed.

- 473741. 48-071-10477. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
- 473742. 48-071-10478. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
- 473743. 48-071-10479. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
- 473744. 48-071-10480. Iran. Tehran. Ministry of Agriculture. 214.  
Cultivated. Seed.
- 473745. 48-071-10482. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473746. 48-071-10483. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473747. 48-071-10484. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473748. 48-071-10486. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473749. 48-071-10487. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473750. 48-071-10489. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473751. 48-071-10490. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473752. 48-071-10492. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473753. 48-071-10493. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473754. 48-071-10494. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473755. 48-071-10495. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473756. 48-071-10496. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
- 473757. 48-071-10497. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.

473609 TO 474204-continued

473758. 48-071-10498. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
473759. 48-071-10500. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
473760. 48-071-10501. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
473761. 48-071-10502. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
473762. 48-071-10503. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
473763. 48-071-10504. Iran. Tehran. Ministry of Agriculture. 213.  
Cultivated. Seed.
473764. 48-071-10507. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473765. 48-071-10508. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473766. 48-071-10509. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473767. 48-071-10510. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473768. 48-071-10511. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473769. 48-071-10512. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473770. 48-071-10513. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473771. 48-071-10514. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473772. 48-071-10515. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473773. 48-071-10516. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473774. 48-071-10517. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473775. 48-071-10519. Iran. Tehran. Ministry of Agriculture. 217.

473609 TO 474204-continued

- Cultivated. Seed.
473776. 48-071-10523. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473777. 48-071-10524. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473778. 48-071-10525. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473779. 48-071-10526. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473780. 48-071-10527. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473781. 48-071-10528. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473782. 48-071-10529. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473783. 48-071-10530. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473784. 48-071-10531. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473785. 48-071-10532. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473786. 48-071-10534. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473787. 48-071-10535. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473788. 48-071-10536. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473789. 48-071-10537. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473790. 48-071-10539. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473791. 48-071-10543. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473792. 48-071-10544. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.

473609 TO 474204-continued

473793. 48-071-10547. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473794. 48-071-10548. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473795. 48-071-10549. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473796. 48-071-10552. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473797. 48-071-10553. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473798. 48-071-10554. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473799. 48-071-10555. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473800. 48-071-10556. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473801. 48-071-10557. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473802. 48-071-10558. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473803. 48-071-10559. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473804. 48-071-10560. Iran. Tehran. Ministry of Agriculture. 217.  
Cultivated. Seed.
473805. 48-071-10561. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473806. 48-071-10563. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473807. 48-071-10564. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473808. 48-071-10565. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473809. 48-071-10566. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473810. 48-071-10567. Iran. Tehran. Ministry of Agriculture. 221.

473609 TO 474204-continued

Cultivated. Seed.

- 473811. 48-071-10568. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473812. 48-071-10569. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473813. 48-071-10570. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473814. 48-071-10572. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473815. 48-071-10574. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473816. 48-071-10575. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473817. 48-071-10576. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473818. 48-071-10577. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473819. 48-071-10578. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473820. 48-071-10579. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473821. 48-071-10580. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473822. 48-071-10582. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473823. 48-071-10583. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473824. 48-071-10585. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473825. 48-071-10588. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473826. 48-071-10589. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
- 473827. 48-071-10590. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.



473609 TO 474204-continued

473828. 48-071-10591. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473829. 48-071-10593. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473830. 48-071-10597. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473831. 48-071-10598. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473832. 48-071-10599. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473833. 48-071-10602. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473834. 48-071-10604. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473835. 48-071-10606. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473836. 48-071-10608. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473837. 48-071-10609. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473838. 48-071-10610. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473839. 48-071-10612. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473840. 48-071-10614. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473841. 48-071-10615. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473842. 48-071-10616. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473843. 48-071-10618. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473844. 48-071-10619. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473845. 48-071-10620. Iran. Tehran. Ministry of Agriculture. 221.

473609 TO 474204-continued  
Cultivated. Seed.

473846. 48-071-10623. Iran. Tehran. Ministry of Agriculture. 221.  
Cultivated. Seed.
473847. 48-071-10625. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473848. 48-071-10626. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473849. 48-071-10627. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473850. 48-071-10628. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473851. 48-071-10629. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473852. 48-071-10631. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473853. 48-071-10632. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473854. 48-071-10633. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473855. 48-071-10634. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473856. 48-071-10635. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473857. 48-071-10638. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473858. 48-071-10639. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473859. 48-071-10640. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473860. 48-071-10641. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473861. 48-071-10642. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473862. 48-071-10643. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.

473609 TO 474204-continued

473863. 48-071-10644. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473864. 48-071-10645. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473865. 48-071-10646. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473866. 48-071-10648. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473867. 48-071-10649. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473868. 48-071-10650. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473869. 48-071-10651. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473870. 48-071-10652. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473871. 48-071-10653. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473872. 48-071-10655. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473873. 48-071-10656. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473874. 48-071-10657. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473875. 48-071-10659. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473876. 48-071-10660. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473877. 48-071-10661. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473878. 48-071-10662. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473879. 48-071-10663. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473880. 48-071-10664. Iran. Tehran. Ministry of Agriculture. 223.

473609 TO 474204-continued

Cultivated. Seed.

473881. 48-071-10665. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473882. 48-071-10666. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473883. 48-071-10667. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473884. 48-071-10668. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473885. 48-071-10670. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473886. 48-071-10671. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473887. 48-071-10672. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473888. 48-071-10673. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473889. 48-071-10674. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473890. 48-071-10675. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473891. 48-071-10676. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473892. 48-071-10677. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473893. 48-071-10679. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473894. 48-071-10682. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473895. 48-071-10685. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
473896. 48-071-10687. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473897. 48-071-10688. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.

473609 TO 474204-continued

473898. 48-071-10690. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473899. 48-071-10691. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473900. 48-071-10693. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473901. 48-071-10694. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473902. 48-071-10695. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473903. 48-071-10698. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473904. 48-071-10699. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473905. 48-071-10700. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473906. 48-071-10702. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473907. 48-071-10703. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473908. 48-071-10704. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473909. 48-071-10705. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473910. 48-071-10706. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473911. 48-071-10707. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473912. 48-071-10709. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473913. 48-071-10710. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473914. 48-071-10711. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473915. 48-071-10712. Iran. Tehran. Ministry of Agriculture. 222.

473609 TO 474204-continued

Cultivated. Seed.

473916. 48-071-10713. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473917. 48-071-10714. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473918. 48-071-10716. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473919. 48-071-10717. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473920. 48-071-10718. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473921. 48-071-10719. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473922. 48-071-10720. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473923. 48-071-10721. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473924. 48-071-10722. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473925. 48-071-10723. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473926. 48-071-10724. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473927. 48-071-10725. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473928. 48-071-10726. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473929. 48-071-10727. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473930. 48-071-10728. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473931. 48-071-10729. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473932. 48-071-10730. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.

473609 TO 474204-continued

473933. 48-071-10732. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473934. 48-071-10733. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473935. 48-071-10734. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473936. 48-071-10735. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473937. 48-071-10736. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473938. 48-071-10737. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473939. 48-071-10739. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473940. 48-071-10740. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473941. 48-071-10742. Iran. Tehran. Ministry of Agriculture. 222.  
Cultivated. Seed.
473942. 48-071-10743. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473943. 48-071-10744. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473944. 48-071-10745. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473945. 48-071-10746. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473946. 48-071-10748. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473947. 48-071-10749. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473948. 48-071-10750. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473949. 48-071-10752. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473950. 48-071-10753. Iran. Tehran. Ministry of Agriculture. 226.

473609 TO 474204-continued

- Cultivated. Seed.
473951. 48-071-10754. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473952. 48-071-10755. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473953. 48-071-10756. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473954. 48-071-10757. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473955. 48-071-10758. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473956. 48-071-10759. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473957. 48-071-10760. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473958. 48-071-10761. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473959. 48-071-10762. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473960. 48-071-10764. Iran. Tehran. Ministry of Agriculture. 226.  
Seeds green. Cultivated. Seed.
473961. 48-071-10764. Iran. Tehran. Ministry of Agriculture. 226.  
Seeds black. Cultivated. Seed.
473962. 48-071-10765. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473963. 48-071-10766. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473964. 48-071-10767. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473965. 48-071-10768. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473966. 48-071-10769. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473967. 48-071-10770. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.



473609 TO 474204-continued

473968. 48-071-10772. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473969. 48-071-10773. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473970. 48-071-10774. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473971. 48-071-10777. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473972. 48-071-10781. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473973. 48-071-10783. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473974. 48-071-10784. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473975. 48-071-10786. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473976. 48-071-10787. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473977. 48-071-10788. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473978. 48-071-10789. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473979. 48-071-10790. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473980. 48-071-10794. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473981. 48-071-10795. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473982. 48-071-10796. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473983. 48-071-10797. Iran. Tehran. Ministry of Agriculture. 226.  
Cultivated. Seed.
473984. 48-071-10798. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473985. 48-071-10799. Iran. Tehran. Ministry of Agriculture. 224.

473609 TO 474204-continued

- Cultivated. Seed.
473986. 48-071-10800. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473987. 48-071-10801. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473988. 48-071-10802. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473989. 48-071-10805. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473990. 48-071-10806. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473991. 48-071-10807. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473992. 48-071-10812. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473993. 48-071-10813. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473994. 48-071-10814. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473995. 48-071-10815. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473996. 48-071-10816. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473997. 48-071-10817. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473998. 48-071-10818. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
473999. 48-071-10819. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474000. 48-071-10820. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474001. 48-071-10821. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474002. 48-071-10822. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.

473609 TO 474204-continued

474003. 48-071-10825. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474004. 48-071-10826. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474005. 48-071-10828. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474006. 48-071-10829. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474007. 48-071-10831. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474008. 48-071-10833. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474009. 48-071-10834. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474010. 48-071-10836. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474011. 48-071-10837. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474012. 48-071-10838. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474013. 48-071-10839. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474014. 48-071-10840. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474015. 48-071-10841. Iran. Tehran. Ministry of Agriculture. 224.  
Cultivated. Seed.
474016. 48-071-10842. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
474017. 48-071-10845. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
474018. 48-071-10846. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
474019. 48-071-10847. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
474020. 48-071-10848. Iran. Tehran. Ministry of Agriculture. 218.

473609 TO 474204-continued  
Cultivated. Seed.

- 474021. 48-071-10850. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474022. 48-071-10851. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474023. 48-071-10852. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474024. 48-071-10853. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474025. 48-071-10854. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474026. 48-071-10855. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474027. 48-071-10856. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474028. 48-071-10857. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474029. 48-071-10858. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474030. 48-071-10859. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474031. 48-071-10861. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474032. 48-071-10862. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474033. 48-071-10863. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474034. 48-071-10864. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474035. 48-071-10865. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474036. 48-071-10866. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.
- 474037. 48-071-10867. Iran. Tehran. Ministry of Agriculture. 218.  
Cultivated. Seed.

473609 TO 474204-continued

- 474038. 48-071-10868. Iran. Tehran. Ministry of Agriculture. 218. Cultivated. Seed.
- 474039. 48-071-10869. Iran. Tehran. Ministry of Agriculture. 218. Cultivated. Seed.
- 474040. 48-071-10870. Cultivated. Seed.
- 474041. 48-071-10871. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474042. 48-071-10872. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474043. 48-071-10873. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474044. 48-071-10874. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474045. 48-071-10875. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474046. 48-071-10876. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474047. 48-071-10877. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474048. 48-071-10879. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474049. 48-071-10880. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474050. 48-071-10881. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474051. 48-071-10882. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474052. 48-071-10883. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474053. 48-071-10885. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474054. 48-071-10887. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.
- 474055. 48-071-10888. Iran. Tehran. Ministry of Agriculture. 215. Cultivated. Seed.

473609 TO 474204-continued

474056. 48-071-10889. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474057. 48-071-10890. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474058. 48-071-10891. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474059. 48-071-10892. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474060. 48-071-10895. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474061. 48-071-10896. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474062. 48-071-10899. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474063. 48-071-10900. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474064. 48-071-10901. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474065. 48-071-10902. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474066. 48-071-10903. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474067. 48-071-10904. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474068. 48-071-10905. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474069. 48-071-10907. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474070. 48-071-10908. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474071. 48-071-10909. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474072. 48-071-10911. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474073. 48-071-10912. Iran. Tehran. Ministry of Agriculture. 215.

473609 TO 474204-continued

Cultivated. Seed.

- 474074. 48-071-10913. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474075. 48-071-10914. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474076. 48-071-10915. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474077. 48-071-10916. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474078. 48-071-10917. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474079. 48-071-10918. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474080. 48-071-10920. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474081. 48-071-10921. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474082. 48-071-10922. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474083. 48-071-10923. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474084. 48-071-10924. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474085. 48-071-10925. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474086. 48-071-10926. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474087. 48-071-10929. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474088. 48-071-10931. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474089. 48-071-10933. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
- 474090. 48-071-10934. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.

473609 TO 474204-continued

474091. 48-071-10935. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474092. 48-071-10937. Iran. Tehran. Ministry of Agriculture. 215.  
Cultivated. Seed.
474093. 48-071-10938. Iran. Tehran. Ministry of Agriculture. 150.  
Cultivated. Seed.
474094. 48-071-10941. Iran. Tehran. Ministry of Agriculture. 118.  
Cultivated. Seed.
474095. 48-071-10942. Iran. Tehran. Ministry of Agriculture. 109.  
Cultivated. Seed.
474096. 48-071-10943. Iran. Tehran. Ministry of Agriculture. 428.  
Cultivated. Seed.
474097. 48-071-10946. Iran. Tehran. Ministry of Agriculture. 407.  
Cultivated. Seed.
474098. 48-071-10947. Iran. Tehran. Ministry of Agriculture. 406.  
Cultivated. Seed.
474099. 48-071-10948. Iran. Tehran. Ministry of Agriculture. 405.  
Cultivated. Seed.
474100. 48-071-10949. Iran. Tehran. Ministry of Agriculture. 404.  
Cultivated. Seed.
474101. 48-071-10950. Iran. Tehran. Ministry of Agriculture. 403.  
Cultivated. Seed.
474102. 48-071-10951. Iran. Tehran. Ministry of Agriculture. 402.  
Cultivated. Seed.
474103. 48-071-10952. Iran. Tehran. Ministry of Agriculture. 401.  
Cultivated. Seed.
474104. 48-071-10953. Iran. Tehran. Ministry of Agriculture. 400.  
Cultivated. Seed.
474105. 48-071-10954. Iran. Tehran. Ministry of Agriculture. 399.  
Cultivated. Seed.
474106. 48-071-10955. Iran. Tehran. Ministry of Agriculture. 203.  
Cultivated. Seed.
474107. 48-071-10957. Iran. Tehran. Ministry of Agriculture. 223.  
Cultivated. Seed.
474108. 48-071-10958. Iran. Tehran. Ministry of Agriculture. 228.



473609 TO 474204-continued

Cultivated. Seed.

474109. 48-071-10959. Iran. Tehran. Ministry of Agriculture. 199.  
Cultivated. Seed.
474110. 48-071-10960. Iran. Tehran. Ministry of Agriculture. 211.  
Cultivated. Seed.
474111. 48-071-10962. Iran. Tehran. Ministry of Agriculture. 184.  
Cultivated. Seed.
474112. 48-071-10963. Iran. Tehran. Ministry of Agriculture. 167.  
Cultivated. Seed.
474113. 48-071-10964. Iran. Tehran. Ministry of Agriculture. 156.  
Cultivated. Seed.
474114. 48-071-10965. Iran. Tehran. Ministry of Agriculture. 116.  
Cultivated. Seed.
474115. 48-071-10966. Iran. Tehran. Ministry of Agriculture. 112.  
Cultivated. Seed.
474116. 48-071-10967. Iran. Tehran. Ministry of Agriculture. 105.  
Cultivated. Seed.
474117. 48-071-10968. Iran. Tehran. Ministry of Agriculture.  
15259. Cultivated. Seed.
474118. 48-071-10969. Iran. Tehran. Ministry of Agriculture.  
15260. Cultivated. Seed.
474119. 48-071-10973. Iran. Tehran. Ministry of Agriculture.  
15264. Cultivated. Seed.
474120. 48-071-10975. Iran. Tehran. Ministry of Agriculture.  
15266. Cultivated. Seed.
474121. 48-071-10976. Iran. Tehran. Ministry of Agriculture.  
15267. Cultivated. Seed.
474122. 48-071-10980. Iran. Tehran. Ministry of Agriculture.  
15272. Cultivated. Seed.
474123. 48-071-10981. Iran. Tehran. Ministry of Agriculture.  
15273. Cultivated. Seed.
474124. 48-071-10985. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474125. 48-069-10986. India. Selection made at Dezful, Iran.  
Cultivated. Seed.

473609 TO 474204-continued

474126. 48-069-10989. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474127. 48-069-10990. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474128. 48-069-10991. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474129. 48-069-10992. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474130. 48-069-10994. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474131. 48-069-10996. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474132. 48-069-10997. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474133. 48-069-10998. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474134. 48-069-10999. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474135. 48-069-11000. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474136. 48-069-11001. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474137. 48-069-11002. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474138. 48-069-11007. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474139. 48-069-11008. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474140. 48-069-11009. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474141. 48-069-11010. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474142. 48-069-11012. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474143. 48-069-11013. India. Selection made at Dezful, Iran.

473609 TO 474204-continued

Cultivated. Seed.

- 474144. 48-069-11014. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474145. 48-069-11015. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474146. 48-069-11016. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474147. 48-069-11017. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474148. 48-069-11018. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474149. 48-069-11019. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474150. 48-069-11020. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474151. 48-069-11021. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474152. 48-069-11022. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474153. 48-069-11023. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474154. 48-069-11024. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474155. 48-069-11025. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474156. 48-069-11026. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474157. 48-069-11027. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474158. 48-069-11028. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474159. 48-069-11029. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474160. 48-069-11030. India. Selection made at Dezful, Iran. Cultivated. Seed.

473609 TO 474204-continued

- 474161. 48-069-11031. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474162. 48-069-11032. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474163. 48-069-11033. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474164. 48-069-11034. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474165. 48-069-11035. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474166. 48-069-11036. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474167. 48-069-11037. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474168. 48-069-11038. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474169. 48-069-11039. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474170. 48-069-11040. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474171. 48-069-11041. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474172. 48-069-11042. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474173. 48-069-11043. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474174. 48-069-11044. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474175. 48-069-11045. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474176. 48-069-11048. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474177. 48-069-11049. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474178. 48-069-11050. India. Selection made at Dezful, Iran.

473609 TO 474204-continued

- Cultivated. Seed.
474179. 48-069-11051. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474180. 48-069-11052. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474181. 48-069-11053. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474182. 48-069-11054. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474183. 48-069-11055. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474184. 48-069-11056. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474185. 48-069-11058. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474186. 48-069-11059. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474187. 48-069-11060. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474188. 48-069-11061. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474189. 48-069-11062. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474190. 48-069-11063. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474191. 48-069-11064. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474192. 48-069-11065. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474193. 48-069-11066. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474194. 48-069-11068. India. Selection made at Dezful, Iran.  
Cultivated. Seed.
474195. 48-069-11069. India. Selection made at Dezful, Iran.  
Cultivated. Seed.

**473609 TO 474204-continued**

- 474196. 48-069-11071. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474197. 48-069-11072. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474198. 48-069-11073. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474199. 48-069-11075. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474200. 48-069-11076. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474201. 48-069-11077. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474202. 48-069-11078. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474203. 48-069-11079. India. Selection made at Dezful, Iran. Cultivated. Seed.
- 474204. 48-069-11080. India. Selection made at Dezful, Iran. Cultivated. Seed.

**474205 TO 474212. Zea mays L. (Poaceae) Field corn.**

From Mexico. E. Powell, Navajo Gospel Mission, Sierra Madre. Received through G. Nabhan, Meals for Millions, Tucson, Arizona. Received October 1982.

- 474205. Z01 004. Mexico. Cesar farm, Rancho la Presa, Alamos, La Vinata, Rio Mayo, Sonora Province. 500M. Lat. 27 deg. N, Long. 109 deg. W. Ten row flour type. Cobs small. Seeds white. Pima-Papago race. Local name Blando de Sonora. Primitive Cultivar. Seed.
- 474206. Z01 005. Mexico. Farm, Vado Cuate, Rio Mayo, Sonora Province. 500M. Lat. 27 deg. N, Long. 109 deg. W. Eight to fourteen row type. Cob sizes variable. Seeds white. Local name Blando de Sonora, Harinoso de ocho. Primitive Cultivar. Seed.
- 474207. Z08 001. Mexico. V. Becerra farm, Terrero, Rio Mayo, Sonora Province. 500M. Lat. 27 deg. N, Long. 109 deg. W. An ancient type formerly in Arizona and New Mexico. Ten to fourteen row grinding type. Seeds yellow and white. Used for pinole. Some cristalino de chihuahua influence.

474205 TO 474212-continued

Local name Onaveno flint, Chuchuni sunu, or Pinineo.  
Primitive Cultivar. Seed.

474208. Z08 002. Mexico. Naguibampo, Rio Mayo, Sonora Province. 500M. Lat. 27 deg. N, Long. 109 deg. W. Eight to sixteen row flint grinding type. Possible contamination from one or two modern types. Used for pinole. Ancient onaveno with cristalino de chihuahua influence. Local name Onaveno/cristalino flint, or Mayo batchi. Primitive Cultivar. Seed.

474209. Z08 003. Mexico. J. Flores farm, Sejaqui, Rio Mayo, Sonora Province. 500M. Lat. 27 deg. N, Long. 109 deg. W. Grown in Warihio and Mayo Indian village. Twelve to sixteen row flint type. Cobs longer than typical onaveno. Seeds yellow. Local name Onaveno/cristalino flint, or Pinineo. Primitive Cultivar. Seed.

474210. Z08 004. Mexico. Cesar farm, Rancho la Presa, Alamos, La Vinata, Rio Mayo, Sonora Province. 500M. Lat. 27 deg. N, Long. 109 deg. W. Twelve row flint grinding type. Seeds yellow and white. Used for pinole. Local name Onaveno flint, or Pinineo. Primitive Cultivar. Seed.

474211. Z08 005. Mexico. L. Valenzuela farm, Vado Cuate, Rio Mayo, Sonora Province. 500M. Lat. 27 deg. N, Long. 109 deg. W. Eight to twelve row grinding type. Seeds yellow and white. Grown by Mayo Indians. Used for pinole. Some cristalino de chihuahua influence. Local name Onaveno flint, or Pinineo liquido. Primitive Cultivar. Seed.

474212. Z09 001. Mexico. G. Anay farm, San Bernardo, Rio Mayo, Sonora Province. 500M. Lat. 27 deg. N, Long. 109 deg. W. Ten row flour flint type. Some dent contamination. Seeds mostly white. Local name Cristalino flour/onaveno flint, or Pinineo. Primitive Cultivar. Seed.

474213 TO 474215. Zea mays L. (Poaceae) Sweet corn.

From Mexico. E. Powell, Navajo Gospel Mission, Sierra Madre.  
Received through G. Nabhan, Meals for Millions, Tucson,  
Arizona.  
Received October 1982.

474213. Z07 001. Mexico. V. Becerra farm, Terrero, Rio Mayo, Sonora Province. 500M. Lat. 27 deg. N, Long. 109 deg. W. Eight to ten row type. Some flour or flint contamination. Grown by Mayo Indians in Mayo/Warhio territory. Seeds variably colored. Local name Dulcillo de Noroeste, Caca sunu. Primitive Cultivar. Seed.

474214. Z07 002. Mexico. D. Martina farm, San Juan, Rio Mayo,

474213 TO 474215-continued

Sonora Province. 500M. Lat. 27 deg. N, Long. 109 deg. W.  
Ten row type. Cobs long. Seeds red. Local name Dulcillo  
de Noroeste, Caca sunu. Primitive Cultivar. Seed.

474215. Z07 003. Mexico. Cesar farm, Rancho la Presa, Alamos La  
Vinata, Rio Mayo, Sonora Province. 500M. Lat. 27 deg. N,  
Long. 109 deg. W. Twelve row type. Seeds yellow. Local  
name Dulcillo de Noroeste. Primitive Cultivar. Seed.

474216. *Andropogon gerardii* Vitm. (Poaceae) Big bluestem.

From United States. Plant Materials Center, Soil Conservation  
Service, USDA, Elsberry, Missouri. Received through  
National Plant Materials Center, Beltsville, MD.  
Received November 1982.

T 5067. 'Rountree'. United States. Collected September  
1952. Polk County, Iowa. Collected by V. B. Hawk.  
Seedling emergence and growth rapid. Lodging and rust  
resistance improved over 'Kaw', 'Champ' and 'Pawnee'.  
Cultivar. Seed.

474217 TO 474578. *Phaseolus vulgaris* L. (Fabaceae) Garden bean.

From India. Regional Pulse Improvement Project, Agency for  
International Development & U.S. Dept. of Agriculture,  
New Delhi.  
Received October 1980.

474217. 65-157-00017. Metisse. United States. Cultivated. Seed.
474218. 65-157-00018. Contender. United States. Cultivated. Seed.
474219. 65-071-00019. Iran. Esfahan. Cultivated. Seed.
474220. 65-071-00047. Iran. Tehran. Ministry of Agriculture. 394.  
Cultivated. Seed.
474221. 65-071-00050. Iran. Tehran. Ministry of Agriculture. 10.  
Karaj. Cultivated. Seed.
474222. 65-071-00057. Iran. Tehran. Ministry of Agriculture.  
2394. Cultivated. Seed.
474223. 65-071-00064. Iran. Bojnourd. Cultivated. Seed.
474224. 65-157-00067. Great Northern 1140. United States.  
Cultivated. Seed.
474225. 65-027-00070. Canada. Referred to as Red Mexican. Seeds  
white. Cultivated. Seed.



474217 TO 474578-continued

474226. 65-071-00349. Iran. Bojnourd. Cultivated. Seed.  
474227. 65-071-00352. Iran. Golpayegan. Cultivated. Seed.  
474228. 65-071-00364. Iran. Rasht. Cultivated. Seed.  
474229. 65-071-00369. Iran. Rasht. Cultivated. Seed.  
474230. 65-071-00372. Iran. Shahroud. Cultivated. Seed.  
474231. 65-071-00384. Iran. Gonbade Ghabus. Cultivated. Seed.  
474232. 65-071-00410. Iran. Rafsanjan. Cultivated. Seed.  
474233. 65-071-00414. Iran. Esfahan. Cultivated. Seed.  
474234. 65-071-00415. Iran. Fars. Cultivated. Seed.  
474235. 65-071-00416. Iran. Fars. Cultivated. Seed.  
474236. 65-071-00417. Iran. Fars. Cultivated. Seed.  
474237. 65-071-00421. Iran. Esfahan. Cultivated. Seed.  
474238. 65-071-00422. Iran. Fars. Cultivated. Seed.  
474239. 65-085-00432. Lebanon. Cultivated. Seed.  
474240. 65-085-00433. Lebanon. Cultivated. Seed.  
474241. 65-085-00434. Lebanon. Cultivated. Seed.  
474242. 65-085-00437. Lebanon. Cultivated. Seed.  
474243. 65-085-00441. Lebanon. Cultivated. Seed.  
474244. 65-085-00442. Lebanon. Cultivated. Seed.  
474245. 65-085-00443. Lebanon. Cultivated. Seed.  
474246. 65-071-00454. Iran. Esfahan. Cultivated. Seed.  
474247. 65-071-00456. Iran. Abbasabad Torbat. Cultivated. Seed.  
474248. 65-071-00461. Iran. Kermanshah. Cultivated. Seed.  
474249. 65-071-00462. Iran. Kermanshah. Cultivated. Seed.  
474250. 65-071-00465. Iran. Ghouchan. Cultivated. Seed.  
474251. 65-071-00467. Iran. Kermanshah. Cultivated. Seed.

474217 TO 474578-continued

474252. 65-071-00468. Iran. Vicinity of Esfahan. Cultivated. Seed.
474253. 65-071-00480. Iran. Vicinity of Esfahan. Cultivated. Seed.
474254. 65-071-00482. Iran. Ghouchan. Cultivated. Seed.
474255. 65-071-00484. Iran. Ghouchan. Cultivated. Seed.
474256. 65-071-00485. Iran. Vicinity of Esfahan. Cultivated. Seed.
474257. 65-071-00488. Iran. Cultivated. Seed.
474258. 65-085-00489. Lebanon. Cultivated. Seed.
474259. 65-071-00491. Iran. Vicinity of Esfahan. Cultivated. Seed.
474260. 65-071-00499. Iran. Esfahan. Cultivated. Seed.
474261. 65-071-00500. Iran. Esfahan. Cultivated. Seed.
474262. 65-071-00501. Iran. Vicinity of Esfahan. Cultivated. Seed.
474263. 65-071-00502. Iran. Vicinity of Esfahan. Cultivated. Seed.
474264. 65-071-00504. Iran. Ghouchan Daghian. Cultivated. Seed.
474265. 65-071-00507. Iran. Esfahan. Cultivated. Seed.
474266. 65-071-00508. Iran. Vicinity of Esfahan. Cultivated. Seed.
474267. 65-071-00509. Iran. Vicinity of Esfahan. Cultivated. Seed.
474268. 65-071-00510. Iran. Cultivated. Seed.
474269. 65-071-00511. Iran. Cultivated. Seed.
474270. 65-071-00514. Iran. Cultivated. Seed.
474271. 65-071-00516. Iran. Chalet keu Dareh gaz. Cultivated. Seed.
474272. 65-085-00518. Lebanon. Cultivated. Seed.
474273. 65-071-00519. Iran. Cultivated. Seed.

474217 TO 474578-continued

474274. 65-071-00520. Iran. Esfahan. Cultivated. Seed.
474275. 65-071-00521. Iran. Esfahan. Cultivated. Seed.
474276. 65-071-00522. Iran. Esfahan. Cultivated. Seed.
474277. 65-071-00523. Iran. Esfahan. Cultivated. Seed.
474278. 65-071-00524. Iran. Vicinity of Esfahan. Cultivated.  
Seed.
474279. 65-071-00526. Iran. Ghouchan. Cultivated. Seed.
474280. 65-071-00527. Iran. Ghouchan Daghan. Cultivated. Seed.
474281. 65-071-00528. Iran. Ghouchan. Cultivated. Seed.
474282. 65-071-00529. Iran. Vicinity of Esfahan. Cultivated.  
Seed.
474283. 65-071-00530. Iran. Kermanshah Chamchal. Cultivated.  
Seed.
474284. 65-071-00531. Iran. Kermanshah. Cultivated. Seed.
474285. 65-071-00532. Iran. Cultivated. Seed.
474286. 65-071-00533. Iran. Cultivated. Seed.
474287. 65-071-00541. Iran. Vicinity of Esfahan. Cultivated.  
Seed.
474288. 65-071-00542. Iran. Kermanshah. Cultivated. Seed.
474289. 65-071-00543. Iran. Vicinity of Esfahan. Cultivated.  
Seed.
474290. 65-071-00546. Iran. Dashtsar Safar Khaled. Cultivated.  
Seed.
474291. 65-071-00547. Iran. Nishabour. Cultivated. Seed.
474292. 65-071-00548. Iran. Dashtsar Safar ghaleh. Cultivated.  
Seed.
474293. 65-071-00549. Iran. Torbat Heydarieh. Cultivated. Seed.
474294. 65-071-00552. Iran. Dashtsar Safar Ghaleh. Cultivated.  
Seed.
474295. 65-071-00553. Iran. Cultivated. Seed.

474217 TO 474578-continued

474296. 65-071-00554. Iran. Kermanshah. Cultivated. Seed.  
474297. 65-071-00555. Iran. Kermanshah. Cultivated. Seed.  
474298. 65-071-00556. Iran. Kermanshah. Cultivated. Seed.  
474299. 65-071-00557. Iran. Kermanshah. Cultivated. Seed.  
474300. 65-071-00558. Iran. Nishabour. Cultivated. Seed.  
474301. 65-071-00559. Iran. Nishabour. Cultivated. Seed.  
474302. 65-071-00561. Iran. Darehgaz Safar Ghaleh. Cultivated.  
Seed.  
474303. 65-071-00562. Iran. Darehgaz Safar Ghaleh. Cultivated.  
Seed.  
474304. 65-071-00567. Iran. Kermanshah. Cultivated. Seed.  
474305. 65-071-00568. Iran. Kermanshah. Cultivated. Seed.  
474306. 65-071-00570. Iran. Kermanshah. Cultivated. Seed.  
474307. 65-071-00571. Iran. Kermanshah. Cultivated. Seed.  
474308. 65-071-00572. Iran. Darehgaz Safar ghaleh. Cultivated.  
Seed.  
474309. 65-071-00573. Iran. Cultivated. Seed.  
474310. 65-071-00574. Iran. Cultivated. Seed.  
474311. 65-071-00576. Iran. Ghouchan. Cultivated. Seed.  
474312. 65-071-00578. Iran. Nishabour. Cultivated. Seed.  
474313. 65-071-00579. Iran. Vicinity of Esfahan. Cultivated.  
Seed.  
474314. 65-071-00581. Iran. Darehgaz. Cultivated. Seed.  
474315. 65-071-00600. Iran. Dashtsar Amol. Cultivated. Seed.  
474316. 65-071-00601. Iran. Esfahan. Cultivated. Seed.  
474317. 65-071-00602. Iran. Esfahan. Cultivated. Seed.  
474318. 65-071-00603. Iran. Esfahan. Cultivated. Seed.  
474319. 65-071-00604. Iran. Esfahan. Cultivated. Seed.

474217 TO 474578-continued

474320. 65-071-00605. Iran. Esfahan. Cultivated. Seed.
474321. 65-071-00606. Iran. Esfahan. Cultivated. Seed.
474322. 65-071-00607. Iran. Dashtsar Amol. Cultivated. Seed.
474323. 65-071-00609. Iran. Ghouchan. Cultivated. Seed.
474324. 65-071-00611. Iran. Ghouchan. Cultivated. Seed.
474325. 65-071-00612. Iran. Ghouchan. Cultivated. Seed.
474326. 65-071-00614. Iran. Ghouchan. Cultivated. Seed.
474327. 65-071-00615. Iran. Ghouchan. Cultivated. Seed.
474328. 65-071-00616. Iran. Ghouchan. Cultivated. Seed.
474329. 65-071-00617. Iran. Kermanshah. Cultivated. Seed.
474330. 65-071-00618. Iran. Ghouchan. Cultivated. Seed.
474331. 65-071-00619. Iran. Ghouchan. Cultivated. Seed.
474332. 65-071-00620. Iran. Karaj. Cultivated. Seed.
474333. 65-071-00621. Iran. Karaj. Cultivated. Seed.
474334. 65-071-00622. Iran. Karaj. Cultivated. Seed.
474335. 65-071-00623. Iran. Karaj. Cultivated. Seed.
474336. 65-071-00624. Iran. Karaj. Cultivated. Seed.
474337. 65-071-00625. Iran. Karaj. Cultivated. Seed.
474338. 65-071-00626. Iran. Karaj. Cultivated. Seed.
474339. 65-071-00627. Iran. Karaj. Cultivated. Seed.
474340. 65-071-00628. Iran. Karaj. Cultivated. Seed.
474341. 65-071-00629. Iran. Karaj. Cultivated. Seed.
474342. 65-071-00630. Iran. Kermanshah Chamchal. Cultivated.  
Seed.
474343. 65-071-00631. Iran. Kermanshah Chamchal. Cultivated.  
Seed.
474344. 65-071-00632. Iran. Kermanshah Chamchal. Cultivated.  
Seed.

474217 TO 474578-continued

474345. 65-071-00634. Iran. Kermanshah Chamchal. Cultivated. Seed.
474346. 65-071-00635. Iran. Kermanshah Chamchal. Cultivated. Seed.
474347. 65-071-00636. Iran. Kermanshah Chamchal. Cultivated. Seed.
474348. 65-071-00637. Iran. Shiraz. Cultivated. Seed.
474349. 65-071-00638. Iran. Shiraz. Cultivated. Seed.
474350. 65-071-00639. Iran. Shiraz. Cultivated. Seed.
474351. 65-071-00640. Iran. Shiraz. Cultivated. Seed.
474352. 65-071-00641. Iran. Shiraz. Cultivated. Seed.
474353. 65-071-00642. Iran. Shiraz. Cultivated. Seed.
474354. 65-071-00643. Iran. Shiraz. Cultivated. Seed.
474355. 65-071-00644. Iran. Shiraz. Cultivated. Seed.
474356. 65-085-00645. Lebanon. Cultivated. Seed.
474357. 65-085-00646. Lebanon. Cultivated. Seed.
474358. 65-085-00647. Lebanon. Cultivated. Seed.
474359. 65-085-00648. Lebanon. Cultivated. Seed.
474360. 65-071-00649. Iran. Cultivated. Seed.
474361. 65-071-00650. Iran. Cultivated. Seed.
474362. 65-071-00651. Iran. Esfahan. Cultivated. Seed.
474363. 65-071-00652. Iran. Esfahan. Cultivated. Seed.
474364. 65-071-00653. Iran. Esfahan. Cultivated. Seed.
474365. 65-071-00654. Iran. Esfahan. Cultivated. Seed.
474366. 65-071-00655. Iran. Esfahan. Cultivated. Seed.
474367. 65-071-00657. Iran. Dashtsar Amol. Cultivated. Seed.
474368. 65-071-00658. Iran. Dashtsar Amol. Cultivated. Seed.
474369. 65-071-00659. Iran. Ghouchan Daghan. Cultivated. Seed.

474217 TO 474578-continued

474370. 65-071-00660. Iran. Ghouchan Daghian. Cultivated. Seed.
474371. 65-071-00662. Iran. Ghouchan Daghian. Cultivated. Seed.
474372. 65-071-00663. Iran. Ghouchan Daghian. Cultivated. Seed.
474373. 65-071-00664. Iran. Dareh gaz Chalat Kou. Cultivated. Seed.
474374. 65-071-00665. Iran. Dareh gaz Chalat Kou. Cultivated. Seed.
474375. 65-071-00667. Iran. Ghouchan. Cultivated. Seed.
474376. 65-071-00670. Iran. Karaj. Cultivated. Seed.
474377. 65-071-00671. Iran. Karaj. Cultivated. Seed.
474378. 65-071-00672. Iran. Karaj. Cultivated. Seed.
474379. 65-071-00674. Iran. Karaj. Cultivated. Seed.
474380. 65-071-00675. Iran. Karaj. Cultivated. Seed.
474381. 65-071-00676. Iran. Karaj. Cultivated. Seed.
474382. 65-071-00677. Iran. Kermanshah Chamchal. Cultivated. Seed.
474383. 65-071-00678. Iran. Kermanshah Chamchal. Cultivated. Seed.
474384. 65-071-00679. Iran. Kermanshah Chamchal. Cultivated. Seed.
474385. 65-071-00680. Iran. Kermanshah Chamchal. Cultivated. Seed.
474386. 65-071-00681. Iran. Shiraz. Cultivated. Seed.
474387. 65-071-00683. Iran. Shiraz. Cultivated. Seed.
474388. 65-071-00684. Iran. Shiraz. Cultivated. Seed.
474389. 65-071-00685. Iran. Shiraz. Cultivated. Seed.
474390. 65-085-00686. Lebanon. Cultivated. Seed.
474391. 65-085-00687. Lebanon. Cultivated. Seed.
474392. 65-085-00689. Lebanon. Cultivated. Seed.

474217 TO 474578-continued

474393. 65-085-00690. Lebanon. Cultivated. Seed.
474394. 65-071-00691. Iran. Cultivated. Seed.
474395. 65-071-00692. Iran. Dashtsar Amol. Cultivated. Seed.
474396. 65-071-00693. Iran. Dareh gaz Chalat Kou. Cultivated. Seed.
474397. 65-071-00694. Iran. Ghouchan. Cultivated. Seed.
474398. 65-071-00695. Iran. Esfahan. Cultivated. Seed.
474399. 65-071-00696. Iran. Esfahan. Cultivated. Seed.
474400. 65-071-00697. Iran. Esfahan. Cultivated. Seed.
474401. 65-071-00698. Iran. Cultivated. Seed.
474402. 65-071-00699. Iran. Cultivated. Seed.
474403. 65-071-00700. Iran. Dareh gaz Safar ghaleh. Cultivated. Seed.
474404. 65-071-00701. Iran. Torbat Heydareid. Cultivated. Seed.
474405. 65-071-00702. Iran. Torbat Heydareid. Cultivated. Seed.
474406. 65-071-00704. Iran. Cultivated. Seed.
474407. 65-071-00705. Iran. Cultivated. Seed.
474408. 65-071-00706. Iran. Nishabour. Cultivated. Seed.
474409. 65-071-00707. Iran. Dareh gaz Safar Ghaleh. Cultivated. Seed.
474410. 65-071-00708. Iran. Kermanshah. Cultivated. Seed.
474411. 65-071-00709. Iran. Dareh gaz Safar Ghaleh. Cultivated. Seed.
474412. 65-071-00710. Iran. Kermanshah. Cultivated. Seed.
474413. 65-071-00711. Iran. Ghouchan. Cultivated. Seed.
474414. 65-071-00712. Iran. Dareh gaz Safar Ghaleh. Cultivated. Seed.
474415. 65-071-00713. Iran. Dareh gaz Safar Ghaleh. Cultivated. Seed.



474217 TO 474578-continued

474416. 65-071-00714. Iran. Darehgaz Safar Ghaleh. Cultivated. Seed.
474417. 65-071-00715. Iran. Vicinity of Esfahan. Cultivated. Seed.
474418. 65-071-00716. Iran. Ghouchan. Cultivated. Seed.
474419. 65-071-00717. Iran. Ghouchan. Cultivated. Seed.
474420. 65-071-00718. Iran. Kermanshah. Cultivated. Seed.
474421. 65-071-00719. Iran. Darehgaz Safar Ghaleh. Cultivated. Seed.
474422. 65-071-00720. Iran. Darehgaz Safar Ghaleh. Cultivated. Seed.
474423. 65-071-00721. Iran. Darehgaz Safar Ghaleh. Cultivated. Seed.
474424. 65-071-00722. Iran. Darehgaz Safar Ghaleh. Cultivated. Seed.
474425. 65-071-00723. Iran. Darehgaz Safar Ghaleh. Cultivated. Seed.
474426. 65-071-00724. Iran. Torbat Heydarieh. Cultivated. Seed.
474427. 65-071-00725. Iran. Torbat Heydarieh. Cultivated. Seed.
474428. 65-071-00726. Iran. Torbat Heydarieh. Cultivated. Seed.
474429. 65-071-00727. Iran. Cultivated. Seed.
474430. 65-071-00728. Iran. Cultivated. Seed.
474431. 65-071-00729. Iran. Cultivated. Seed.
474432. 65-071-00731. Iran. Nishabour Barmadan. Cultivated. Seed.
474433. 65-071-00732. Iran. Nishabour Barmadan. Cultivated. Seed.
474434. 65-071-00733. Iran. Nishabour Barmadan. Cultivated. Seed.
474435. 65-071-00734. Iran. Nishabour. Cultivated. Seed.
474436. 65-071-00735. Iran. Nishabour. Cultivated. Seed.
474437. 65-071-00736. Iran. Kermanshah. Cultivated. Seed.
474438. 65-071-00737. Iran. Dasht sar Amol. Cultivated. Seed.

474217 TO 474578-continued

474439. 65-071-00738. Iran. Ghouchan. Cultivated. Seed.
474440. 65-071-00739. Iran. Cultivated. Seed.
474441. 65-071-00740. Iran. Dasht sar Amol. Cultivated. Seed.
474442. 65-071-00742. Iran. Cultivated. Seed.
474443. 65-071-00743. Iran. Cultivated. Seed.
474444. 65-071-00744. Iran. Torbat Heydarieh. Cultivated. Seed.
474445. 65-071-00745. Iran. Cultivated. Seed.
474446. 65-085-00746. Lebanon. Cultivated. Seed.
474447. 65-071-00747. Iran. Dareh Gaz Saf. Cultivated. Seed.
474448. 65-071-00748. Iran. Nishabour Barmadan. Cultivated. Seed.
474449. 65-071-00750. Iran. Nishabour. Cultivated. Seed.
474450. 65-071-00751. Iran. Dareh Gaz Safar Ghaleh. Cultivated. Seed.
474451. 65-071-00752. Iran. Dareh Gaz Safar Ghaleh. Cultivated. Seed.
474452. 65-071-00753. Iran. Dareh Gaz Safar Ghaleh. Cultivated. Seed.
474453. 65-071-00754. Iran. Kermanshah. Cultivated. Seed.
474454. 65-071-00755. Iran. Ghouchan. Cultivated. Seed.
474455. 65-153-00756. Turkey. Lebochun. Cultivated. Seed.
474456. 65-153-00757. Turkey. Oturak. Cultivated. Seed.
474457. 65-153-00780. Turkey. Ankara. Cultivated. Seed.
474458. 65-153-00781. Turkey. Ankara. Cultivated. Seed.
474459. 65-153-00782. Turkey. Eskisehir. Cultivated. Seed.
474460. 65-153-00784. Turkey. Ankara. Cultivated. Seed.
474461. 65-153-00785. Turkey. Ankara. Cultivated. Seed.
474462. 65-038-00850. Cuba. Cultivated. Seed.
474463. 65-153-00925. Turkey. Sel. Cultivated. Seed.

474217 TO 474578-continued

- 474464. 65-153-00930. Turkey. Cultivated. Seed.
- 474465. 65-062-00931. Guatemala. Cultivated. Seed.
- 474466. 65-153-00938. Turkey. Cultivated. Seed.
- 474467. 65-096-00973. Mexico. Mixture. Cultivated. Seed.
- 474468. 65-153-00992. Turkey. Cultivated. Seed.
- 474469. 65-071-01093. Iran. Ghouchan. Cultivated. Seed.
- 474470. 65-071-01197. Iran. Shahreza. Cultivated. Seed.
- 474471. 65-153-01226. Turkey. Cultivated. Seed.
- 474472. 65-153-01228. Turkey. Cultivated. Seed.
- 474473. 65-071-01238. Iran. Zarand. Cultivated. Seed.
- 474474. 65-153-01411. Turkey. Cultivated. Seed.
- 474475. 65-153-01415. Turkey. Cultivated. Seed.
- 474476. 65-153-01416. Turkey. Cultivated. Seed.
- 474477. 65-069-01494. India. Cultivated. Seed.
- 474478. 65-153-01679. Turkey. Yalova. Cultivated. Seed.
- 474479. 65-153-01684. Turkey. Yalova. Cultivated. Seed.
- 474480. 65-153-01686. Turkey. Yalova. Cultivated. Seed.
- 474481. 65-153-01728. Turkey. Adapazari. Cultivated. Seed.
- 474482. 65-153-01738. Turkey. Kaymay Eskisehir. Cultivated. Seed.
- 474483. 65-153-01740. Turkey. Ankara. Cultivated. Seed.
- 474484. 65-153-01743. Turkey. Yalova. Cultivated. Seed.
- 474485. 65-153-01745. Turkey. Yalova. Cultivated. Seed.
- 474486. 65-153-01746. Turkey. Yalova. Cultivated. Seed.
- 474487. 65-153-01766. Turkey. Adapazari. Other identification No. 23. Cultivated. Seed.
- 474488. 65-096-01775. Mexico. Cultivated. Seed.
- 474489. 65-153-01805. Turkey. Adapazari. Other identification No.

474217 TO 474578-continued

19. Cultivated. Seed.
474490. 65-153-01823. Turkey. Adapazari. Other identification No. 17. Cultivated. Seed.
474491. 65-071-01832. Iran. Cultivated. Seed.
474492. 65-153-01840. Turkey. Bursa. Other identification No. 13. Cultivated. Seed.
474493. 65-153-01856. Turkey. Bursa. Other identification No. 12 B. Cultivated. Seed.
474494. 65-165-01867. Africa. Cultivated. Seed.
474495. 65-153-01875. Turkey. Bursa. Other identification No. 12 C. Cultivated. Seed.
474496. 65-153-01876. Turkey. Bursa. Other identification No. 10. Cultivated. Seed.
474497. 65-153-01901. Turkey. Bursa. Other identification No. 7. Cultivated. Seed.
474498. 65-071-01946. Iran. Rasht. Cultivated. Seed.
474499. 65-071-01947. Iran. Esfahan. Other identification No. 110. Cultivated. Seed.
474500. 65-071-01948. Iran. Shiraz. Other identification No. 178. Cultivated. Seed.
474501. 65-071-01950. Iran. Karaj. Other identification No. 149. Cultivated. Seed.
474502. 65-071-01966. Iran. Rasht. Other identification No. 185. Cultivated. Seed.
474503. 65-071-01969. Iran. Esfahan. Other identification No. 110. Cultivated. Seed.
474504. 65-071-01997. Iran. Torbat Heydarieh. Other identification No. 216. Cultivated. Seed.
474505. 65-085-01999. Lebanon. Other identification No. 132. Cultivated. Seed.
474506. 65-085-02051. Lebanon. Other identification No. 132. Cultivated. Seed.
474507. 65-071-02071. Iran. Fars. Other identification No. 104. Cultivated. Seed.

474217 TO 474578-continued

474508. 65-071-02074. Iran. Other identification No. 119.  
Cultivated. Seed.
474509. 65-085-02075. Lebanon. Other identification No. 132.  
Cultivated. Seed.
474510. 65-071-02076. Iran. Other identification No. 119.  
Cultivated. Seed.
474511. 65-153-02151. Turkey. Cultivated. Seed.
474512. 65-153-02190. Turkey. Cultivated. Seed.
474513. 65-153-02232. Turkey. Cultivated. Seed.
474514. 65-153-02307. Turkey. Cultivated. Seed.
474515. 65-153-02311. Turkey. Cultivated. Seed.
474516. 65-153-02312. Turkey. Cultivated. Seed.
474517. 65-153-02313. Turkey. Cultivated. Seed.
474518. 65-096-02418. Mexico. Other identification "B".  
Cultivated. Seed.
474519. 65-153-02435. Turkey. Other identification No. 559/7.  
Cultivated. Seed.
474520. 65-153-02443. Turkey. Other identification No. 567/10.  
Cultivated. Seed.
474521. 65-153-02458. Turkey. Other identification No. 111/1.  
Cultivated. Seed.
474522. 65-153-02460. Turkey. Other identification No. 70/1-2.  
Cultivated. Seed.
474523. 65-153-02461. Turkey. Other identification No. 70/1-1.  
Cultivated. Seed.
474524. 65-153-02468. Turkey. Other identification No. 724/1-2.  
Cultivated. Seed.
474525. 65-153-02469. Turkey. Other identification No. 717/1-5.  
Cultivated. Seed.
474526. 65-153-02476. Turkey. Other identification No. 733/2-1.  
Cultivated. Seed.
474527. 65-153-02477. Turkey. Other identification No. 578/5.  
Cultivated. Seed.

474217 TO 474578-continued

474528. 65-153-02481. Turkey. Other identification No. 575/2.  
Cultivated. Seed.
474529. 65-153-02482. Turkey. Other identification No. 575/6.  
Cultivated. Seed.
474530. 65-153-02490. Turkey. Other identification No. 569/3.  
Cultivated. Seed.
474531. 65-153-02491. Turkey. Other identification No. 568/7.  
Cultivated. Seed.
474532. 65-153-02502. Turkey. Other identification No. 672/7.  
Cultivated. Seed.
474533. 65-153-02507. Turkey. Other identification No. 664/1.  
Cultivated. Seed.
474534. 65-153-02509. Turkey. Other identification No. 663/5.  
Cultivated. Seed.
474535. 65-153-02510. Turkey. Other identification No. 663/4.  
Cultivated. Seed.
474536. 65-153-02514. Turkey. Other identification No. 689/8.  
Cultivated. Seed.
474537. 65-153-02516. Turkey. Other identification No. 588/2.  
Cultivated. Seed.
474538. 65-153-02517. Turkey. Other identification No. 588/1.  
Cultivated. Seed.
474539. 65-153-02519. Turkey. Other identification No. 586/8.  
Cultivated. Seed.
474540. 65-153-02522. Turkey. Other identification No. 585/5.  
Cultivated. Seed.
474541. 65-153-02524. Turkey. Other identification No. 583/3.  
Cultivated. Seed.
474542. 65-153-02527. Turkey. Other identification No. 582/5.  
Cultivated. Seed.
474543. 65-153-02529. Turkey. Other identification No. 731/2-2.  
Cultivated. Seed.
474544. 65-153-02530. Turkey. Other identification No. 579/7.  
Cultivated. Seed.
474545. 65-153-02534. Turkey. Other identification No. 871/1-10.

474217 TO 474578-continued

- Cultivated. Seed.
474546. 65-153-02537. Turkey. Other identification No. 870/1-1.  
Cultivated. Seed.
474547. 65-153-02541. Turkey. Other identification No. 849/1-5.  
Cultivated. Seed.
474548. 65-153-02542. Turkey. Other identification No. 841/1-4.  
Cultivated. Seed.
474549. 65-153-02547. Turkey. Other identification No. 833/2-4.  
Cultivated. Seed.
474550. 65-153-02554. Turkey. Other identification No. 822/2-3.  
Cultivated. Seed.
474551. 65-153-02555. Turkey. Other identification No. 822/2-4.  
Cultivated. Seed.
474552. 65-153-02560. Turkey. Other identification No. 803/1-1.  
Cultivated. Seed.
474553. 65-153-02561. Turkey. Other identification No. 568/3.  
Cultivated. Seed.
474554. 65-078-02574. Japan. Takara. Shoza P. aun. Cultivated.  
Seed.
474555. 65-000-02575. Cultivated. Seed.
474556. 65-000-02576. Cultivated. Seed.
474557. 65-000-02577. Cultivated. Seed.
474558. 65-000-02579. Cultivated. Seed.
474559. 65-000-02581. Cultivated. Seed.
474560. 65-000-02582. Cultivated. Seed.
474561. 65-000-02583. Cultivated. Seed.
474562. 65-000-02584. Cultivated. Seed.
474563. 65-000-02585. Cultivated. Seed.
474564. 65-000-02586. Cultivated. Seed.
474565. 65-000-02587. Cultivated. Seed.
474566. 65-000-02588. Cultivated. Seed.

474217 TO 474578-continued

- 474567. 65-000-02589. Cultivated. Seed.
- 474568. 65-000-02591. Cultivated. Seed.
- 474569. 65-000-02592. Cultivated. Seed.
- 474570. 65-000-02593. Cultivated. Seed.
- 474571. 65-000-02594. Cultivated. Seed.
- 474572. 65-000-02595. Cultivated. Seed.
- 474573. 65-000-02606. Cultivated. Seed.
- 474574. 65-000-02608. Cultivated. Seed.
- 474575. 65-000-02609. Cultivated. Seed.
- 474576. 65-000-02611. Cultivated. Seed.
- 474577. 65-000-02614. Cultivated. Seed.
- 474578. 65-153-02288. Turkey. Cultivated. Seed.

474579 TO 474580. *Oryza sativa* L. (Poaceae) Rice.

From United States. Arkansas Agricultural Experiment Station, ARS-USDA, Univ. of Arkansas, Rice Res. & Extension Center, Stuttgart, Arkansas.  
Received December 1982.

- 474579. 'Bond'. United States. Vegold/CI9556//Dawn/3/Starbonnet/Taducan. Plants very short season, short-statured, long-grain type. Tillering more profuse than Labelle. Seeds size large. Yield high. More resistant to lodging than Labelle. Disease resistance similar to Labelle. Cultivar. Seed.
- 474580. 'Newbonnet'. United States. Dawn/Bonnet73. Plants short-statured, long-grain type. Color darker green than Starbonnet. Leaves narrower, more erect. Kernel weight 11% heavier. Yield 12% higher. Disease resistance similar to Starbonnet, but more resistant to blast disease fungus. Cultivar. Seed.

474581. *Triticum aestivum* L. (Poaceae) Common wheat.

From United States. Maryland Agricultural Experiment Station & U.S. Department of Agriculture, College Park, Maryland.  
Received December 1982.



474581-continued

MD 286. United States. T. M. Starling. VA68-26-331/6/  
Thorne\*5/199-4/5/Thorne/4/Taylor\*1/2/Norin10/Brevor/3/  
unknown. Soft red type. Maturity late. Plants medium-tall.  
Straw strength excellent. Resistant to powdery mildew and  
leaf rust. Milling/baking quality good. Winter Annual.  
Breeding Material. Seed.

474582 TO 475743. *Sorghum bicolor* (L.) Moench (Poaceae) Sorghum.

From Yemen Arab Republic. R. L. Voigt and M. A. El Lakany, Univ.  
of Arizona USAID Sorghum/Millet Program & Field Crop Div.,  
UN Development Program, FAO, Tucson, Arizona and Taiz.  
Received November 1982.

474582. 1146. Yemen Arab Republic. Eriyan. 2800M. Race kafir.  
Head type 3 - open, elongated, elliptical. Seeds yellow.  
Cultivated. Seed.
474583. 1147. Yemen Arab Republic. Al Koula. 1500M. Race kafir  
caudatum. Head type 3 - open, elongated, elliptical.  
Seeds yellow and orange. Cultivated. Seed.
474584. 1148. Yemen Arab Republic. Al Koula. 1500M. Race durra  
caudatum. Head type 3 - open, elongated, elliptical.  
Seeds white. Cultivated. Seed.
474585. 1149. Yemen Arab Republic. Al Koula. 1500M. Race bicolor.  
Head type 3 - open, elongated, elliptical. Seeds white.  
Cultivated. Seed.
474586. 1150. Yemen Arab Republic. Al Koula. 1500M. Race durra  
caudatum. Head type 3 - open, elongated, elliptical.  
Seeds white. Cultivated. Seed.
474587. 1151. Yemen Arab Republic. Al Koula. 1500M. Race  
caudatum durra. Head type 3 - open, elongated, elliptical.  
Seeds yellow. Cultivated. Seed.
474588. 1152. Yemen Arab Republic. Al Koula. 1500M. Race durra  
kafir. Head type 3 - open, elongated, elliptical. Seeds  
white. Cultivated. Seed.
474589. 1153. Yemen Arab Republic. Al Koula. 1500M. Race  
caudatum. Head type 3 - open, elongated, elliptical.  
Seeds yellow and red. Cultivated. Seed.
474590. 1154. Yemen Arab Republic. Al Koula. 1500M. Race durra  
kafir. Head type 3 - open, elongated, elliptical. Seeds  
white. Cultivated. Seed.
474591. 1155. Yemen Arab Republic. Bab Al Naga. 2800M. Race

474582 TO 475743-continued

- caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474592. 1156. Yemen Arab Republic. Bait Al Galae. 2500M. Race kafir bicolor. Head type 6 - semi-compact, elliptical. Seeds white and red. Cultivated. Seed.
474593. 1157. Yemen Arab Republic. Bait Al Galae. 2500M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds yellow and red. Cultivated. Seed.
474594. 1158. Yemen Arab Republic. Bait Al Galae. 2500M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
474595. 1159. Yemen Arab Republic. Bait Al Naga. 2800M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474596. 1160. Yemen Arab Republic. Bab Al Naga. 2800M. Race caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474597. 1161. Yemen Arab Republic. Bab Al Naga. 2800M. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474598. 1162. Yemen Arab Republic. Bab Al Naga. 2800M. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474599. 1163. Yemen Arab Republic. Bab Al Naga. 2800M. Race kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474600. 1164. Yemen Arab Republic. Bab Al Naga. 2800M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow and pink. Cultivated. Seed.
474601. 1165. Yemen Arab Republic. Bab Al Naga. 2800M. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474602. 1166. Yemen Arab Republic. Bab Al Naga. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow and white. Cultivated. Seed.

474582 TO 475743-continued

474603. 1167. Yemen Arab Republic. Bait Hajar Sn-Hd Road. 2100M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
474604. 1168. Yemen Arab Republic. Bait Hajar. 2100M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
474605. 1169. Yemen Arab Republic. Bait Hajar. 2100M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
474606. 1170. Yemen Arab Republic. Bait Hajar. 2100M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
474607. 1171. Yemen Arab Republic. Bab Al Naka. 2800M. Race kafir caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474608. 1172. Yemen Arab Republic. Bab Al Naka. 2800M. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474609. 1173. Yemen Arab Republic. Bab Al Naka. 2800M. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474610. 1174. Yemen Arab Republic. Bab Al Naka. 2800M. Race caudatum kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474611. 1175. Yemen Arab Republic. Kiri Sn-Hd Road. 2500M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474612. 1176. Yemen Arab Republic. Al Koula Dalil-Eriyan. 1600M. Race durra. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474613. 1177. Yemen Arab Republic. Al Koula Dalil-Eriyan. 1600M. Race kafir. Head type 5 - semi-compact, ovate. Seeds yellow and white. Cultivated. Seed.
474614. 1178. Yemen Arab Republic. Al Koula Dalil-Eriyan. 1600M. Race caudatum bicolor. Head type 3 - open, elongated, elliptical. Seeds light red. Cultivated. Seed.
474615. 1179. Yemen Arab Republic. Al Koula Dalil-Eriyan. 1600M.

474582 TO 475743-continued

- Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474616. 1180. Yemen Arab Republic. Al Koula Dalil-Eriyan. 1600M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow and white. Cultivated. Seed.
474617. 1181. Yemen Arab Republic. Eriyan. 2800M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474618. 1183. Yemen Arab Republic. Eriyan. 2800M. Race kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474619. 1184. Yemen Arab Republic. Eriyan. 2800M. Race durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474620. 1185. Yemen Arab Republic. Eriyan. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
474621. 1186. Yemen Arab Republic. Eriyan. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474622. 1188. Yemen Arab Republic. Eriyan. 2800M. Race durra. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
474623. 1189. Yemen Arab Republic. Eriyan. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
474624. 1191. Yemen Arab Republic. Eriyan. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474625. 1192. Yemen Arab Republic. Eriyan. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474626. 1193. Yemen Arab Republic. Eriyan. 2800M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow and white. Cultivated. Seed.

474582 TO 475743-continued

474627. 1194. Yemen Arab Republic. Eriyan. 2800M. Race durra caudatum. Head type 2 - very open, loose, similar to S. sudanense. Seeds light orange. Cultivated. Seed.
474628. 1195. Yemen Arab Republic. Eriyan. 2800M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds white and yellow. Cultivated. Seed.
474629. 1196. Yemen Arab Republic. Eriyan. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474630. 1197. Yemen Arab Republic. Eriyan. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474631. 1198. Yemen Arab Republic. Arab Eriyan. 1800M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474632. 1199. Yemen Arab Republic. Arab Eriyan. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474633. 1200. Yemen Arab Republic. Arab Eriyan. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
474634. 1201. Yemen Arab Republic. Arab Eriyan. 1800M. Race durra caudatum. Head type 6- semi-compact, elliptical. Seeds brown. Cultivated. Seed.
474635. 1202. Yemen Arab Republic. Arab Eriyan. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474636. 1203. Yemen Arab Republic. Arab Eriyan. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474637. 1204. Yemen Arab Republic. Arab Eriyan. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow and white. Cultivated. Seed.
474638. 1206. Yemen Arab Republic. Arab Eriyan. 1800M. Race

474582 TO 475743-continued

- durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
474639. 1207. Yemen Arab Republic. Arab Eriyan. 1800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
474640. 1208. Yemen Arab Republic. Najha Eriyan. 1700M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
474641. 1209. Yemen Arab Republic. Najha Eriyan. 1700M. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474642. 1210. Yemen Arab Republic. Najha Eriyan. 1700M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474643. 1211. Yemen Arab Republic. Najha Eriyan. 1700M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474644. 1212. Yemen Arab Republic. Najha Eriyan. 1700M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474645. 1213. Yemen Arab Republic. Najha Eriyan. 1700M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
474646. 1214. Yemen Arab Republic. Najha Eriyan. 1700M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474647. 1215. Yemen Arab Republic. Najha Eriyan. 1700M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474648. 1216. Yemen Arab Republic. Sadda. 2300M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.

474582 TO 475743-continued

474649. 1217. Yemen Arab Republic. Al Mundah. 2500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow and tan. Cultivated. Seed.
474650. 1218. Yemen Arab Republic. Al Joubal. 2400M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474651. 1219. Yemen Arab Republic. Arbath. 2300M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474652. 1220. Yemen Arab Republic. The Sella. 2400M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474653. 1221. Yemen Arab Republic. The Sella. 2400M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474654. 1222. Yemen Arab Republic. Hagag. 2400M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474655. 1223. Yemen Arab Republic. Kitab-Sadda. 2300M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474656. 1224. Yemen Arab Republic. Al Joubal. 2400M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474657. 1225. Yemen Arab Republic. Al Sadda. 2300M. Race durra. Head type 5 - semi-compact, ovate. Seeds tan and yellow. Cultivated. Seed.
474658. 1226. Yemen Arab Republic. Al Sadda. 2300M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474659. 1227. Yemen Arab Republic. Al Joubal. 2400M. Race durra. Head type 5 - semi-compact, ovate. Seeds tan and yellow. Cultivated. Seed.
474660. 1228. Yemen Arab Republic. Arbath. 2300M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds yellow and white. Cultivated. Seed.
474661. 1229. Yemen Arab Republic. Arbath. 2300M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow and white. Cultivated. Seed.

474582 TO 475743-continued

474662. 1230. Yemen Arab Republic. Arbath. 2300M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474663. 1231. Yemen Arab Republic. Kitab. 2300M. Race caudatum durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474664. 1232. Yemen Arab Republic. Al Sadda. 2300M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474665. 1233. Yemen Arab Republic. Al Sadda. 2300M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474666. 1234. Yemen Arab Republic. Al Mindah. 2500M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474667. 1235. Yemen Arab Republic. Al Joubal. 2400M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474668. 1236. Yemen Arab Republic. The Sellel Al Sadda. 2400M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474669. 1237. Yemen Arab Republic. Kittab Al Sadda. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474670. 1238. Yemen Arab Republic. Kittab Al Sadda. 2800M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474671. 1239. Yemen Arab Republic. Al Sadda. 2300M. Race kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474672. 1240. Yemen Arab Republic. Al Sadda. 2300M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474673. 1241. Yemen Arab Republic. Kitab Al Sadda. 2300M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
474674. 1242. Yemen Arab Republic. Arbatah Sadda. 2300M. Race durra caudatum. Head type 3 - open, elongated, elliptical.



474582 TO 475743-continued

Seeds yellow. Cultivated. Seed.

474675. 1243. Yemen Arab Republic. Houra. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white and tan. Cultivated. Seed.
474676. 1244. Yemen Arab Republic. Shahan. 2300M. Race durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
474677. 1245. Yemen Arab Republic. Sadda. 2300M. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474678. 1246. Yemen Arab Republic. Al Sadda. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
474679. 1247. Yemen Arab Republic. Al Sadda. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474680. 1248. Yemen Arab Republic. Al Shira. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474681. 1249. Yemen Arab Republic. Al Shira. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474682. 1250. Yemen Arab Republic. Al Tabir. 2500M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474683. 1251. Yemen Arab Republic. Al Menkah. 2500M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
474684. 1252. Yemen Arab Republic. W. Al Tabir. 2500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474685. 1253. Yemen Arab Republic. Al Shira. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red. Cultivated. Seed.
474686. 1254. Yemen Arab Republic. Wadi Taliar. 2500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.

474582 TO 475743-continued

474687. 1255. Yemen Arab Republic. Wadi Taliar. 2400M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474688. 1256. Yemen Arab Republic. Al Mindah (Sadda). 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474689. 1257. Yemen Arab Republic. Wadi Al Tabir. 2500M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
474690. 1258. Yemen Arab Republic. Wadi Al Tabir. 2500M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474691. 1259. Yemen Arab Republic. Al Sadda. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474692. 1260. Yemen Arab Republic. Wadi Al Tabir. 2400M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474693. 1261. Yemen Arab Republic. Wadi Al Tabir. 2400M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474694. 1262. Yemen Arab Republic. Al Sadda. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474695. 1263. Yemen Arab Republic. Houra. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474696. 1264. Yemen Arab Republic. Al Ribat. 2400M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474697. 1265. Yemen Arab Republic. Wadi Al Taliar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
474698. 1266. Yemen Arab Republic. Wadi Al Taliar. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base,

474582 TO 475743-continued

with usually a recurved peduncle. Seeds tan and yellow.  
Cultivated. Seed.

474699. 1268. Yemen Arab Republic. Al Mindah. 2500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light yellow. Cultivated. Seed.
474700. 1269. Yemen Arab Republic. Al Mindah. 2500M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
474701. 1270. Yemen Arab Republic. Shirah. 2500M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474702. 1271. Yemen Arab Republic. The Sellel. 2400M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474703. 1272. Yemen Arab Republic. Al Mindah. 2500M. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474704. 1278. Yemen Arab Republic. Sahn Sadda. 2800M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474705. 1279. Yemen Arab Republic. Hagag. 2400M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474706. 1280. Yemen Arab Republic. Houra. 2600M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474707. 1281. Yemen Arab Republic. Kitab Al Sadda. 2300M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474708. 1282. Yemen Arab Republic. Tashira'a. 2600M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
474709. 1283. Yemen Arab Republic. Al Shira'a. 2500M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds dark yellow. Cultivated. Seed.
474710. 1284. Yemen Arab Republic. Haura. 2600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474711. 1285. Yemen Arab Republic. Al Shira'a. 2500M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow.

474582 TO 475743-continued

Cultivated. Seed.

474712. 1286. Yemen Arab Republic. Al Joubal. 2600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds brown. Cultivated. Seed.
474713. 1287. Yemen Arab Republic. Hagag. 2400M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
474714. 1288. Yemen Arab Republic. Al Joubal. 2600M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
474715. 1289. Yemen Arab Republic. Sumara Yarim. 2800M. Race durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
474716. 1291. Yemen Arab Republic. Sumara Yarim. 2800M. Race durra caudatum. Head 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.
474717. 1293. Yemen Arab Republic. Sumara Yarim. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
474718. 1294. Yemen Arab Republic. Sumara Yarim. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
474719. 1296. Yemen Arab Republic. Sumara Yarim. 2800M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and brown. Cultivated. Seed.
474720. 1297. Yemen Arab Republic. Bab Al Naga. 2800M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474721. 1298. Yemen Arab Republic. Bab Al Naga. 2800M. Race caudatum bicolor. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474722. 1299. Yemen Arab Republic. Bab Al Naga. 2800M. Race caudatum kafir. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474723. 1300. Yemen Arab Republic. Bab Al Naga. 2800M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds

474582 TO 475743-continued

- white. Cultivated. Seed.
474724. 1301. Yemen Arab Republic. Tagarib. 2400M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474725. 1302. Yemen Arab Republic. Tagarib. 2200M. Race durra. Head type 5 - semi-compact, ovate. Seeds light brown. Cultivated. Seed.
474726. 1303. Yemen Arab Republic. Bait Al Gulami. 2200M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light red. Cultivated. Seed.
474727. 1304. Yemen Arab Republic. Mouza. 250M. Race caudatum kafir. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
474728. 1305. Yemen Arab Republic. Mouza. 250M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474729. 1306. Yemen Arab Republic. Mouza. 250M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474730. 1307. Yemen Arab Republic. Mouza. 250M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
474731. 1308. Yemen Arab Republic. Mouza. 250M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
474732. 1313. Yemen Arab Republic. Mouza. 250M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
474733. 1319. Yemen Arab Republic. Mouza. 250M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
474734. 1322. Yemen Arab Republic. Mouza. 250M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474735. 1324. Yemen Arab Republic. Mouza. 250M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
474736. 1327. Yemen Arab Republic. Mouza. 250M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.

474582 TO 475743-continued

474737. 1332. Yemen Arab Republic. Mouza. 250M. Race kafir. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds brown. Cultivated. Seed.
474738. 1333. Yemen Arab Republic. Al Baida. 1300M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474739. 1337. Yemen Arab Republic. Ibb. 2000M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474740. 1338. Yemen Arab Republic. Ibb. 2000M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474741. 1340. Yemen Arab Republic. Ibb. 2000M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474742. 1341. Yemen Arab Republic. Ibb. 2000M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
474743. 1342. Yemen Arab Republic. Ibb. 2000M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474744. 1343. Yemen Arab Republic. Ibb. 2000M. Race durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
474745. 1344. Yemen Arab Republic. Ibb. 2000M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light brown. Cultivated. Seed.
474746. 1345. Yemen Arab Republic. Sumara. 2700M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow and orange. Cultivated. Seed.
474747. 1346. Yemen Arab Republic. Ibb. 2000M. Race caudatum kafir. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
474748. 1347. Yemen Arab Republic. Ibb. 2000M. Race durra. Head type 6 - semi-compact, elliptical. Seeds orange and yellow. Cultivated. Seed.
474749. 1349. Yemen Arab Republic. Ibb. 2000M. Race durra Kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.

474582 TO 475743-continued

474750. 1350. Yemen Arab Republic. Ibb. 2000M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474751. 1352. Yemen Arab Republic. Yarim. 2600M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474752. 1355. Yemen Arab Republic. Yarim. 2600M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
474753. 1356. Yemen Arab Republic. Yarim. 2600M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and brown. Cultivated. Seed.
474754. 1357. Yemen Arab Republic. Sadda. 1800M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
474755. 1358. Yemen Arab Republic. Sadda. 1800M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474756. 1359. Yemen Arab Republic. Sadda. 1800M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds brown. Cultivated. Seed.
474757. 1360. Yemen Arab Republic. Sadda. 1800M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474758. 1361. Yemen Arab Republic. Sadda. 1800M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474759. 1362. Yemen Arab Republic. Arbataha Sadda. 2300M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474760. 1363. Yemen Arab Republic. Arbataha. 2300M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and yellow. Cultivated. Seed.
474761. 1364. Yemen Arab Republic. Sadda. 1800M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474762. 1366. Yemen Arab Republic. Attabir Sadda. 2300M. Race

474582 TO 475743-continued

- durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
474763. 1368. Yemen Arab Republic. Dihilliyal. 2300M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474764. 1369. Yemen Arab Republic. Sana Sadda Road. 2300M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474765. 1371. Yemen Arab Republic. Hal Sufiyan. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474766. 1372. Yemen Arab Republic. Sana-Sadda Road. 2450M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474767. 1376. Yemen Arab Republic. Masna'a Arish. 2400M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474768. 1377. Yemen Arab Republic. Al Masna'a Anis. 2400M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
474769. 1378. Yemen Arab Republic. Wadi Al Mamer. 2300M. Race caudatum durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474770. 1379. Yemen Arab Republic. Wadi Al Mamer. 2300M. Race caudatum durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
474771. 1380. Yemen Arab Republic. Wadi Al Mamer. 2300M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474772. 1381. Yemen Arab Republic. Shabiyafa. 2200M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
474773. 1382. Yemen Arab Republic. Shabiyafa. 2200M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474774. 1383. Yemen Arab Republic. Shabiyafa. 2200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical.



474582 TO 475743-continued

- Seeds yellow. Cultivated. Seed.
474775. 1384. Yemen Arab Republic. Shaaddef. 2200M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474776. 1386. Yemen Arab Republic. Al Wobach Eriyan. 1600M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474777. 1387. Yemen Arab Republic. Arab Eriyan. 1800M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds brown and orange. Cultivated. Seed.
474778. 1388. Yemen Arab Republic. Arab Eriyan. 1800M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
474779. 1389. Yemen Arab Republic. Ashahul. 1500M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474780. 1393. Yemen Arab Republic. Yarim. 2600M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan and orange. Cultivated. Seed.
474781. 1396. Yemen Arab Republic. Sumara-Yarim. 2500M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474782. 1397. Yemen Arab Republic. Al Wobach Eriyan. 1600M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
474783. 1398. Yemen Arab Republic. Al Ganad. 1600M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow and orange. Cultivated. Seed.
474784. 1399. Yemen Arab Republic. Manakha. 2200M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474785. 1400. Yemen Arab Republic. Sana. 2400M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow and tan. Cultivated. Seed.
474786. 1401. Yemen Arab Republic. Sana. 2400M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light yellow. Cultivated. Seed.

474582 TO 475743-continued

474787. 1402. Yemen Arab Republic. Sana. 2400M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds red and yellow. Cultivated. Seed.
474788. 1403. Yemen Arab Republic. Sana. 2400M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and yellow. Cultivated. Seed.
474789. 1404. Yemen Arab Republic. W. Zabid. 100M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
474790. 1405. Yemen Arab Republic. W. Zabid. 100M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
474791. 1406. Yemen Arab Republic. W. Zabid. 100M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
474792. 1407. Yemen Arab Republic. W. Zabid. 100M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
474793. 1408. Yemen Arab Republic. W. Zabid. 100M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
474794. 1409. Yemen Arab Republic. W. Zabid. 100M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
474795. 1410. Yemen Arab Republic. W. Zabid. 100M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
474796. 1411. Yemen Arab Republic. W. Zabid. 100M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
474797. 1413. Yemen Arab Republic. Manakhah. 2200M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
474798. 1414. Yemen Arab Republic. Birbasa. 1300M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
474799. 1415. Yemen Arab Republic. Birbasa. 1300M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical.

474582 TO 475743-continued

- Seeds orange and brown. Cultivated. Seed.
474800. 1416. Yemen Arab Republic. Heidran. 1150M. Race bicolor caudatum. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds brown. Cultivated. Seed.
474801. 1417. Yemen Arab Republic. Al Rabeyee. 1150M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
474802. 1418. Yemen Arab Republic. Al Ramadia. 1100M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474803. 1420. Yemen Arab Republic. Al Hasania. 1000M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds orange and white. Cultivated. Seed.
474804. 1421. Yemen Arab Republic. Ashmala. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
474805. 1422. Yemen Arab Republic. Ashmala. 1000M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474806. 1423. Yemen Arab Republic. Zabid. 100M. Race bicolor caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
474807. 1424. Yemen Arab Republic. Wadi Dabuwan. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
474808. 1425. Yemen Arab Republic. Amlah Wosta. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
474809. 1426. Yemen Arab Republic. Amlah Wosta. 1000M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474810. 1427. Yemen Arab Republic. Amlah Wosta. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and brown. Cultivated. Seed.
474811. 1428. Yemen Arab Republic. Amlah Wosta. 1000M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474812. 1429. Yemen Arab Republic. Road Sana-Hodeida. 2300M. Race kafir guinea. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.

474582 TO 475743-continued

474813. 1430. Yemen Arab Republic. Road Sana-Hodeida. 2300M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds orange and yellow. Cultivated. Seed.
474814. 1433. Yemen Arab Republic. Mouza. 250M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
474815. 1434. Yemen Arab Republic. Sumara Yarim. 2700M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
474816. 1435. Yemen Arab Republic. Sumara. 2900M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
474817. 1436. Yemen Arab Republic. Sumara. 2700M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown and red. Cultivated. Seed.
474818. 1437. Yemen Arab Republic. Sumara. 2700M. Race bicolor. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds light brown. Cultivated. Seed.
474819. 1439. Yemen Arab Republic. Sumara. 2700M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds yellow and orange. Cultivated. Seed.
474820. 1440. Yemen Arab Republic. Sumara. 2700M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474821. 1441. Yemen Arab Republic. Sumara. 2700M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474822. 1442. Yemen Arab Republic. Sumara. 2700M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474823. 1443. Yemen Arab Republic. Hiliyal Yarim. 2700M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow and brown. Cultivated. Seed.
474824. 1446. Yemen Arab Republic. Sumara. 2900M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
474825. 1447. Yemen Arab Republic. Sumara. 2800M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.

474582 TO 475743-continued

474826. 1451. Yemen Arab Republic. Dalil. 1600M. Race caudatum kafir. Head type 3 - open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
474827. 1452. Yemen Arab Republic. Dalil. 1600M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474828. 1453. Yemen Arab Republic. Dalil. 1600M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
474829. 1454. Yemen Arab Republic. Dalil. 1600M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474830. 1458. Yemen Arab Republic. Dalil-Hubaysh Road. 1600M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
474831. 1460. Yemen Arab Republic. Dalil-Hubaysh Road. 1600M. Race caudatum bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474832. 1461. Yemen Arab Republic. Dalil-Hubaysh Road. 1600M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
474833. 1462. Yemen Arab Republic. Dalil-Hubaysh Road. 1600M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
474834. 1463. Yemen Arab Republic. Dalil-Hubaysh Road. 1600M. Race bicolor caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
474835. 1466. Yemen Arab Republic. Al Shahul. 1500M. Race bicolor caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
474836. 1467. Yemen Arab Republic. Al Shahul. 1500M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
474837. 1468. Yemen Arab Republic. Al Shahul. 1500M. Race caudatum. Head type 6 - semi-compact, elliptical. Seeds brown and light yellow. Cultivated. Seed.
474838. 1471. Yemen Arab Republic. Ibb. 2000M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.

474582 TO 475743-continued

474839. 1472. Yemen Arab Republic. Ibb. 2000M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow and orange. Cultivated. Seed.
474840. 1474. Yemen Arab Republic. Ibb. 2000M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
474841. 1475. Yemen Arab Republic. Ibb. 2000M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474842. 1476. Yemen Arab Republic. Sayani. 2000M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474843. 1477. Yemen Arab Republic. Sayani. 2000M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474844. 1478. Yemen Arab Republic. Sayani. 2000M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
474845. 1479. Yemen Arab Republic. Sayani. 2000M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474846. 1480. Yemen Arab Republic. Sayani. 2000M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow and orange. Cultivated. Seed.
474847. 1483. Yemen Arab Republic. Al Ganad. 1600M. Race caudatum kafir. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
474848. 1484. Yemen Arab Republic. Ibb-Udayn Road. 2100M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474849. 1485. Yemen Arab Republic. Ibb-Udayn Road. 2100M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
474850. 1486. Yemen Arab Republic. Ibb-Udayn Road. 2100M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474851. 1488. Yemen Arab Republic. Ibb-Udayn Road. 2400M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds brown and yellow. Cultivated. Seed.

474582 TO 475743-continued

474852. 1490. Yemen Arab Republic. Ibb-Udayn Road. 2400M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds dark orange. Cultivated. Seed.
474853. 1496. Yemen Arab Republic. Ibb-Udayn Road. 2000M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474854. 1498. Yemen Arab Republic. Maitam. 1600M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and yellow. Cultivated. Seed.
474855. 1499. Yemen Arab Republic. Maitam. 1600M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474856. 1502. Yemen Arab Republic. Maitam. 1600M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474857. 1503. Yemen Arab Republic. Maitam. 1600M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474858. 1504. Yemen Arab Republic. Sabra. 1700M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow and white. Cultivated. Seed.
474859. 1505. Yemen Arab Republic. Sabra. 1700M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
474860. 1506. Yemen Arab Republic. Sabra. 1700M. Race durra bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow and dark orange. Cultivated. Seed.
474861. 1507. Yemen Arab Republic. Sabra. 1700M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
474862. 1508. Yemen Arab Republic. Sabra. 1700M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds yellow and orange. Cultivated. Seed.
474863. 1509. Yemen Arab Republic. Sabra. 1700M. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds yellow and dark orange. Cultivated. Seed.
474864. 1510. Yemen Arab Republic. Sabra. 1700M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.

474582 TO 475743-continued

474865. 1511. Yemen Arab Republic. Najd Al Jamai. 1750M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
474866. 1512. Yemen Arab Republic. Najd Al Jamai. 1750M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds yellow and white. Cultivated. Seed.
474867. 1513. Yemen Arab Republic. Kaeda. 1800M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow and white. Cultivated. Seed.
474868. 1514. Yemen Arab Republic. Kaeda. 1800M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474869. 1517. Yemen Arab Republic. Dhisufal. 2000M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds light yellow. Cultivated. Seed.
474870. 1520. Yemen Arab Republic. Hadga. 1000M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
474871. 1524. Yemen Arab Republic. Mawiyah. 1200M. Race bicolor. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds light brown. Cultivated. Seed.
474872. 1525. Yemen Arab Republic. Mawiyah. 1200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474873. 1526. Yemen Arab Republic. Saddah. 2300M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474874. 1527. Yemen Arab Republic. Saddah. 2300M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474875. 1530. Yemen Arab Republic. Saddah. 2300M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474876. 1531. Yemen Arab Republic. Saddah. 2300M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474877. 1532. Yemen Arab Republic. Saddah. 2300M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.



474582 TO 475743-continued

474878. 1537. Yemen Arab Republic. Turba. 2000M. Race caudatum. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds brown and tan. Cultivated. Seed.
474879. 1538. Yemen Arab Republic. Turba. 2000M. Race caudatum bicolor. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds yellow. Cultivated. Seed.
474880. 1539. Yemen Arab Republic. Turba. 2000M. Race kafir durra. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds white and brown. Cultivated. Seed.
474881. 1541. Yemen Arab Republic. Turba. 2000M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474882. 1542. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
474883. 1543. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds brown. Cultivated. Seed.
474884. 1544. Yemen Arab Republic. Turba. 2000M. Race caudatum durra. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds orange and tan. Cultivated. Seed.
474885. 1545. Yemen Arab Republic. Turba. 2000M. Race kafir guinea. Head type 6 - semi-compact, elliptical. Seeds dark brown. Cultivated. Seed.
474886. 1546. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and brown. Cultivated. Seed.
474887. 1548. Yemen Arab Republic. Turba. 2000M. Race caudatum kafir. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
474888. 1549. Yemen Arab Republic. Turba. 2000M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
474889. 1550. Yemen Arab Republic. Turba. 2000M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown and yellow. Cultivated. Seed.
474890. 1551. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.

474582 TO 475743-continued

474891. 1552. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
474892. 1553. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds dark orange and yellow. Cultivated. Seed.
474893. 1554. Yemen Arab Republic. Turba. 2000M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds dark red. Cultivated. Seed.
474894. 1555. Yemen Arab Republic. Turba. 2000M. Race durra bicolor. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
474895. 1556. Yemen Arab Republic. Turba. 2000M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
474896. 1557. Yemen Arab Republic. Turba. 2000M. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds yellow and brown. Cultivated. Seed.
474897. 1558. Yemen Arab Republic. Turba. 2000M. Race durra. Head type 3 - open, elongated, elliptical. Seeds dark brown. Cultivated. Seed.
474898. 1560. Yemen Arab Republic. Turba. 2000M. Race durra. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
474899. 1561. Yemen Arab Republic. Turba. 2000M. Race durra bicolor. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.
474900. 1562. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow and brown. Cultivated. Seed.
474901. 1564. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
474902. 1565. Yemen Arab Republic. Turba. 2000M. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds yellow and tan. Cultivated. Seed.
474903. 1567. Yemen Arab Republic. Turba. 2000M. Race durra. Head type 3 - open, elongated, elliptical. Seeds pink and orange. Cultivated. Seed.

474582 TO 475743-continued

474904. 1568. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds dark brown. Cultivated. Seed.
474905. 1571. Yemen Arab Republic. Turba. 2000M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and brown. Cultivated. Seed.
474906. 1572. Yemen Arab Republic. Turba. 2000M. Race durra. Head type 3 - open, elongated, elliptical. Seeds brown and red. Cultivated. Seed.
474907. 1574. Yemen Arab Republic. Turba. 2000M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds dark red. Cultivated. Seed.
474908. 1575. Yemen Arab Republic. Turba. 2000M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474909. 1576. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.
474910. 1578. Yemen Arab Republic. Turba. 2000M. Race caudatum. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds red and orange. Cultivated. Seed.
474911. 1580. Yemen Arab Republic. Turba. 2000M. Race durra caudatum. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds tan. Cultivated. Seed.
474912. 1581. Yemen Arab Republic. Turba. 2000M. Race caudatum. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds brown and white. Cultivated. Seed.
474913. 1585. Yemen Arab Republic. Turba. 2000M. Race caudatum. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds orange. Cultivated. Seed.
474914. 1587. Yemen Arab Republic. Turba. 2000M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474915. 1589. Yemen Arab Republic. Turba. 2000M. Race caudatum. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds orange. Cultivated. Seed.
474916. 1590. Yemen Arab Republic. Sana-Hodeida Road. 2500M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.

474582 TO 475743-continued

474917. 1592. Yemen Arab Republic. Sana-Hodeida Road. 2500M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474918. 1593. Yemen Arab Republic. Sana-Hodeida Road. 2500M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and yellow. Cultivated. Seed.
474919. 1594. Yemen Arab Republic. Sana-Hodeida Road. 2500M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474920. 1597. Yemen Arab Republic. Sana-Hodeida Road. 2500M. Race kafir bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474921. 1598. Yemen Arab Republic. Sana-Hodeida Road. 2500M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474922. 1602. Yemen Arab Republic. Turba. 2000M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.
474923. 1603. Yemen Arab Republic. Sabra. 1700M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
474924. 1604. Yemen Arab Republic. Ibb-Udayn Road. 2300M. Race bicolor. Head type 2 - very open, loose, similar to S. sudanense. Seeds yellow and white. Cultivated. Seed.
474925. 1605. Yemen Arab Republic. Ibb-Udayn Road. 2300M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474926. 1606. Yemen Arab Republic. Ibb-Udayn Road. 2300M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and yellow. Cultivated. Seed.
474927. 1609. Yemen Arab Republic. Sumara. 2700M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
474928. 1611. Yemen Arab Republic. Bagel. 190M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and white. Cultivated. Seed.
474929. 1613. Yemen Arab Republic. Bagel. 190M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.

474582 TO 475743-continued

474930. 1615. Yemen Arab Republic. Bagel. 190M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474931. 1617. Yemen Arab Republic. Bagel. 190M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
474932. 1618. Yemen Arab Republic. Bagel. 190M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474933. 1619. Yemen Arab Republic. Bagel. 190M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474934. 1620. Yemen Arab Republic. Bagel. 190M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474935. 1621. Yemen Arab Republic. Bagel. 190M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474936. 1622. Yemen Arab Republic. Bagel. 190M. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
474937. 1624. Yemen Arab Republic. Al Begaihem. 180M. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
474938. 1625. Yemen Arab Republic. Al Begaihem. 180M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
474939. 1626. Yemen Arab Republic. Bagel. 190M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
474940. 1627. Yemen Arab Republic. Bagel. 180M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474941. 1628. Yemen Arab Republic. Daar Albelegami. 180M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
474942. 1629. Yemen Arab Republic. Deer Al hagari. 180M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.

474582 TO 475743-continued

474943. 1631. Yemen Arab Republic. Al Begaihemi. 180M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
474944. 1632. Yemen Arab Republic. Al Begaihemi. 180M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
474945. 1633. Yemen Arab Republic. Al Begai Hegie. 180M. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
474946. 1634. Yemen Arab Republic. Al Begai Hegie. 180M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.
474947. 1635. Yemen Arab Republic. Al Begai Hegie. 180M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474948. 1636. Yemen Arab Republic. Al Hagabah. 180M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474949. 1637. Yemen Arab Republic. Al Begai Hegie. 180M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474950. 1638. Yemen Arab Republic. Dar Aliyal Kamph. 180M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474951. 1639. Yemen Arab Republic. Bagel. 180M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474952. 1641. Yemen Arab Republic. Dahana. 185M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
474953. 1642. Yemen Arab Republic. Al Hagabah. 180M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
474954. 1643. Yemen Arab Republic. Al Hagaheg. 185M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
474955. 1644. Yemen Arab Republic. Dahana Bagel. 185M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.

474582 TO 475743-continued

474956. 1645. Yemen Arab Republic. Bagel. 180M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
474957. 1646. Yemen Arab Republic. Al Hagaheg. 185M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474958. 1647. Yemen Arab Republic. Al Hagaheg. 185M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
474959. 1651. Yemen Arab Republic. Dahana. 185M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474960. 1652. Yemen Arab Republic. Dahana. 185M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
474961. 1653. Yemen Arab Republic. Dahana. 185M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
474962. 1656. Yemen Arab Republic. Dahana. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474963. 1657. Yemen Arab Republic. Dahana. 185M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
474964. 1659. Yemen Arab Republic. Bab Dohana. 175M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
474965. 1660. Yemen Arab Republic. Al Burti. 175M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
474966. 1661. Yemen Arab Republic. Al Bardi. 175M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan and brown. Cultivated. Seed.
474967. 1665. Yemen Arab Republic. Al Bardi. 175M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
474968. 1666. Yemen Arab Republic. Al Bardi. 175M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.

474582 TO 475743-continued

474969. 1667. Yemen Arab Republic. Al Burti. 175M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
474970. 1669. Yemen Arab Republic. Al Burti. 175M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
474971. 1673. Yemen Arab Republic. Al Hagaheg. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474972. 1675. Yemen Arab Republic. Al Houdah. 200M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474973. 1678. Yemen Arab Republic. Elam Abil. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
474974. 1679. Yemen Arab Republic. Elam Abil. 200M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
474975. 1682. Yemen Arab Republic. Elam Abil. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
474976. 1683. Yemen Arab Republic. Al Hutta. 200M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
474977. 1685. Yemen Arab Republic. Al Hutta. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474978. 1686. Yemen Arab Republic. Elam Abil. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474979. 1690. Yemen Arab Republic. Alaben. 200M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474980. 1691. Yemen Arab Republic. Alamade. 200M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
474981. 1695. Yemen Arab Republic. Al Hutta. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.



474582 TO 475743-continued

474982. 1696. Yemen Arab Republic. Al Hutta. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
474983. 1697. Yemen Arab Republic. Al Hutta. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
474984. 1698. Yemen Arab Republic. Al Assaraf. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
474985. 1699. Yemen Arab Republic. Al Assaraf. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474986. 1700. Yemen Arab Republic. Al Assaraf. 200M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
474987. 1701. Yemen Arab Republic. Al Assaraf. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
474988. 1702. Yemen Arab Republic. Al Assaraf. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474989. 1703. Yemen Arab Republic. Al Wozat. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
474990. 1704. Yemen Arab Republic. Al Assaraf. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
474991. 1707. Yemen Arab Republic. Al Assaraf. 200M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds orange and brown. Cultivated. Seed.
474992. 1709. Yemen Arab Republic. Al Assaraf. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474993. 1710. Yemen Arab Republic. Al Assaraf. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
474994. 1711. Yemen Arab Republic. Al Assaraf. 200M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.

474582 TO 475743-continued

474995. 1712. Yemen Arab Republic. Al Assaraf. 200M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
474996. 1713. Yemen Arab Republic. Al Assaraf. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
474997. 1714. Yemen Arab Republic. Al Assaraf. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
474998. 1715. Yemen Arab Republic. Al Assaraf. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
474999. 1716. Yemen Arab Republic. Al Assaraf. 200M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475000. 1717. Yemen Arab Republic. Al Assaraf. 200M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475001. 1718. Yemen Arab Republic. Al Nassa. 220M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds light brown. Cultivated. Seed.
475002. 1719. Yemen Arab Republic. Al Nassa. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475003. 1720. Yemen Arab Republic. Al Assaraf. 200M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475004. 1721. Yemen Arab Republic. Al Assaraf. 200M. Race caudatum durra. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475005. 1722. Yemen Arab Republic. Al Garehi Hiya. 215M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475006. 1723. Yemen Arab Republic. Al Assaraf. 215M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
475007. 1724. Yemen Arab Republic. Al Assaraf. 215M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.

474582 TO 475743-continued

475008. 1725. Yemen Arab Republic. Al Garej Hiya. 215M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475009. 1726. Yemen Arab Republic. Al Garej Hiya. 215M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475010. 1727. Yemen Arab Republic. Al Garej Hiya. 215M. Race caudatum kafir. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
475011. 1728. Yemen Arab Republic. Al Garej Hiya. 215M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475012. 1729. Yemen Arab Republic. Al Garej Hiya. 215M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475013. 1730. Yemen Arab Republic. Al Garej Hiya. 215M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475014. 1731. Yemen Arab Republic. Al Garej Hiya. 215M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds pink and orange. Cultivated. Seed.
475015. 1732. Yemen Arab Republic. Al Garej Hiya. 215M. Race caudatum kafir. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475016. 1733. Yemen Arab Republic. Al Garaba. 215M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475017. 1736. Yemen Arab Republic. Al Garaba. 215M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475018. 1737. Yemen Arab Republic. Al Garaba. 215M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
475019. 1738. Yemen Arab Republic. Al Garaba. 215M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475020. 1739. Yemen Arab Republic. Al Garaba. 215M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.

474582 TO 475743-continued

475021. 1740. Yemen Arab Republic. Al Garaba. 215M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
475022. 1742. Yemen Arab Republic. Al Garei Hiya. 215M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475023. 1743. Yemen Arab Republic. Al Garei Hiya. 215M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
475024. 1744. Yemen Arab Republic. Al Naseri. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475025. 1745. Yemen Arab Republic. Al Naseri. 220M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475026. 1746. Yemen Arab Republic. Al Naseri. 215M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
475027. 1747. Yemen Arab Republic. Al Garei Hiya. 215M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475028. 1748. Yemen Arab Republic. Al Garei Hiya. 215M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475029. 1749. Yemen Arab Republic. Al Naseri. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475030. 1750. Yemen Arab Republic. Al Naseri. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475031. 1751. Yemen Arab Republic. Al Naseri. 220M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475032. 1752. Yemen Arab Republic. Al Garei Hiya. 215M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475033. 1753. Yemen Arab Republic. Al Naseri. 220M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.

474582 TO 475743-continued

475034. 1754. Yemen Arab Republic. Al Naseri. 215M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475035. 1755. Yemen Arab Republic. Al Naseri. 215M. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475036. 1756. Yemen Arab Republic. Al Naseri. 220M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475037. 1758. Yemen Arab Republic. Al Naseri. 220M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475038. 1759. Yemen Arab Republic. Al Naseri. 220M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and light brown. Cultivated. Seed.
475039. 1760. Yemen Arab Republic. Al Naseri. 220M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475040. 1761. Yemen Arab Republic. Al Naseri. 220M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
475041. 1762. Yemen Arab Republic. Al Naseri. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475042. 1763. Yemen Arab Republic. Al Naseri. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475043. 1764. Yemen Arab Republic. Al Naseri. 220M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475044. 1765. Yemen Arab Republic. Al Naseri. 220M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475045. 1766. Yemen Arab Republic. Al Naseri. 220M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds light orange and white. Cultivated. Seed.
475046. 1767. Yemen Arab Republic. Surdut. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.

474582 TO 475743-continued

475047. 1768. Yemen Arab Republic. Al Naseri. 220M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds tan. Cultivated. Seed.
475048. 1769. Yemen Arab Republic. Heiga Al Garabah. 215M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown and white. Cultivated. Seed.
475049. 1770. Yemen Arab Republic. Surdut. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475050. 1771. Yemen Arab Republic. Surdut. 210M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475051. 1772. Yemen Arab Republic. Surdut. 210M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
475052. 1773. Yemen Arab Republic. Surdut. 210M. Race guinea kafir. Head type 5 - semi-compact, ovate. Seeds brown and light orange. Cultivated. Seed.
475053. 1774. Yemen Arab Republic. Surdut. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475054. 1775. Yemen Arab Republic. Surdut. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475055. 1776. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds dark orange. Cultivated. Seed.
475056. 1778. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475057. 1779. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
475058. 1780. Yemen Arab Republic. Surdut. 210M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
475059. 1781. Yemen Arab Republic. Surdut. 210M. Race caudatum guinea. Head type 3 - open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.

474582 TO 475743-continued

475060. 1782. Yemen Arab Republic. Surdut. 210M. Race caudatum guinea. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
475061. 1783. Yemen Arab Republic. Surdut. 210M. Race caudatum guinea. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475062. 1784. Yemen Arab Republic. Surdut. 210M. Race caudatum guinea. Head type 3 - open, elongated, elliptical. Seeds white and light orange. Cultivated. Seed.
475063. 1785. Yemen Arab Republic. Surdut. 210M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475064. 1786. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475065. 1787. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
475066. 1789. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
475067. 1790. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475068. 1791. Yemen Arab Republic. Surdut. 210M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475069. 1792. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475070. 1793. Yemen Arab Republic. Surdut. 210M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475071. 1794. Yemen Arab Republic. Surdut. 210M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds dark orange. Cultivated. Seed.
475072. 1795. Yemen Arab Republic. Surdut. 210M. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.

474582 TO 475743-continued

475073. 1796. Yemen Arab Republic. Surdut. 210M. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475074. 1797. Yemen Arab Republic. Surdut. 210M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475075. 1799. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical and type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475076. 1800. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475077. 1801. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 5 - semi-compact, ovate. Seeds dark orange. Cultivated. Seed.
475078. 1802. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475079. 1803. Yemen Arab Republic. Surdut. 210M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
475080. 1804. Yemen Arab Republic. Surdut. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475081. 1805. Yemen Arab Republic. Surdut. 210M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475082. 1806. Yemen Arab Republic. Surdut. 210M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475083. 1807. Yemen Arab Republic. Surdut. 210M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and light orange. Cultivated. Seed.
475084. 1809. Yemen Arab Republic. Surdut. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475085. 1810. Yemen Arab Republic. Surdut. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.



474582 TO 475743-continued

475086. 1811. Yemen Arab Republic. Surdut. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown and white. Cultivated. Seed.
475087. 1812. Yemen Arab Republic. Surdut. 210M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475088. 1813. Yemen Arab Republic. Surdut. 210M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475089. 1814. Yemen Arab Republic. Surdut. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475090. 1815. Yemen Arab Republic. Surdut. 210M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown and orange. Cultivated. Seed.
475091. 1816. Yemen Arab Republic. Surdut. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
475092. 1818. Yemen Arab Republic. Surdut. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475093. 1819. Yemen Arab Republic. Surdut. 210M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475094. 1822. Yemen Arab Republic. Heijal Al Garabah. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
475095. 1823. Yemen Arab Republic. Addawahi. 210M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
475096. 1824. Yemen Arab Republic. Addawahi. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475097. 1825. Yemen Arab Republic. Heijal Al Garabah. 215M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown and orange. Cultivated. Seed.
475098. 1826. Yemen Arab Republic. Addawahi. 210M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.

474582 TO 475743-continued

475099. 1827. Yemen Arab Republic. Surdut. 210M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
475100. 1831. Yemen Arab Republic. Addawahi. 210M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475101. 1832. Yemen Arab Republic. Addawahi. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
475102. 1835. Yemen Arab Republic. Al Asama. 210M. Race caudatum kafir. Head type 3 - open, elongated, elliptical. Seeds white and light orange. Cultivated. Seed.
475103. 1836. Yemen Arab Republic. Surdut. 210M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475104. 1838. Yemen Arab Republic. Surdut. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown and white. Cultivated. Seed.
475105. 1839. Yemen Arab Republic. Surdut. 210M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475106. 1840. Yemen Arab Republic. Surdut. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475107. 1841. Yemen Arab Republic. Surdut. 210M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475108. 1842. Yemen Arab Republic. Surdut. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475109. 1843. Yemen Arab Republic. Surdut. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475110. 1844. Yemen Arab Republic. Surdut. 210M. Race kafir bicolor. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475111. 1845. Yemen Arab Republic. Al Habik. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.

474582 TO 475743-continued

475112. 1846. Yemen Arab Republic. Al Habik. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.
475113. 1847. Yemen Arab Republic. Addawahi. 210M. Race guinea. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475114. 1848. Yemen Arab Republic. Addawahi. 210M. Race guinea. Head type 3 - open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475115. 1849. Yemen Arab Republic. Addawahi. 210M. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475116. 1850. Yemen Arab Republic. Addawahi. 210M. Race caudatum kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475117. 1851. Yemen Arab Republic. Addawahi. 210M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475118. 1852. Yemen Arab Republic. Addawahi. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475119. 1853. Yemen Arab Republic. Addawahi. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475120. 1854. Yemen Arab Republic. Addawahi. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
475121. 1855. Yemen Arab Republic. Khaisa. 270M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.
475122. 1856. Yemen Arab Republic. Khaisa. 270M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
475123. 1857. Yemen Arab Republic. Khaisa. 270M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475124. 1858. Yemen Arab Republic. Khaisa. 270M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.

474582 TO 475743-continued

475125. 1859. Yemen Arab Republic. Khaisa. 270M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown and white. Cultivated. Seed.
475126. 1860. Yemen Arab Republic. Khaisa. 270M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
475127. 1861. Yemen Arab Republic. Khaisa. 270M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
475128. 1862. Yemen Arab Republic. Khaisa. 270M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
475129. 1863. Yemen Arab Republic. Khaisa. 270M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475130. 1864. Yemen Arab Republic. Khaisa. 270M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
475131. 1865. Yemen Arab Republic. Khaisa. 270M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475132. 1866. Yemen Arab Republic. Khaisa. 270M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
475133. 1867. Yemen Arab Republic. Khaisa. 270M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475134. 1869. Yemen Arab Republic. Khaisa. 270M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475135. 1870. Yemen Arab Republic. Khaisa. 270M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475136. 1871. Yemen Arab Republic. Khaisa. 270M. Race caudatum kafir. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475137. 1873. Yemen Arab Republic. Khaisa. 270M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.

474582 TO 475743-continued

475138. 1874. Yemen Arab Republic. Khaisa. 270M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475139. 1876. Yemen Arab Republic. Heijal Al Garabah. 215M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475140. 1877. Yemen Arab Republic. Heijal Al Garabah. 215M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475141. 1878. Yemen Arab Republic. Heijal Al Garabah. 215M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475142. 1879. Yemen Arab Republic. Heijal Al Garabah. 215M. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
475143. 1880. Yemen Arab Republic. Heijal Al Garabah. 215M. Race guinea caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475144. 1881. Yemen Arab Republic. Heijal Al Garabah. 200M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475145. 1882. Yemen Arab Republic. Bakra Dahli. 200M. Race guinea durra. Head type 3 - open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.
475146. 1883. Yemen Arab Republic. Bakra Dahli. 200M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475147. 1884. Yemen Arab Republic. Bakra Dahli. 200M. Race durra caudatum. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475148. 1885. Yemen Arab Republic. Heijal Al Garabah. 200M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds light tan. Cultivated. Seed.
475149. 1886. Yemen Arab Republic. Heijal Al Garabah. 200M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475150. 1888. Yemen Arab Republic. Heijal Al Garabah. 200M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds orange and light tan. Cultivated. Seed.

474582 TO 475743-continued

475151. 1890. Yemen Arab Republic. Al Sigar. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475152. 1891. Yemen Arab Republic. Bakra Dahli. 200M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475153. 1893. Yemen Arab Republic. Bakra Dahli. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475154. 1894. Yemen Arab Republic. Bakra Dahli. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475155. 1896. Yemen Arab Republic. Bakra Dahli. 200M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475156. 1897. Yemen Arab Republic. Bakra Dahli. 200M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475157. 1898. Yemen Arab Republic. Bakra Dahli. 200M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
475158. 1900. Yemen Arab Republic. Bakra Dahli. 200M. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475159. 1901. Yemen Arab Republic. Heijal Al Garabah. 200M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475160. 1902. Yemen Arab Republic. Heijal Al Garabah. 200M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475161. 1903. Yemen Arab Republic. Heijal Al Garabah. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
475162. 1904. Yemen Arab Republic. Heijal Al Garabah. 200M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
475163. 1905. Yemen Arab Republic. Heijal Al Garabah. 200M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.

474582 TO 475743-continued

475164. 1906. Yemen Arab Republic. Heijal Al Garabah. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
475165. 1907. Yemen Arab Republic. Bani Burra. 200M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
475166. 1908. Yemen Arab Republic. Bani Burra. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475167. 1909. Yemen Arab Republic. Bani Burra. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds pink and red. Cultivated. Seed.
475168. 1910. Yemen Arab Republic. Bani Burra. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475169. 1911. Yemen Arab Republic. Bani Burra. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475170. 1912. Yemen Arab Republic. Bani Burra. 200M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475171. 1913. Yemen Arab Republic. Bani Burra. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475172. 1914. Yemen Arab Republic. Bani Burra. 200M. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475173. 1915. Yemen Arab Republic. Bani Burra. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475174. 1916. Yemen Arab Republic. Bani Burra. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475175. 1917. Yemen Arab Republic. Bani Burra. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475176. 1918. Yemen Arab Republic. Bani Burra. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.

474582 TO 475743-continued

475177. 1919. Yemen Arab Republic. Bani Burra. 200 M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475178. 1920. Yemen Arab Republic. Bani Burra. 200 M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475179. 1921. Yemen Arab Republic. Bani Burra. 200 M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475180. 1922. Yemen Arab Republic. Bani Burra. 200 M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475181. 1923. Yemen Arab Republic. Bani Burra. 200 M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475182. 1924. Yemen Arab Republic. Bani Burra. 200 M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475183. 1926. Yemen Arab Republic. Bani Burra. 200 M. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475184. 1927. Yemen Arab Republic. Bani Burra. 200 M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475185. 1928. Yemen Arab Republic. Bani Burra. 200 M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475186. 1929. Yemen Arab Republic. Bani Burra. 200 M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475187. 1930. Yemen Arab Republic. Bani Burra. 200 M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475188. 1931. Yemen Arab Republic. Bani Burra. 200 M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475189. 1933. Yemen Arab Republic. Bani Burra. 200 M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.



474582 TO 475743-continued

475190. 1937. Yemen Arab Republic. Bani Burra. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475191. 1938. Yemen Arab Republic. Bani Burra. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475192. 1939. Yemen Arab Republic. Bani Burra. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475193. 1943. Yemen Arab Republic. Al Jabal. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475194. 1944. Yemen Arab Republic. Al Jabal. 200M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
475195. 1946. Yemen Arab Republic. Al Jabal. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475196. 1947. Yemen Arab Republic. Bani Burra. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475197. 1949. Yemen Arab Republic. Bani Burra. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475198. 1950. Yemen Arab Republic. Bani Burra. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475199. 1951. Yemen Arab Republic. Bani Burra. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475200. 1952. Yemen Arab Republic. Bani Burra. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475201. 1953. Yemen Arab Republic. Al Jabal. 200M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.
475202. 1954. Yemen Arab Republic. Al Jabal. 200M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.

474582 TO 475743-continued

475203. 1955. Yemen Arab Republic. Bani Burra. 200 M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475204. 1956. Yemen Arab Republic. Bani Burra. 200 M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475205. 1957. Yemen Arab Republic. Bani Burra. 200 M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475206. 1958. Yemen Arab Republic. Bani Burra. 200 M. Race guinea. Head type 4 - semi-open, elongated, elliptical. Seeds dark orange. Cultivated. Seed.
475207. 1959. Yemen Arab Republic. Bani Burra. 200 M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.
475208. 1960. Yemen Arab Republic. Bani Burra. 200 M. Race caudatum kafir. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475209. 1961. Yemen Arab Republic. Bani Burra. 200 M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475210. 1962. Yemen Arab Republic. Al Galah. 210 M. Race guinea. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
475211. 1963. Yemen Arab Republic. Al Galah. 210 M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475212. 1964. Yemen Arab Republic. Al Galah. 210 M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.
475213. 1965. Yemen Arab Republic. Al Magalaf. 190 M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475214. 1967. Yemen Arab Republic. Al Magalaf. 190 M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
475215. 1968. Yemen Arab Republic. Al Magalaf. 190 M. Race guinea kafir. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.

474582 TO 475743-continued

475216. 1969. Yemen Arab Republic. Al Mokati. 175M. Race guinea. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475217. 1970. Yemen Arab Republic. Al Galah. 210M. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475218. 1971. Yemen Arab Republic. Al Galah. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475219. 1972. Yemen Arab Republic. Al Galah. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475220. 1973. Yemen Arab Republic. Al Galah. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475221. 1974. Yemen Arab Republic. Al Galah. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.
475222. 1975. Yemen Arab Republic. Al Galah. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475223. 1977. Yemen Arab Republic. Al Galah. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
475224. 1978. Yemen Arab Republic. Al Galah. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475225. 1979. Yemen Arab Republic. Al Galah. 210M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
475226. 1980. Yemen Arab Republic. Al Galah. 210M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.
475227. 1981. Yemen Arab Republic. Al Galah. 210M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475228. 1984. Yemen Arab Republic. Al Galah. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.

474582 TO 475743-continued

475229. 1990. Yemen Arab Republic. Al Galah. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475230. 1992. Yemen Arab Republic. Al Galah. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
475231. 1993. Yemen Arab Republic. Al Galah. 210M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475232. 1994. Yemen Arab Republic. Al Galah. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475233. 1997. Yemen Arab Republic. Al Galah. 210M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
475234. 1999. Yemen Arab Republic. Al Galah. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and white. Cultivated. Seed.
475235. 2001. Yemen Arab Republic. Al Galah. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.
475236. 2002. Yemen Arab Republic. Al Galah. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475237. 2003. Yemen Arab Republic. Al Galah. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475238. 2004. Yemen Arab Republic. Al Galah. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and white. Cultivated. Seed.
475239. 2006. Yemen Arab Republic. Al Galah. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown and tan. Cultivated. Seed.
475240. 2007. Yemen Arab Republic. Al Galah. 210M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
475241. 2008. Yemen Arab Republic. Al Makani. 215M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds tan and white. Cultivated. Seed.

474582 TO 475743-continued

475242. 2009. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475243. 2010. Yemen Arab Republic. Beni Mohmed. 210M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan and pink. Cultivated. Seed.
475244. 2011. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown and orange. Cultivated. Seed.
475245. 2012. Yemen Arab Republic. Beni Mohmed. 210M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown and yellow. Cultivated. Seed.
475246. 2013. Yemen Arab Republic. Beni Mohmed. 210M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
475247. 2015. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and tan. Cultivated. Seed.
475248. 2016. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and white. Cultivated. Seed.
475249. 2017. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475250. 2018. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475251. 2019. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475252. 2020. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475253. 2022. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and brown. Cultivated. Seed.
475254. 2023. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown and orange. Cultivated. Seed.

474582 TO 475743-continued

475255. 2024. Yemen Arab Republic. Beni Mohmed. 210M. Race guinea. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475256. 2025. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown and white. Cultivated. Seed.
475257. 2026. Yemen Arab Republic. Beni Mohmed. 210M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475258. 2027. Yemen Arab Republic. Beni Mohmed. 210M. Race guinea. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475259. 2028. Yemen Arab Republic. Beni Mohmed. 210M. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475260. 2034. Yemen Arab Republic. Beni Mohmed. 210M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475261. 2037. Yemen Arab Republic. Beni Mohmed. 175M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475262. 2039. Yemen Arab Republic. Beni Mohmed. 175M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475263. 2043. Yemen Arab Republic. Beni Mohmed. 170M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475264. 2044. Yemen Arab Republic. Beni Mohmed. 175M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and light orange. Cultivated. Seed.
475265. 2047. Yemen Arab Republic. Beni Mohmed. 175M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475266. 2048. Yemen Arab Republic. Beni Mohmed. 175M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475267. 2049. Yemen Arab Republic. Beni Mohmed. 175M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.

474582 TO 475743-continued

475268. 2052. Yemen Arab Republic. Banilah. 175M. Race kafir. Head type 5 - semi-compact, ovate. Seeds yellow and white. Cultivated. Seed.
475269. 2060. Yemen Arab Republic. Beni Mohmed. 175M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds red and brown. Cultivated. Seed.
475270. 2061. Yemen Arab Republic. Beni Mohmed. 175M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.
475271. 2062. Yemen Arab Republic. Beni Mohmed. 175M. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
475272. 2065. Yemen Arab Republic. Beni Mohmed. 175M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475273. 2069. Yemen Arab Republic. Al Mahawit. 160M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475274. 2070. Yemen Arab Republic. Al Mahawit. 160M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475275. 2071. Yemen Arab Republic. Al Mahawit. 160M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475276. 2072. Yemen Arab Republic. Al Mahawit. 160M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475277. 2073. Yemen Arab Republic. Al Mahawit. 160M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475278. 2074. Yemen Arab Republic. Al Mahawit. 170M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475279. 2075. Yemen Arab Republic. Al Mahawit. 170M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475280. 2076. Yemen Arab Republic. Al Mahawit. 160M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and white. Cultivated. Seed.

474582 TO 475743-continued

475281. 2077. Yemen Arab Republic. Al Mahawit. 140M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475282. 2078. Yemen Arab Republic. Al Mahawit. 140M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475283. 2079. Yemen Arab Republic. Al Mahawit. 140M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475284. 2080. Yemen Arab Republic. Al Mahawit. 160M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475285. 2083. Yemen Arab Republic. Al Madman. 220M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475286. 2084. Yemen Arab Republic. Al Madman. 220M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds red. Cultivated. Seed.
475287. 2085. Yemen Arab Republic. Al Kadan. 220M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475288. 2087. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475289. 2088. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red and brown. Cultivated. Seed.
475290. 2089. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
475291. 2090. Yemen Arab Republic. Al Kadan. 220M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds light brown and white. Cultivated. Seed.
475292. 2091. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
475293. 2092. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.



474582 TO 475743-continued

475294. 2094. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds light red. Cultivated. Seed.
475295. 2095. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
475296. 2096. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
475297. 2097. Yemen Arab Republic. Al Kadan. 220M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
475298. 2099. Yemen Arab Republic. Al Kadan. 220M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475299. 2100. Yemen Arab Republic. Al Kadan. 220M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red. Cultivated. Seed.
475300. 2102. Yemen Arab Republic. Al Madman. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
475301. 2103. Yemen Arab Republic. Al Kadan. 220M. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475302. 2104. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475303. 2106. Yemen Arab Republic. Al Kadan. 220M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475304. 2108. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475305. 2109. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475306. 2110. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.

474582 TO 475743-continued

475307. 2112. Yemen Arab Republic. Al Kadan. 220M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475308. 2114. Yemen Arab Republic. Al Kadan. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475309. 2115. Yemen Arab Republic. Al Madman. 220M. Race guinea. Head type 3 - open, elongated, elliptical. Seeds light brown and white. Cultivated. Seed.
475310. 2116. Yemen Arab Republic. Al Madman. 220M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds brown and white. Cultivated. Seed.
475311. 2117. Yemen Arab Republic. Al Medan. 220M. Race guinea. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475312. 2118. Yemen Arab Republic. Al Medan. 220M. Race guinea. Head type 4 - semi-open, elongated, elliptical. Seeds orange and yellow. Cultivated. Seed.
475313. 2119. Yemen Arab Republic. Al Medan. 220M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475314. 2120. Yemen Arab Republic. Al Medan. 220M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475315. 2121. Yemen Arab Republic. Al Madman. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475316. 2122. Yemen Arab Republic. Al Madman. 220M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475317. 2123. Yemen Arab Republic. Al Madman. 220M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475318. 2124. Yemen Arab Republic. Al Madman. 220M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown and yellow. Cultivated. Seed.
475319. 2125. Yemen Arab Republic. Al Madman. 220M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.

474582 TO 475743-continued

475320. 2126. Yemen Arab Republic. Al Madman. 220M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475321. 2127. Yemen Arab Republic. Al Madman. 220M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475322. 2129. Yemen Arab Republic. Al Madman. 220M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475323. 2131. Yemen Arab Republic. Al Sarrah. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475324. 2132. Yemen Arab Republic. Al Sarrah. 200M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475325. 2133. Yemen Arab Republic. Al Sarrah. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475326. 2134. Yemen Arab Republic. Al Sarrah. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475327. 2136. Yemen Arab Republic. Al Sarrah. 220M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
475328. 2137. Yemen Arab Republic. Al Sarrah. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
475329. 2138. Yemen Arab Republic. Al Sarrah. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
475330. 2139. Yemen Arab Republic. Al Sarrah. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475331. 2141. Yemen Arab Republic. Al Sarrah. 200M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light tan. Cultivated. Seed.
475332. 2144. Yemen Arab Republic. Al Sarrah. 200M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds pink and white. Cultivated. Seed.

474582 TO 475743-continued

475333. 2146. Yemen Arab Republic. Al Sarrah. 200M. Race kafir guinea. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475334. 2150. Yemen Arab Republic. Al Sarrah. 200M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds red and yellow. Cultivated. Seed.
475335. 2156. Yemen Arab Republic. Al Sarrah. 200M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and red. Cultivated. Seed.
475336. 2158. Yemen Arab Republic. Al Sarrah. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
475337. 2159. Yemen Arab Republic. Al Sarrah. 220M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds brown and yellow. Cultivated. Seed.
475338. 2160. Yemen Arab Republic. Kuwerah. 220M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475339. 2161. Yemen Arab Republic. Kuwerah. 200M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
475340. 2163. Yemen Arab Republic. Al Madman. 200M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds white and yellow. Cultivated. Seed.
475341. 2179. Yemen Arab Republic. Al Sarrah. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and yellow. Cultivated. Seed.
475342. 2180. Yemen Arab Republic. Al Sarrah. 185M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and yellow. Cultivated. Seed.
475343. 2182. Yemen Arab Republic. Al Sarrah. 185M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475344. 2183. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475345. 2184. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.

474582 TO 475743-continued

475346. 2186. Yemen Arab Republic. Al Sarrah. 185M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475347. 2187. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475348. 2189. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475349. 2190. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and yellow. Cultivated. Seed.
475350. 2194. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds brown and white. Cultivated. Seed.
475351. 2195. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds brown and white. Cultivated. Seed.
475352. 2196. Yemen Arab Republic. Al Sarrah. 185M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds pink and white. Cultivated. Seed.
475353. 2197. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds pink and white. Cultivated. Seed.
475354. 2198. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475355. 2202. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475356. 2204. Yemen Arab Republic. Al Sarrah. 185M. Race guinea kafir. Head type 4 and 3 - semi-open and open, elongated, elliptical. Seeds tan and yellow. Cultivated. Seed.
475357. 2205. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475358. 2206. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light tan. Cultivated. Seed.

474582 TO 475743-continued

475359. 2209. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds pink and red. Cultivated. Seed.
475360. 2210. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds pink and red. Cultivated. Seed.
475361. 2214. Yemen Arab Republic. Al Sarrah. 185M. Race caudatum kafir. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475362. 2217. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475363. 2224. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light red. Cultivated. Seed.
475364. 2225. Yemen Arab Republic. Al Sarrah. 185M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475365. 2226. Yemen Arab Republic. Al Sarrah. 185M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
475366. 2227. Yemen Arab Republic. Al Sarrah. 185M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown and white. Cultivated. Seed.
475367. 2230. Yemen Arab Republic. Al Sarrah. 170M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds pink and white. Cultivated. Seed.
475368. 2232. Yemen Arab Republic. Al Sarrah. 170M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475369. 2241. Yemen Arab Republic. Al Sarrah. 170M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown and orange. Cultivated. Seed.
475370. 2242. Yemen Arab Republic. Al Sarrah. 170M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475371. 2243. Yemen Arab Republic. Al Sarrah. 170M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.

474582 TO 475743-continued

475372. 2246. Yemen Arab Republic. Al Sarrah. 170M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475373. 2247. Yemen Arab Republic. Al Sarrah. 170M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and tan. Cultivated. Seed.
475374. 2248. Yemen Arab Republic. Al Sarrah. 170M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan and brown. Cultivated. Seed.
475375. 2266. Yemen Arab Republic. Al Sarrah. 170M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475376. 2269. Yemen Arab Republic. Al Sarrah. 170M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475377. 2271. Yemen Arab Republic. Al Sarrah. 170M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475378. 2274. Yemen Arab Republic. Al Sarrah. 170M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
475379. 2279. Yemen Arab Republic. Al Sarrah. 170M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475380. 2285. Yemen Arab Republic. Kahre. 175M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
475381. 2286. Yemen Arab Republic. Kahre. 175M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and tan. Cultivated. Seed.
475382. 2289. Yemen Arab Republic. Kahre. 175M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475383. 2290. Yemen Arab Republic. Kahre. 180M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475384. 2291. Yemen Arab Republic. Kahre. 180M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.

474582 TO 475743-continued

475385. 2296. Yemen Arab Republic. Kahre. 180M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475386. 2297. Yemen Arab Republic. Mahal Al Dabek. 170M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown and orange. Cultivated. Seed.
475387. 2298. Yemen Arab Republic. Mahal Al Dabek. 170M. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown and orange. Cultivated. Seed.
475388. 2299. Yemen Arab Republic. Bakl Al Dehly. 194M. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475389. 2300. Yemen Arab Republic. Mahal Al Dabek. 170M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475390. 2303. Yemen Arab Republic. Mahal Al Dabek. 170M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475391. 2304. Yemen Arab Republic. Mahal Al Dabek. 170M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475392. 2307. Yemen Arab Republic. Mahal Al Dabek. 170M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan and orange. Cultivated. Seed.
475393. 2309. Yemen Arab Republic. Mahal Al Dabek. 170M. Race guinea. Head type 3 - open, elongated, elliptical. Seeds yellow and brown. Cultivated. Seed.
475394. 2310. Yemen Arab Republic. Mahal Al Dabek. 170M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475395. 2313. Yemen Arab Republic. Kahre. 170M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475396. 2314. Yemen Arab Republic. Kahre. 180M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475397. 2316. Yemen Arab Republic. Kahre. 180M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.



474582 TO 475743-continued

475398. 2318. Yemen Arab Republic. Al Kahre. 180M. Race caudatum durra. Head type 5 - semi-compact, ovate. Seeds red and white. Cultivated. Seed.
475399. 2321. Yemen Arab Republic. Kahre. 180M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
475400. 2325. Yemen Arab Republic. Kahre. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475401. 2329. Yemen Arab Republic. Kahre. 200M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds tan. Cultivated. Seed.
475402. 2334. Yemen Arab Republic. Al Taher. 200M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and white. Cultivated. Seed.
475403. 2338. Yemen Arab Republic. Al Taher. 200M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475404. 2340. Yemen Arab Republic. Al Taher. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475405. 2342. Yemen Arab Republic. Kwober. 200M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475406. 2343. Yemen Arab Republic. Kwober. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475407. 2348. Yemen Arab Republic. Kwober. 220M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475408. 2349. Yemen Arab Republic. Kwober. 220M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475409. 2350. Yemen Arab Republic. Kwober. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475410. 2353. Yemen Arab Republic. Kwober. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.

474582 TO 475743-continued

475411. 2355. Yemen Arab Republic. Kwober. 220M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475412. 2356. Yemen Arab Republic. Kwober. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475413. 2357. Yemen Arab Republic. Kwober. 220M. Race guinea. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475414. 2358. Yemen Arab Republic. Kwober. 220M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown and orange. Cultivated. Seed.
475415. 2359. Yemen Arab Republic. Kwober. 220M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475416. 2362. Yemen Arab Republic. Kwober. 220M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475417. 2363. Yemen Arab Republic. Kwober. 220M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475418. 2364. Yemen Arab Republic. Kwober. 220M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds dark orange. Cultivated. Seed.
475419. 2365. Yemen Arab Republic. Kwober. 220M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475420. 2367. Yemen Arab Republic. Kwober. 220M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475421. 2369. Yemen Arab Republic. Kwober. 220M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475422. 2371. Yemen Arab Republic. Kwober. 220M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475423. 2372. Yemen Arab Republic. Kwober. 220M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.

474582 TO 475743-continued

475424. 2375. Yemen Arab Republic. Kwober. 220M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475425. 2384. Yemen Arab Republic. Kwober. 220M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475426. 2394. Yemen Arab Republic. Kwober. 220M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475427. 2401. Yemen Arab Republic. Sordud. 235M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475428. 2402. Yemen Arab Republic. Sordud. 235M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds dark tan. Cultivated. Seed.
475429. 2404. Yemen Arab Republic. Sordud. 235M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475430. 2405. Yemen Arab Republic. Sordud. 235M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475431. 2409. Yemen Arab Republic. Al Kwirh. 120M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475432. 2411. Yemen Arab Republic. Sordud. 235M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds red and white. Cultivated. Seed.
475433. 2412. Yemen Arab Republic. Sordud. 235M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds pink and red. Cultivated. Seed.
475434. 2413. Yemen Arab Republic. Sordud. 135M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds pink and white. Cultivated. Seed.
475435. 2414. Yemen Arab Republic. Sordud. 235M. Race guinea caudatum. Head type 3 - open, elongated, elliptical. Seeds light tan. Cultivated. Seed.
475436. 2415. Yemen Arab Republic. Al Himeh. 1680M. Race durra. Head type 5 - semi-compact, ovate. Seeds light yellow. Cultivated. Seed.

474582 TO 475743-continued

475437. 2416. Yemen Arab Republic. Al Himeh. 1680M. Race durra. Head type 6 - semi-compact, elliptical. Seeds red. Cultivated. Seed.
475438. 2417. Yemen Arab Republic. Al Himeh. 1680M. Race durra. Head type 5 - semi-compact, ovate. Seeds light tan. Cultivated. Seed.
475439. 2418. Yemen Arab Republic. Al Himeh. 1680M. Race durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
475440. 2420. Yemen Arab Republic. Al Himeh. 1680M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
475441. 2421. Yemen Arab Republic. Al Himeh. 1680M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds pink and white. Cultivated. Seed.
475442. 2422. Yemen Arab Republic. Al Himeh. 1680M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light tan. Cultivated. Seed.
475443. 2425. Yemen Arab Republic. Al Himeh. 1680M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds dark orange. Cultivated. Seed.
475444. 2426. Yemen Arab Republic. Al Kohre. 180M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds dark orange. Cultivated. Seed.
475445. 2429. Yemen Arab Republic. Al Kohre. 180M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475446. 2430. Yemen Arab Republic. Al Kohre. 180M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475447. 2437. Yemen Arab Republic. Al Kohre. 180M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475448. 2438. Yemen Arab Republic. Al Kohre. 190M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475449. 2441. Yemen Arab Republic. Al Kohre. 180M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.

474582 TO 475743-continued

475450. 2443. Yemen Arab Republic. Kohre. 180M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475451. 2449. Yemen Arab Republic. Kohre. 190M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475452. 2461. Yemen Arab Republic. Kohre. 190M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475453. 2472. Yemen Arab Republic. Kohre. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475454. 2473. Yemen Arab Republic. Kohre. 200M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475455. 2474. Yemen Arab Republic. Kohre. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475456. 2475. Yemen Arab Republic. Kohre. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475457. 2476. Yemen Arab Republic. Kohre. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475458. 2477. Yemen Arab Republic. Kohre. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475459. 2478. Yemen Arab Republic. Kohre. 200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475460. 2485. Yemen Arab Republic. Kohre. 200M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
475461. 2495. Yemen Arab Republic. Mohmad Esmael. 190M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475462. 2503. Yemen Arab Republic. Mohmad Esmael. 190M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.

474582 TO 475743-continued

475463. 2519. Yemen Arab Republic. Kohre. 200M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475464. 2521. Yemen Arab Republic. Kohre. 190M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475465. 2528. Yemen Arab Republic. Al Himeh. 1680M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds yellow and orange. Cultivated. Seed.
475466. 2529. Yemen Arab Republic. Al Himeh. 1680M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
475467. 2530. Yemen Arab Republic. Mafgah. 1680M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds dark orange. Cultivated. Seed.
475468. 2531. Yemen Arab Republic. Al Himeh. 1680M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.
475469. 2532. Yemen Arab Republic. Al Himeh. 1680M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds dark orange. Cultivated. Seed.
475470. 2533. Yemen Arab Republic. Al Himeh. 1680M. Race kafir caudatum. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
475471. 2534. Yemen Arab Republic. Al Himeh. 1680M. Race durra caudatum. Head type 6 - semi-compact, elliptical. Seeds pink and white. Cultivated. Seed.
475472. 2535. Yemen Arab Republic. Al Himeh. 1680M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds pink and white. Cultivated. Seed.
475473. 2536. Yemen Arab Republic. Al Himeh. 1680M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
475474. 2537. Yemen Arab Republic. Al Himeh. 1680M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
475475. 2538. Yemen Arab Republic. Al Himeh. 1680M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.

474582 TO 475743-continued

475476. 2539. Yemen Arab Republic. Al Himeh. 1640M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
475477. 2540. Yemen Arab Republic. Al Himeh. 1640M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
475478. 2542. Yemen Arab Republic. Al Himeh. 1640M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds red and orange. Cultivated. Seed.
475479. 2543. Yemen Arab Republic. Al Himeh. 1640M. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds dark orange. Cultivated. Seed.
475480. 2544. Yemen Arab Republic. Alhay Makhaf. 1640M. Race durra. Head type 6 - semi-compact, elliptical. Seeds dark orange. Cultivated. Seed.
475481. 2549. Yemen Arab Republic. Al Himeh. 1620M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds white. Cultivated. Seed.
475482. 2551. Yemen Arab Republic. Al Himeh. 1620M. Race kafir. Head type 5 - semi-compact, ovate. Seeds white. Cultivated. Seed.
475483. 2555. Yemen Arab Republic. Bene Manssor. 1520M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds light tan. Cultivated. Seed.
475484. 2556. Yemen Arab Republic. Bene Manssor. 1520M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and tan. Cultivated. Seed.
475485. 2557. Yemen Arab Republic. Bene Manssor. 1520M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and yellow. Cultivated. Seed.
475486. 2559. Yemen Arab Republic. Bene Manssor. 1520M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.
475487. 2567. Yemen Arab Republic. Bene Manssor. 1520M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
475488. 2568. Yemen Arab Republic. Bene Manssor. 1520M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.

474582 TO 475743-continued

475489. 2569. Yemen Arab Republic. Bene Manssor. 1520M. Race caudatum bicolor. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475490. 2571. Yemen Arab Republic. Bene Manssor. 1520M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds light tan. Cultivated. Seed.
475491. 2572. Yemen Arab Republic. Bene Manssor. 1520M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds tan and yellow. Cultivated. Seed.
475492. 2573. Yemen Arab Republic. Bene Manssor. 1520M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds pink and white. Cultivated. Seed.
475493. 2574. Yemen Arab Republic. Al Himeh. 1470M. Race durra. Head type 5 - semi-compact, ovate. Seeds dark orange. Cultivated. Seed.
475494. 2575. Yemen Arab Republic. Al Himeh. 1470M. Race durra. Head type 5 - semi-compact, ovate. Seeds dark orange. Cultivated. Seed.
475495. 2577. Yemen Arab Republic. Al Himeh. 1470M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.
475496. 2578. Yemen Arab Republic. Al Himeh. 1470M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475497. 2579. Yemen Arab Republic. Al Himeh. 1470M. Race durra. Head type 6 - semi-compact, elliptical. Seeds dark orange. Cultivated. Seed.
475498. 2580. Yemen Arab Republic. Al Himeh. 1470M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.
475499. 2581. Yemen Arab Republic. Al Himeh. 1470M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475500. 2582. Yemen Arab Republic. Al Himeh. 1420M. Race bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds pink and white. Cultivated. Seed.
475501. 2583. Yemen Arab Republic. Al Himeh. 1420M. Race durra. Head type 6 - semi-compact, elliptical. Seeds light orange. Cultivated. Seed.



474582 TO 475743-continued

475502. 2584. Yemen Arab Republic. Al Himeh. 1420M. Race bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
475503. 2586. Yemen Arab Republic. Al Himeh. 1420M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
475504. 2587. Yemen Arab Republic. Al Himeh. 1420M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
475505. 2589. Yemen Arab Republic. Al Himeh. 1420M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds pink and white. Cultivated. Seed.
475506. 2590. Yemen Arab Republic. Al Badih. 1420M. Race durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475507. 2591. Yemen Arab Republic. Al Himeh. 1480M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds light tan. Cultivated. Seed.
475508. 2592. Yemen Arab Republic. Hares. 1460M. Race durra kafir. Head type 3 - open, elongated, elliptical. Seeds light tan. Cultivated. Seed.
475509. 2593. Yemen Arab Republic. Bane Barh. 1460M. Race durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
475510. 2594. Yemen Arab Republic. Bane Barh. 1460M. Race bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds light tan. Cultivated. Seed.
475511. 2595. Yemen Arab Republic. Bane Barh. 1460M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds orange 99. Cultivated. Seed.
475512. 2596. Yemen Arab Republic. Bane Barh. 1460M. Race durra. Head type 5 - semi-compact, ovate. Seeds dark orange. Cultivated. Seed.
475513. 2597. Yemen Arab Republic. Bane Barh. 1460M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475514. 2598. Yemen Arab Republic. Hares. 1460M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds light orange. Cultivated. Seed.

474582 TO 475743-continued

475515. 2599. Yemen Arab Republic. Hares. 1460M. Race durra kafir. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475516. 2600. Yemen Arab Republic. Barkat. 1870M. Race durra. Head type 5 - semi-compact, ovate. Seeds light yellow. Cultivated. Seed.
475517. 2601. Yemen Arab Republic. Barkat. 1870M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds light pink. Cultivated. Seed.
475518. 2618. Yemen Arab Republic. Karit Albar. 1260M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475519. 2619. Yemen Arab Republic. Karit Albar. 1260M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475520. 2620. Yemen Arab Republic. Al Bar Manekah. 1260M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475521. 2621. Yemen Arab Republic. Al Bar Manekah. 1260M. Race durra kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
475522. 2631. Yemen Arab Republic. Bakal. 1140M. Race kafir bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475523. 2634. Yemen Arab Republic. Bab Shanatef. 570M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475524. 2638. Yemen Arab Republic. Bab Shanatef. 570M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475525. 2640. Yemen Arab Republic. Bab Shanatef. 570M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475526. 2642. Yemen Arab Republic. Bab Shanatef. 570M. Race caudatum bicolor. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds tan. Cultivated. Seed.
475527. 2643. Yemen Arab Republic. Bab Shanatef. 570M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds tan.

474582 TO 475743-continued

- Cultivated. Seed.
475528. 2644. Yemen Arab Republic. Bab Shanatef. 570M. Race caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
475529. 2645. Yemen Arab Republic. Bab Shanatef. 570M. Race caudatum bicolor. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
475530. 2646. Yemen Arab Republic. Mahal Alotome. 580M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds red and brown. Cultivated. Seed.
475531. 2648. Yemen Arab Republic. Sar Mahwet. 580M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475532. 2649. Yemen Arab Republic. Sar Mahwet. 580M. Race kafir. Head type 6 - semi-compact, elliptical. Seeds brown. Cultivated. Seed.
475533. 2651. Yemen Arab Republic. Shoginh Mahwit. 580M. Race caudatum. Seeds brown. Cultivated. Seed.
475534. 2654. Yemen Arab Republic. Sar Almahwit. 580M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475535. 2664. Yemen Arab Republic. Mahal Alotome. 580M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475536. 2665. Yemen Arab Republic. Sar Almahwit. 580M. Race bicolor. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
475537. 2668. Yemen Arab Republic. Al Hijah. 590M. Race bicolor. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
475538. 2671. Yemen Arab Republic. Bait Alhijah. 590M. Race bicolor. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
475539. 2672. Yemen Arab Republic. Bait Alhijah. 590M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475540. 2676. Yemen Arab Republic. Bait Alhijah. 590M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.

474582 TO 475743-continued

475541. 2677. Yemen Arab Republic. Bait Alhijah. 590M. Race bicolor. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
475542. 2678. Yemen Arab Republic. Al Mahteh. 630M. Race bicolor. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
475543. 2680. Yemen Arab Republic. Al Mahteh. 630M. Race bicolor. Head type 5 - semi-compact, ovate. Seeds brown. Cultivated. Seed.
475544. 2681. Yemen Arab Republic. Al Mahteh. 630M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475545. 2683. Yemen Arab Republic. Al Mahteh. 630M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475546. 2686. Yemen Arab Republic. Karit Alkafleh. 650M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475547. 2688. Yemen Arab Republic. Al Mahteh. 650M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475548. 2691. Yemen Arab Republic. Al Mahteh. 650M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475549. 2692. Yemen Arab Republic. Al Mahteh. 650M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
475550. 2693. Yemen Arab Republic. Al Mahteh. 650M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds brown and yellow. Cultivated. Seed.
475551. 2694. Yemen Arab Republic. Al Mahteh. 650M. Race caudatum bicolor. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown and red. Cultivated. Seed.
475552. 2695. Yemen Arab Republic. Al Mahteh. 650M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
475553. 2696. Yemen Arab Republic. Al Mahteh. 650M. Race kafir. Head type 5 - semi-compact, ovate. Seeds white and brown. Cultivated. Seed.

474582 TO 475743-continued

475554. 2699. Yemen Arab Republic. Al Mahwit. 650M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
475555. 2701. Yemen Arab Republic. Al Tig Mahwit. 730M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475556. 2702. Yemen Arab Republic. Al Tig Mahwit. 730M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475557. 2703. Yemen Arab Republic. Al Tig Mahwit. 730M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and orange. Cultivated. Seed.
475558. 2706. Yemen Arab Republic. Al Tig Mahwit. 730M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds red and orange. Cultivated. Seed.
475559. 2707. Yemen Arab Republic. Al Tig Mahwit. 750M. Race caudatum durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
475560. 2708. Yemen Arab Republic. Al Tig Mahwit. 750M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
475561. 2709. Yemen Arab Republic. Al Tig Mahwit. 750M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475562. 2710. Yemen Arab Republic. Al Tig Mahwit. 750M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown and orange. Cultivated. Seed.
475563. 2711. Yemen Arab Republic. Al Jonah. 760M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475564. 2716. Yemen Arab Republic. Bait Al Nahme. 780M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475565. 2717. Yemen Arab Republic. Bait Al Nahme. 780M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.

474582 TO 475743-continued

475566. 2719. Yemen Arab Republic. Bait Al Nahme. 780M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475567. 2720. Yemen Arab Republic. Al Jomah. 780M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange and red. Cultivated. Seed.
475568. 2723. Yemen Arab Republic. Al Jomah. 780M. Race caudatum durra. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
475569. 2729. Yemen Arab Republic. Al Nagda. 780M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475570. 2735. Yemen Arab Republic. Bait Al Nahme. 780M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
475571. 2739. Yemen Arab Republic. Almahwit Bait Alnahme. 780M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475572. 2740. Yemen Arab Republic. Almahwit Bait Alnahme. 780M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475573. 2746. Yemen Arab Republic. Almahwit Bait Nahme. 780M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange and yellow. Cultivated. Seed.
475574. 2747. Yemen Arab Republic. Almahwit Bait Nahme. 780M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475575. 2748. Yemen Arab Republic. Almahwit Bait Nahme. 780M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475576. 2751. Yemen Arab Republic. Almahwit Bait Alnahme. 780M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
475577. 2752. Yemen Arab Republic. Almahwit Bait Alnahme. 780M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and light brown. Cultivated. Seed.
475578. 2753. Yemen Arab Republic. Almahwit Alnahme. 780M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds

474582 TO 475743-continued

- light brown and white. Cultivated. Seed.
475579. 2754. Yemen Arab Republic. Almahwit Bait Alnahme. 780M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475580. 2755. Yemen Arab Republic. Almahwit Alnahme. 780M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
475581. 2761. Yemen Arab Republic. Almahwit Al Wostah. 800M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange, brown, and tan. Cultivated. Seed.
475582. 2762. Yemen Arab Republic. Almahwit Al Wostah. 800M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475583. 2764. Yemen Arab Republic. Almahwit Al Wostah. 800M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475584. 2765. Yemen Arab Republic. Almahwit Al Wostah. 820M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475585. 2766. Yemen Arab Republic. Almahwit Al Wostah. 820M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds brown and white. Cultivated. Seed.
475586. 2768. Yemen Arab Republic. Almahwit Bakral Gumah. 820M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds red. Cultivated. Seed.
475587. 2785. Yemen Arab Republic. Almahwit Al Mahaiekah. 840M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475588. 2786. Yemen Arab Republic. Almahwit Al Mahaiekah. 840M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475589. 2787. Yemen Arab Republic. Almahwit Al Mahaiekah. 840M. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and brown. Cultivated. Seed.
475590. 2791. Yemen Arab Republic. Almahwit Al Mahaiekah. 840M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light brown. Cultivated. Seed.
475591. 2792. Yemen Arab Republic. Almahwit Al Mahaiekah. 840M. Race kafir caudatum. Head type 4 - semi-open, elongated,

474582 TO 475743-continued

- elliptical. Seeds light orange. Cultivated. Seed.
475592. 2794. Yemen Arab Republic. Almahwit Al Mahaiekah. 840M. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475593. 2797. Yemen Arab Republic. Almahwit Al Mahaiekah. 840M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475594. 2798. Yemen Arab Republic. Almahwit Al Mahaiekah. 840M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475595. 2825. Yemen Arab Republic. Almahwit Sirah. 1010M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475596. 2826. Yemen Arab Republic. Almahwit Sirah. 1010M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and light brown. Cultivated. Seed.
475597. 2827. Yemen Arab Republic. Almahwit Sirah. 1010M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475598. 2829. Yemen Arab Republic. Almahwit Sirah. 1010M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light brown and white. Cultivated. Seed.
475599. 2832. Yemen Arab Republic. Almahwit Sirah. 1010M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
475600. 2834. Yemen Arab Republic. Almahwit Sirah. 1010M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds light brown and white. Cultivated. Seed.
475601. 2836. Yemen Arab Republic. Almahwit Sirah. 1010M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475602. 2841. Yemen Arab Republic. Almahwit Sirah. 1045M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475603. 2843. Yemen Arab Republic. Almahwit Sirah. 1045M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475604. 2849. Yemen Arab Republic. Almahwit Sirah. 1045M. Race caudatum kafir. Head type 4 - semi-open, elongated,



474582 TO 475743-continued

- elliptical. Seeds brown. Cultivated. Seed.
475605. 2851. Yemen Arab Republic. Almahwit Sirah. 1045M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475606. 2855. Yemen Arab Republic. Almahwit Sirah. 1045M. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
475607. 2861. Yemen Arab Republic. Almahwit Sirah. 1045M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475608. 2863. Yemen Arab Republic. Almahwit Sirah. 1045M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475609. 2867. Yemen Arab Republic. Almahwit Sirah. 1045M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475610. 2868. Yemen Arab Republic. Almahwit Sirah. 1045M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475611. 2873. Yemen Arab Republic. Almahwit Bait Al Mahady. 990M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475612. 2875. Yemen Arab Republic. Almahwit Bait Al Mahady. 990M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475613. 2877. Yemen Arab Republic. Almahwit Bait Al Mahady. 990M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds orange, brown, and white. Cultivated. Seed.
475614. 2878. Yemen Arab Republic. Almahwit Bait Al Shahedy. 990M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475615. 2879. Yemen Arab Republic. Almahwit Shahedy. 990M. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
475616. 2881. Yemen Arab Republic. Almahwit Bait Shahedy. 990M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown and white. Cultivated. Seed.
475617. 2886. Yemen Arab Republic. Almahwit Bait Shahedy. 990M.

474582 TO 475743-continued

- Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475618. 2888. Yemen Arab Republic. Almahwit Bait Shahedy. 990M. Race kafir durra. Head type 3 - open, elongated, elliptical. Seeds yellow and orange. Cultivated. Seed.
475619. 2889. Yemen Arab Republic. Almahwit Bait Shahedy. 990M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds red and brown. Cultivated. Seed.
475620. 2890. Yemen Arab Republic. Almahwit Bait Shahedy. 990M. Race caudatum. Head type 5 - semi-compact, ovate. Seeds brown and red. Cultivated. Seed.
475621. 2894. Yemen Arab Republic. Almahwit Bait Shahedy. 990M. Race kafir durra. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
475622. 2895. Yemen Arab Republic. Almahwit Bait Shahedy. 990M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475623. 2898. Yemen Arab Republic. Almahwit Al kata'a. 880M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
475624. 2899. Yemen Arab Republic. Almahwit Al Koulah. 880M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and orange. Cultivated. Seed.
475625. 2900. Yemen Arab Republic. Almahwit Al Koulah. 880M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475626. 2903. Yemen Arab Republic. Almahwit Al Koulah. 880M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475627. 2908. Yemen Arab Republic. Almahwit Al kata'a. 880M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475628. 2914. Yemen Arab Republic. Almahwit Al kata'a. 880M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475629. 2915. Yemen Arab Republic. Almahwit Al kata'a. 880M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475630. 2919. Yemen Arab Republic. Almahwit Al kata'a. 880M. Race kafir durra. Head type 4 - semi-open, elongated,

474582 TO 475743-continued

- elliptical. Seeds orange. Cultivated. Seed.
475631. 2923. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
475632. 2925. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475633. 2929. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
475634. 2932. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475635. 2934. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475636. 2935. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475637. 2937. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
475638. 2943. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475639. 2944. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow and white. Cultivated. Seed.
475640. 2945. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475641. 2946. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475642. 2948. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475643. 2953. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor. Head type 2 - very open, loose, similar to S.

474582 TO 475743-continued

- sudanense. Seeds yellow. Cultivated. Seed.
475644. 2954. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475645. 2958. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475646. 2959. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475647. 2960. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475648. 2963. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds tan. Cultivated. Seed.
475649. 2964. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475650. 2965. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
475651. 2966. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475652. 2967. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475653. 2968. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor kafir. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
475654. 2969. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
475655. 2971. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and tan. Cultivated. Seed.
475656. 2973. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor kafir. Head type 4 - semi-open, elongated,

474582 TO 475743-continued

- elliptical. Seeds light yellow. Cultivated. Seed.
475657. 2974. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475658. 2975. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475659. 2976. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475660. 2977. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
475661. 2979. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
475662. 2980. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475663. 2981. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475664. 2985. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race kafir bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475665. 2987. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race kafir bicolor. Head type 3 - open, elongated, elliptical. Seeds light brown and white. Cultivated. Seed.
475666. 2989. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475667. 2996. Yemen Arab Republic. Almahwit Al Arkoob. 1345M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
475668. 3005. Yemen Arab Republic. Al Karow. 1345M. Race kafir. Head type 2 - very open, loose, similar to *S. sudanense*. Seeds brown. Cultivated. Seed.
475669. 3008. Yemen Arab Republic. Al Karow. 1345M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.

474582 TO 475743-continued

475670. 3009. Yemen Arab Republic. Al Karow. 1345M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds white and yellow. Cultivated. Seed.
475671. 3014. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475672. 3015. Yemen Arab Republic. Al Arkoob. 1345M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475673. 3018. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475674. 3019. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475675. 3020. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475676. 3021. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
475677. 3022. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
475678. 3024. Yemen Arab Republic. Al Arkoob. 1345M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475679. 3026. Yemen Arab Republic. Showter. 1355M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475680. 3027. Yemen Arab Republic. Showter. 1355M. Race bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475681. 3028. Yemen Arab Republic. Showter. 1350M. Race bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475682. 3029. Yemen Arab Republic. Showter. 1350M. Race kafir bicolor. Head type 3 - open, elongated, elliptical. Seeds

474582 TO 475743-continued

- white. Cultivated. Seed.
475683. 3030. Yemen Arab Republic. Showter. 1350M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475684. 3031. Yemen Arab Republic. Showter. 1350M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475685. 3033. Yemen Arab Republic. Showter. 1350M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475686. 3035. Yemen Arab Republic. Reidah. 1350M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds grey. Cultivated. Seed.
475687. 3036. Yemen Arab Republic. Reidah. 1350M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds grey and yellow. Cultivated. Seed.
475688. 3038. Yemen Arab Republic. Reidah. 1350M. Race caudatum kafir. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475689. 3039. Yemen Arab Republic. Reidah. 1350M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475690. 3041. Yemen Arab Republic. Almahwit Al Shahidee. 1380M. Race caudatum kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475691. 3042. Yemen Arab Republic. Al Shahedy. 1380M. Race kafir. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475692. 3044. Yemen Arab Republic. Al Shahedy. 1380M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475693. 3045. Yemen Arab Republic. Al Shahedy. 1380M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and brown. Cultivated. Seed.
475694. 3046. Yemen Arab Republic. Al Shahedy. 1380M. Race caudatum bicolor. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475695. 3047. Yemen Arab Republic. Al Shahedy. 1380M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.

474582 TO 475743-continued

475696. 3048. Yemen Arab Republic. Al Shahedy. 1380M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475697. 3051. Yemen Arab Republic. Al Shahedy. 1380M. Race kafir durra. Head type 5 - semi-compact, ovate. Seeds orange. Cultivated. Seed.
475698. 3052. Yemen Arab Republic. Al Shahedy. 1380M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds white and brown. Cultivated. Seed.
475699. 3055. Yemen Arab Republic. Al Shahedy. 1355M. Race kafir durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange. Cultivated. Seed.
475700. 3058. Yemen Arab Republic. Al Shahedy. 1355M. Race kafir caudatum. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475701. 3059. Yemen Arab Republic. Al Shahedy. 1355M. Race bicolor. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475702. 3062. Yemen Arab Republic. Al Shahedy. 1355M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475703. 3064. Yemen Arab Republic. Al Shahedy. 1355M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475704. 3065. Yemen Arab Republic. Al Shahedy. 1355M. Race guinea kafir. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475705. 3066. Yemen Arab Republic. Al Shahedy. 1355M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475706. 3071. Yemen Arab Republic. Al Reidah. 1355M. Race kafir durra. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
475707. 3077. Yemen Arab Republic. Al Reidah. 1355M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds orange. Cultivated. Seed.
475708. 3078. Yemen Arab Republic. Reidah. 1350M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white and yellow. Cultivated. Seed.



474582 TO 475743-continued

475709. 3079. Yemen Arab Republic. Reidah. 1350M. Race kafir bicolor. Head type 3 - open, elongated, elliptical. Seeds white. Cultivated. Seed.
475710. 3080. Yemen Arab Republic. Reidah. 1350M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475711. 3081. Yemen Arab Republic. Showter. 1355M. Race guinea. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475712. 3083. Yemen Arab Republic. Showter. 1350M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds white. Cultivated. Seed.
475713. 3084. Yemen Arab Republic. Showter. 1350M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds brown. Cultivated. Seed.
475714. 3085. Yemen Arab Republic. Showter. 1300M. Race guinea. Head type 4 - semi-open, elongated, elliptical. Seeds light yellow. Cultivated. Seed.
475715. 3087. Yemen Arab Republic. Showter. 1350M. Race bicolor kafir. Head type 3 - open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475716. 3089. Yemen Arab Republic. Reidah. 1355M. Race kafir guinea. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475717. 47. Yemen Arab Republic. Al Huseisi. 1050M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475718. 105. Yemen Arab Republic. Al Botila. 700M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475719. 146. Yemen Arab Republic. Al Woraesh. 600M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475720. 176. Yemen Arab Republic. Al Woraesh. 600M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475721. 237. Yemen Arab Republic. Al Houban. 1550M. Race caudatum bicolor. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.

474582 TO 475743-continued

475722. 255. Yemen Arab Republic. Wadi Addash. 2000M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475723. 311. Yemen Arab Republic. Samsara. 1000M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475724. 315. Yemen Arab Republic. Amlah. 1000M. Race caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475725. 442. Yemen Arab Republic. Al Houban. 1550M. Race kafir. Head type 4 - semi-open, elongated, elliptical. Seeds yellow. Cultivated. Seed.
475726. 448. Yemen Arab Republic. Nashama. 1200M. Race caudatum. Head type 3 - open, elongated, elliptical. Seeds light orange. Cultivated. Seed.
475727. 482. Yemen Arab Republic. Nashama. 1200M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange and white. Cultivated. Seed.
475728. 537. Yemen Arab Republic. Wadi Kusha. 1900M. Race durra caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds red and orange. Cultivated. Seed.
475729. 541. Yemen Arab Republic. Wadi Kusha. 1900M. Race kafir caudatum. Head type 4 - semi-open, elongated, elliptical. Seeds orange. Cultivated. Seed.
475730. 749. Yemen Arab Republic. Naqil Nagdal Ahmer. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
475731. 771. Yemen Arab Republic. Nagdal Ahmer. 2300M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds yellow and orange. Cultivated. Seed.
475732. 780. Yemen Arab Republic. Kubba Arwa. 2100M. Race kafir caudatum. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
475733. 787. Yemen Arab Republic. Nagdal Ahmer. 2300M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow. Cultivated. Seed.
475734. 800. Yemen Arab Republic. Wadi Al Mejjareb. 2100M. Race durra caudatum. Head type 5 - semi-compact, ovate. Seeds

474582 TO 475743-continued

orange and yellow. Cultivated. Seed.

475735. 801. Yemen Arab Republic. Wadi Al Mejjareb. 2100M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange and yellow. Cultivated. Seed.
475736. 808. Yemen Arab Republic. Wadi Al Mejjareb. 2100M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.
475737. 822. Yemen Arab Republic. Ibb. 2000M. Race durra caudatum. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds orange and yellow. Cultivated. Seed.
475738. 835. Yemen Arab Republic. Ibb. 2000M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds yellow and orange. Cultivated. Seed.
475739. 849. Yemen Arab Republic. Khayar. 2400M. Race durra. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
475740. 891. Yemen Arab Republic. Al Maamar. 2200M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds white. Cultivated. Seed.
475741. 929. Yemen Arab Republic. Hamdah. 2600M. Race durra kafir. Head type 6 - semi-compact, elliptical. Seeds yellow. Cultivated. Seed.
475742. 990. Yemen Arab Republic. Ateib Jahran. 2460M. Race durra. Head type 7 - very compact, ovate, flattened base, with usually a recurved peduncle. Seeds brown. Cultivated. Seed.
475743. 1060. Yemen Arab Republic. Bait Al Komari. 2640M. Race durra. Head type 5 - semi-compact, ovate. Seeds yellow. Cultivated. Seed.

475744. *Lycopersicon esculentum* Mill. (Solanaceae) Tomato.

From United States. D. B. Galloway, Cleveland, Mississippi.  
Received November 1982.

Doyle. United States. Plants viney, volunteer easily.  
Fruits yellow, slightly elongated, 2.5cm x 1.9cm.  
Produces all summer. Weather cracks heal without spoilage.  
Disease resistant. Fruits flavorful, low in acid, long .

475744-continued

keeping. Cultivated. Seed.

475745. *Phaseolus coccineus* L. (Fabaceae) Scarlet runner bean.

From Netherlands. Sluis & Groot B.V., Enkhuizen.  
Received November 1982.

'Emergo'. Netherlands. Cultivar. Seed.

475746. *Citrullus lanatus* (Thunb.) Matsum. & Nakai (Cucurbitaceae)  
Watermelon.

From Paraguay. T. W. Whitaker, Collaborator, Imperial Valley  
Conservation Research Center, USDA, AR, Brawley,  
California, USA. Received through Pastor Arenas, Santa  
Rosa Mission, CEFAPRIN, Chaco Paraguayo, Paraguay.  
Received November 1982.

TWW-116. Paraguay. Collected November 23, 1981. Mission  
Santa Rosa. Grown by Manjuy Indians. Seeds vari-colored,  
medium sized. Local name Sandia. Cultivated. Seed.

475747. *Cucumis melo* L. (Cucurbitaceae).

From Paraguay. T. W. Whitaker, Collaborator, Imperial Valley  
Conservation Research Center, USDA, AR, Brawley,  
California, USA. Received through Pastor Arenas, Santa  
Rosa Mission, CEFAPRIN, Chaco Paraguayo, Paraguay.  
Received November 1982.

TWW-117. Paraguay. Collected November 23, 1981. Mission  
Santa Rosa. Grown by Manjuy Indians. Probably Casaba or  
Honey dew type. Local name Melones. Cultivated. Seed.

475748 TO 475751. *Cucurbita maxima* Duch. (Cucurbitaceae) Winter squash.

From Paraguay. T. W. Whitaker, Collaborator, Imperial Valley  
Conservation Research Center, USDA, AR, Brawley,  
California, USA. Received through Pastor Arenas, Santa  
Rosa Mission, CEFAPRIN, Chaco Paraguayo, Paraguay.  
Received November 1982.

475748. TWW-112. Paraguay. Collected November 01, 1981. Mission  
Santa Rosa. Plants grown by Manjuy Indians for centuries,  
endemic. Seeds small, white. Local name Zapallo.  
Cultivated. Seed.

475749. TWW-113. Paraguay. Collected March 01, 1981. Mission  
Santa Rosa. Plants grown by Manjuy Indians for centuries,

475748 TO 475751-continued

- endemic. Seeds medium-sized, white. Local name Zapallo. Cultivated. Seed.
475750. TWW-114. Paraguay. Collected February 01, 1981. Mission Santa Rosa. Plants grown by Manjuy Indians for centuries, endemic. Seeds banana type, buff-colored. Local name Calabazo. Cultivated. Seed.
475751. TWW-115. Paraguay. Collected February 23, 1981. Mission Santa Rosa. Plants grown by Manjuy Indians for centuries, endemic. Seeds banana type, medium-sized, buff-colored. Local name Calabazo. Cultivated. Seed.

475752 TO 475760. *Abelmoschus esculentus* (L.) Moench (Malvaceae) Okra.

From Pakistan. Pakistan Agricultural Research Council, Foundation of Agricultural Plant Breeding and IBPGR, Islamabad, Wageningen, Netherlands & Rome, Italy. Received March 1982.

475752. PNE 199-3. Pakistan. Collected 1981. Mastang, Baluchistan. Seed.
475753. PNE 230-6. Pakistan. Collected 1981. Umarabad, Baluchistan. Seed.
475754. PNE 251-16. Pakistan. Collected 1981. Luni, Baluchistan. Seed.
475755. PNE 252-4. Pakistan. Collected 1981. Ghulo Share, Baluchistan. Seed.
475756. PNE 253-5. Pakistan. Collected 1981. Korik, Baluchistan. Seed.
475757. PNE 257-1. Pakistan. Collected 1981. Sibi, Baluchistan. Seed.
475758. PNE 258-4. Pakistan. Collected 1981. Maharghar, Baluchistan. Seed.
475759. PNE 373-7. Pakistan. Collected 1981. Kili Bataizai Kona Bazar, Baluchistan. Seed.
475760. PNE 373-8. Pakistan. Collected 1981. Kili Bataizai Kona Bazar, Baluchistan. Seed.

475761 TO 475770. *Nicotiana tabacum* L. (Solanaceae) Tobacco.

From Pakistan. Pakistan Agricultural Research Council, Foundation of Agricultural Plant Breeding and IBPGR, Islamabad,

**475761 TO 475770-continued**

Wageningen, Netherlands & Rome, Italy.

Received March 1982.

- 475761. PNE 241-5. Pakistan. Collected 1981. Raigora, Baluchistan. Seed.
- 475762. PNE 362-4. Pakistan. Collected 1981. Sabura, Baluchistan. Seed.
- 475763. PNE 369-3. Pakistan. Collected 1981. Qila Viala, Baluchistan. Seed.
- 475764. PNE 373-13. Pakistan. Collected 1981. Kili Bataizai Kona Bazar, Baluchistan. Seed.
- 475765. PNE 407-5. Pakistan. Collected 1981. Dilisor, Baluchistan. Seed.
- 475766. PNE 412-8. Pakistan. Collected 1981. Babu Cheena, Baluchistan. Seed.
- 475767. PNE 417-4. Pakistan. Collected 1981. Watterzion, Baluchistan. Seed.
- 475768. PNE 418-6. Pakistan. Collected 1981. Akhtarzai, Baluchistan. Seed.
- 475769. PNE 420-6. Pakistan. Collected 1981. Allozai, Baluchistan. Seed.
- 475770. PNE 427-4. Pakistan. Collected 1981. Zargoan, Baluchistan. Seed.

**475771 TO 475772. Triticum aestivum L. (Poaceae) Common wheat.**

From United States. Agricultural Experiment Station, Kansas State University, Hays, Kansas.

Received November 1982.

- 475771. KS79H69. 'Arkan'. R. W. Livers. Sage/Arthur. Semi-dwarf hard red type. Maturity early. Upper leaf surface pubescent. Heads erect, awned. Resistant to soilborne mosaic virus, Hessian fly (H3), leaf rust (Lr24) stem rust (Sr24, Sr6, & Tt-1) and Cephalosporium leaf stripe. Very good hard wheat milling and baking quality. Winter Annual. Cultivar. Seed.
- 475772. KS80H4200. Salmon/Sage/3/Larned/Eagle/Sage. Hard red type. Maturity and height same as Sage. Yield and grain test level lower than Sage. Homozygous resistance to wheat curl mite, vector of wheat streak mosaic virus. Resistant to leaf rust (Lr24) and Hessian fly (H3).

475771 TO 475772-continued

Susceptible to wheat soilborne mosaic virus and to mechanical inoculation with wheat streak mosaic virus. Winter Annual. Cultivated. Breeding Material. Seed.

475773 TO 475774. *Solanum tuberosum* L. (Solanaceae) Potato.

From United Kingdom. P. Day, Plant Breeding Institute, Cambridge CV2 2BQ.  
Received November 1982.

475773. Foxton. United Kingdom. Cultivated. Tubers.

475774. F49/52. United Kingdom. Cultivated. Tubers.

475775 TO 475780. *Solanum tuberosum* L. (Solanaceae) Potato.

From United Kingdom. Scottish Plant Breeding Station, Roslin, Midlothian EH25 9RF, Scotland.  
Received November 1982.

475775. Craigs Snow White. United Kingdom. Cultivated. Tubers.

475776. Pentland Ace. United Kingdom. Cultivated. Tubers.

475777. 1488 b. United Kingdom. Cultivated. Tubers.

475778. 1647 b. United Kingdom. Cultivated. Tubers.

475779. 2070. United Kingdom. Cultivated. Tubers.

475780. 3681 ad. United Kingdom. Cultivated. Tubers.

475781. *Solanum tuberosum* L. (Solanaceae) Potato.

From Soviet Union. N.I. Vavilov Institute of Plant Industry, Leningrad.  
Received November 1982.

Loshitzkij. Soviet Union. Minsk. White Russian Inst. of Potato, Veg. Crops & Fruits. Olev x Korenevskij. Maturity mid-to-late. Plants highly branched. Leaves large, moderately dissected. Flowers blue violet. Tubers pale yellow, elongated, oval. Resistant to wart, late blight, and mechanical injury. Starch content 17-23%, protein 1.6-1.9%, ascorbic acid 30mg. Very tasty. Cultivated. Tubers.

475782. *Solanum tuberosum* L. (Solanaceae) Potato.

From Israel. Agricultural Research Organization, The Volcani

**475782-continued**

Center, Bet Dagan.

Received November 1982.

557-1. Israel. Seedling selection from a population of  
Dr. Plaisted, Cornell University. Cultivated. Tubers.

**475783 TO 475785. Glycine max (L.) Merr. (Fabaceae) Soybean.**

From China, Peoples Repub of. Shanxi Agricultural Academy of  
Science, Shanxi Province. Received through C. Jennings,  
Pioneer Hi-bred International, Cedar Falls, Iowa.  
Received November 1982.

475783. Tsing 2. China, Peoples Repub of. Cultivated. Seed.

475784. Tsing 202. China, Peoples Repub of. Cultivated. Seed.

475785. Tsing 371. China, Peoples Repub of. Cultivated. Seed.

**475786 TO 475809. Oryza sativa L. (Poaceae) Rice.**

From Philippines. International Rice Research Institute, Manila.  
Received September 1982.

475786. IRRI 39591. CR 118-5. Cultivated. Seed.

475787. IRRI 39601. CR 141-3085-6-233. Cultivated. Seed.

475788. IRRI 39602. CR 141-3138-2-234. Cultivated. Seed.

475789. IRRI 45428. CR 141-4004-1-191. Cultivated. Seed.

475790. IRRI 45429. CR 141-4004-2-192. Cultivated. Seed.

475791. IRRI 39600. CR 141-5130-232. Cultivated. Seed.

475792. IRRI 45438. CR 155-5029-216. Cultivated. Seed.

475793. IRRI 45441. CR 155-5039-215. Cultivated. Seed.

475794. IRRI 45439. CR 155-5039-217. Cultivated. Seed.

475795. IRRI 45440. CR 155-5039-219. Cultivated. Seed.

475796. IRRI 39736. RP 79-2. Cultivated. Seed.

475797. IRRI 46598. RP 79-3. Cultivated. Seed.

475798. IRRI 40120. RP 79-5. Cultivated. Seed.

475799. IRRI 46599. RP 79-6. Cultivated. Seed.



475786 TO 475809-continued

- 475800. IRRI 46600. RP 79-8. Cultivated. Seed.
- 475801. IRRI 40121. RP 79-9. Cultivated. Seed.
- 475802. IRRI 19673. RP 79-13. Cultivated. Seed.
- 475803. IRRI 19674. RP 79-14. Cultivated. Seed.
- 475804. IRRI 46602. RP 79-19. Cultivated. Seed.
- 475805. IRRI 40032. RP 79-23A. Cultivated. Seed.
- 475806. IRRI 39737. RP 79-24. Cultivated. Seed.
- 475807. IRRI 46603. RP 79-27. Cultivated. Seed.
- 475808. IRRI 46604. RP 79-28. Cultivated. Seed.
- 475809. IRRI 46605. RP 79-30. Cultivated. Seed.

475810 TO 475824. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. Institute of Agriculture of Xinjiang, Xinjiang Province. Received through R.L. Bernard, USDA, Dept. of Agronomy, University of Illinois, Urbana, IL.  
Received December 1982.

- 475810. 1R. China, Peoples Repub of. Fukong. Plants erect. Cultivated. Seed.
- 475811. 2R. China, Peoples Repub of. Jinghe. Plants erect. Cultivated. Seed.
- 475812. 3R. China, Peoples Repub of. Kul'le. Plants semierect. Cultivated. Seed.
- 475813. 4R. China, Peoples Repub of. Kul'le. Plants semierect. Seeds black. Cultivated. Seed.
- 475814. 5R. China, Peoples Repub of. Kul'le. Plants semierect. Seeds large, black. Cultivated. Seed.
- 475815. 6R. China, Peoples Repub of. Kul'le. Plants semierect. Seeds white. Cultivated. Seed.
- 475816. 7R. China, Peoples Repub of. Kul'le. Plants procumbent. Seeds small, red. Cultivated. Seed.
- 475817. 8R. China, Peoples Repub of. Miqan. Plants erect. Cultivated. Seed.

475810 TO 475824-continued

- 475818. 9R. China, Peoples Repub of. Shawan. Plants semierect. Cultivated. Seed.
- 475819. 10R. China, Peoples Repub of. Suiding. Plants erect. Cultivated. Seed.
- 475820. 11R. China, Peoples Repub of. Tacheng. Plants procumbent. Seed color mixed. Adapted to cool climate. Cultivated. Seed.
- 475821. 12R. China, Peoples Repub of. Tacheng. Plants erect. Adapted to cool climate. Cultivated. Seed.
- 475822. 13R. China, Peoples Repub of. Turfan. Plants erect. Heat and drought tolerant. Cultivated. Seed.
- 475823. 14R. China, Peoples Repub of. Xinyuan. Plants erect. Seeds small. Cultivated. Seed.
- 475824. 15R. China, Peoples Repub of. Yianqi. Plants erect. Cultivated. Seed.

475825 TO 475831. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. August First College, Wulumuqi, Xinjiang Province. Received through R.L. Bernard, USDA Dept. of Agronomy, University of Illinois, Urbana, IL. Received December 1982.

- 475825. 16B. China, Peoples Repub of. Northeastern Agricultural College No. 5. Heilongjiang. Cultivated. Seed.
- 475826. 18B. China, Peoples Repub of. Jinhe, Xinjiang Province. Cultivated. Seed.
- 475827. 20B. Jinyuan No. 1 (Golden Dollar). China, Peoples Repub of. Jinyuan. Cultivated. Seed.
- 475828. 23B. Amuz. China, Peoples Repub of. Probably Xinjiang. Cultivated. Seed.
- 475829. 24B. Da Ba Dou (Big White). China, Peoples Repub of. Probably Northeast. Cultivated. Seed.
- 475830. 26B. Zao Shu Yi Hao No. 1 (Early maturing No. 1). China, Peoples Repub of. Probably Northeast. Cultivated. Seed.
- 475831. 27B. Xiac Jin Huang (Small Goldern). China, Peoples Repub of. Northeast. Cultivated. Seed.

475832. *Nicotiana noctiflora* Hook. (Solanaceae).

From Argentina. R. Giroto, Estacion Experimental Regional Agropecuaria Salta, Instituto Nacional de Tecnologia Agropecuaria, 4400 Salta.  
Received December 1982.

Argentina. Recta de Tintin, 120km from Salta, Dept. of Cachi, Salta Province. Wild. Seed.

475833. *Oryza sativa* L. (Poaceae) Rice.

From United States. C. N. Bollich, Rice Research, ARS-USDA, Beaumont, Texas.  
Received December 1982.

'Lemont'. United States. 'Lebonnet' x the F1 of CI 9881/PI 331581. Joint release by ARS-USDA; Texas and Louisiana Agricultural Experiment Stations; and Mississippi Agricultural and Forestry Experiment Station. Semi-dwarf long-grain type. Flag leaves erect until maturity. Spikelet straw-colored, glabrous, awnless. Seed wider and heavier than Lebonnet. Superior milling quality. Resistant to lodging. Resistant to blast fungus, panicle blight, moderately resistant to straighthead. Very susceptible to sheath blight. Cultivar. Seed.

Abelmoschus esculentus	475752-475760	Camellia hybrid	466736
Aframomum giganteum	470924	Canavalia ensiformis	468395, 470242, 470931
Agropyron dasystachyum	469235	Capsicum annuum	466903-466909, 470243-470244
Agropyron desertorum	469211, 469225	Capsicum sp.	470245
Agropyron elongatum	469212	Carthamus tinctorius	470942
Agropyron hybrid	469213	Chenopodium quinoa	470932
Agropyron intermedium	469214-469215	Cicer arietinum	468927-468949, 471915
Agropyron smithii	469236	Citrullus lanatus	464872, 470246-470249, 475746
Agropyron spicatum	469216	Coffea arabica	470229-470237
Agrostis tenuis	469217	Cornus amomum	468117
Allium cepa	470239, 470921	Crotalaria juncea	468956
Allium hybrid	468116	Crotalaria pallida	470250
Allium sativum	470922-470923	Crotalaria sp.	470251
Ananas comosus	468976	Cucumis melo	470252-470253, 475747
Andropogon gerardii	474216	Cucumis sativus	464873, 466920-466923, 470254
Andropogon hallii	469237	Cucurbita maxima	475748-475751
Arachis diogeni	468141-468142	Cucurbita pepo	470255-470256, 470933
Arachis glabrata	468143	Dactylis glomerata	469234
Arachis helodes	468144-468147	Desmodium aparines	469242
Arachis hypogaea	467302-467306, 468133-468140, 468189-468195, 468204-468318, 468346-468353, 468950-468955, 468957-468958, 470238, 470240, 471944-472005	Desmodium sp.	470257-470258
Arachis lutescens	468148	Dichanthium annulatum	469251
Arachis monticola	468196	Dichanthium aristatum	469252
Arachis sp.	468149-468188, 468197-468203, 468319-468345, 468354-468372	Digitaria californica	469253
Asparagus officinalis	469239-469240	Elymus cinereus	469229
Asparagus schoberioides	469241	Eragrostis chloromelas	469222
Astragalus adsurgens	464864, 470920	Eragrostis lehmanniana	469223
Avena hybrid	469111-469113	Eragrostis superba	469254
Avena sativa	466859-466902, 466924, 467882, 468108, 469104-469106, 469108-469110, 469265-469268, 470277, 471906-471910	Eragrostis trichodes	469238
Avena sp.	470278	Festuca arizonica	469218
Beta vulgaris	467869-467881, 470089-470096, 470915	Festuca arundinacea	469244
Bothriochloa ischaemum	469221	Fraxinus pennsylvanica	469226
Bouteloua curtipendula	469219, 469250	Glycine max	464865, 464874-464888, 464893-464906, 464909-464924, 464930-464933, 464940-464941, 466749, 467307-467347, 468130-468131, 468373-468378, 468381-468385, 468408, 468903, 468914-468915, 468920-468923, 468964-468973, 470221-470227, 470929-470930, 471899-471904, 471925-471943, 473572-473573, 475783-475785, 475810-475831
Bouteloua eriopoda	469220	Glycine soja	464866-464871, 464889-464892, 464925-464929, 464934-464939, 468396-468400, 468904-468913, 468916-468919
Brassica juncea	470241	Gossypium robinsonii	468123
Brassica napus	469724-470087	Gossypium sp.	468392-468393
Bromus carinatus	469231	Haynaldia villosa	470279
Bromus inermis	469227	Hedysarum fruticosum	468122
Bromus mollis	469232		
Bromus unioloides	469233, 469243		
Cajanus cajan	468394		

Helianthus agrestis	468414-	Helianthus petiolaris	468804-
468416		468844	
Helianthus angustifolius		Helianthus porteri	468845
468417-468433		Helianthus praecox	468846-
Helianthus annuus	468434-	468867	
468637,471077		Helianthus radula	468868-
Helianthus anomalus	468638-	468877	
468644		Helianthus resinosus	468878-
Helianthus argophyllus	468645-	468880	
468651		Helianthus rigidus	468881-
Helianthus atrorubens	468652-	468885	
468659		Helianthus silphioides	468886
Helianthus bolanderi	468660-	Helianthus simulans	468887
468663		Helianthus smithii	468888-
Helianthus ciliaris	468664-	468890	
468665		Helianthus strumosus	468891-
Helianthus debilis	468666-	468894	
468695		Helianthus tuberosus	468895-
Helianthus decapetalus	468696-	468897	
468697		Hibiscus cannabinus	468074-
Helianthus deserticola	468698-	468077	
468705		Hibiscus sabdariffa	468409-
Helianthus divaricatus	468706-	468413	
468711		Hordeum spontaneum	465979-
Helianthus eggertii	468712	466702	
Helianthus floridanus	468713-	Hordeum vulgare	466711-466735,
468716		466737-466738,466854-466858,	
Helianthus giganteus	468717-	466919,467352-467868,467884,	
468720		468105-468106,468115,469107,	
Helianthus glaucophyllus		470276,470280-470296,471911-	
468721		471914,473539-473547,473574-	
Helianthus gracilentus	468722-	473575	
468723		Ilex x attenuata	465978
Helianthus grosse-serratus		Impatiens sp.	465965-465977,
468724-468727		466740-466748	
Helianthus heterophyllus		Ipomoea aquatica	470259
468728-468733		Lagenaria siceraria	470260
Helianthus hirsutus	468734-	Lathyrus sylvestris	468924-
468739		468926	
Helianthus laevigatus	468740-	Lens culinaris	468898-468902,
468742		470916-470919,471916-471917,	
Helianthus maximiliani	468743-	472119-472636	
468750		Lespedeza bicolor	469245
Helianthus microcephalus		Lespedeza capitata	468118
468751-468757		Leucaena leucocephala	466706-
Helianthus mollis	468758-	466710,468121,468124-468125,	
468762		468132,468380,468386-468389,	
Helianthus neglectus	468763-	469255-469257	
468781		Linum usitatissimum	468066-
Helianthus niveus	468782-	468072,468078-468102,469273-	
468794		469293,473560	
Helianthus nuttallii	468795-	Lotus corniculatus	472006-
468797		472015	
Helianthus occidentalis	468798-	Luffa acutangula	470261
468799		Lupinus albus	467348-467351,
Helianthus paradoxus	468800-	468127-468129,469095-469096	
468803		Lupinus angustifolius	469097

Lycopersicon esculentum	466910-466918, 470262-470263, 475744		472832, 473350, 473402-473406
Medicago sativa	467885-468004, 468006-468053, 469262, 473571		Solanum chiquidenum 473459
Medicago scutellata	469098		Solanum chomatophilum 473460
Medicago sp.	468005, 468054-468056, 469263		Solanum circaeifolium 473461
Medicago truncatula	469099-469102		Solanum colombianum 473407, 473462
Momordica charantia	470264		Solanum commersonii 472833-472855, 473408-473413
Nicotiana noctiflora	475832		Solanum demissum 473520
Nicotiana tabacum	470088, 475761-475770		Solanum fernandezianum 473463
Oryza sativa	468058-468065, 468109-468114, 468126, 468379, 469295-469717, 470265-470269, 473561-473569, 474579-474580, 475786-475809, 475833		Solanum infundibuliforme 472856-472920, 473414, 473521-473522
Oryzopsis hymenoides	469230		Solanum juglandifolium 473415
Pachyrhizus erosus	470270		Solanum kurtzianum 472921-472965, 473416-473420
Panicum antidotale	469224		Solanum leptophyes 472966-473108, 473424-473427, 473495, 473523
Panicum maximum	469258-469260		Solanum lignicaule 473351
Panicum virgatum	469228		Solanum lobbianum 473352-473355
Pennisetum americanum	467883		Solanum medians 473496
Phaseolus coccineus	475745		Solanum megistacrolobum 473109-473165, 473356-473361, 473497, 473524
Phaseolus lunatus	470934-470935		Solanum melongena 470273
Phaseolus vulgaris	470936-470938, 474217-474578		Solanum microdontum 473166-473180, 473362-473363, 473525
Physalis acutifolia	468103		Solanum ochranthum 473498
Pisum sativum	471078-471439		Solanum oplocense 473181-473199, 473364-473368, 473499-473500
Psophocarpus tetragonolobus	470271		Solanum paucijugum 473421
Pueraria phaseoloides	470272		Solanum pennellii 473422, 473464
Secale cereale	470297		Solanum piurae 473501
Setaria italica	467052-467054, 473576-473608		Solanum raphanifolium 473369-473371, 473465-473467, 473502, 473526-473528
Sinapis alba	468119-468120, 469718		Solanum sanctae-rosae 473200, 473423
Solanum acaule	472637-472803, 473313-473329, 473399-473400, 473430-473444, 473480-473488, 473509-473519		Solanum santolallae 473372
Solanum acroglossum	473489		Solanum sp. 473201-473215, 473428-473429, 473468-473479, 473529
Solanum amabile	473445		Solanum sparsipilum 473373-473388, 473503-473506, 473530-473533
Solanum aracc-papa	473490		Solanum stoloniferum 473534
Solanum berthaultii	473330-473340		Solanum tarijense 473216-473245
Solanum boliviense	472804-472808		Solanum toralapanum 473389
Solanum brevidens	473401		Solanum tuberosum 473246-473302, 473390-473394, 473507-473508, 473535-473538, 475773-475782
Solanum bukasovii	473446-473453, 473491-473494		
Solanum canasense	473341-473349, 473454-473457		
Solanum capsicibaccatum	473458		
Solanum chacoense	472809-		

Solanum vernei 473303-473312  
 Solanum violaceumarmoratum  
 473395-473398  
 Sorghum bicolor 464942-465964,  
 469246, 469723, 474582-475743  
 Sorghum sudanense 469247  
 Stevia rebaudiana 468391,  
 469261  
 Trifolium alexandrinum 468390,  
 468401-468407, 470943  
 Trifolium hirtum 469103  
 Trifolium pratense 468057  
 Trigonella foenum-graecum  
 469264  
 Triticum aestivum 464907,  
 466704-466705, 466739, 468107,  
 468959-468963, 468977-469094,  
 469269-469272, 469294, 470298-  
 470711, 470757, 470925-470928,  
 471905, 471919-471923, 472024-  
 472028, 473548-473559, 473570,  
 474581, 475771-475772  
 Triticum boeoticum 470712-  
 470728  
 Triticum carthlicum 470729-  
 470734  
 Triticum compactum 470735  
 Triticum dicoccoides 466926-  
 467051, 470736, 470944-471076,  
 471601-471817  
 Triticum dicoccon 470737-  
 470739  
 Triticum durum 470740-470744,  
 470758-470914  
 Triticum hybrid 470097-470220  
 Triticum sp. 470745-470756  
 Triticum spelta 471924  
 Vicia faba 469114-469210,  
 471918  
 Vicia narbonensis 466925  
 Vigna radiata 464908, 470228,  
 473609-474204  
 Vigna unguiculata 468104,  
 469248-469249, 470274, 470940-  
 470941, 471440-471600  
 X Triticosecale 466703  
 Zea mays 466750-466853, 467055-  
 467301, 468073, 468974-468975,  
 469719-469722, 470275, 470939,  
 471818-471898, 472016-472023,  
 472029-472118, 474205-474215

Alfalfa	467885-467969,468006-468013,469262,473571	474205-474212
Angleton bluestem	469252	Flat pea 468924-468926
Arizona cottontop	469253	Flax 468066-468072,468078-468102,469273-469293,473560
Arizona fescue	469218	Foxtail millet 467052-467054,473576-473608
Ashy sunflower	468758-468762	Garden asparagus 469239-469240
Balsam pear	470264	Garden bean 470936-470938,474217-474578
Barley	466711-466735,466737-466738,466854-466858,466919,467352-467868,467884,468105-468106,468115,469107,470276,470280-470296,471911-471914,473539-473547,473574-473575	Garden pea 471078-471439
Barrelclover	469099-469102	Garlic 470922-470923
Basin wildrye	469229	Giant sunflower 468717-468720
Beach sunflower	468666	Guineagrass 469258-469260
Beardless wheatgrass	469216	Hairy sunflower 468728-468733
Berseem clover	468390,468401-468407,470943	Hairy wood sunflower 468652-468659
Big bluestem	474216	Hopi sunflower 468635-468637
Birdsfoot trefoil	472006-472015	Indian mustard 470241
Black grama	469220	Jackbean 468395,470242,470931
Blue panicgrass	469224	Jerusalem artichoke 468895-468897
Boer lovegrass	469222	Kansas sunflower 468804-468806
Bottle gourd	470260	Kenaf 468074-468077
Broadbean	469114-469210,471918	Leadtrees 466706-466710,468121,468124-468125,468132,468380,468386-468389,469255-469257
Chickpea	468927-468949,471915	Lehmann lovegrass 469223
Club wheat	470735	Lentil 468898-468902,470916-470919,471916-471917,472119-472636
Coffee	470229-470237	Lima bean 470934-470935
Colonial bentgrass	469217	Maximilian's sunflower 468743-468750
Common oat	466859-466902,466924,467882,468108,469104-469106,469108-469110,469265-469268,470277,471906-471910	Mountain brome 469231
Common wheat	464907,466704-466705,466739,468107,468959-468963,468977-469094,469269-469272,469294,470298-470711,470757,470925-470928,471905,471919-471923,472024-472028,473548-473559,473570,474581,475771-475772	Mungbean 464908,470228,473609-474204
Cotton	468392-468393	Narbonne vetch 466925
Cucumber	464873,466920-466923,470254	Okra 475752-475760
Diaz bluestem	469251	Onion 470921
Durum wheat	470740-470744,470758-470914	Orchardgrass 469234
Eggplant	470273	Peanut 467302-467306,468133-468140,468189-468195,468204-468318,468346-468353,468950-468955,468957-468958,470238,470240,471944-472005
Emmer	470737-470739	Pearl millet 467883
European blue lupine	469097	Persian wheat 470729-470734
Fenugreek	469264	Pigeon pea 468394
Field corn	466750-466853,467055-467301,469719-469722,470275,470939,471818-471898,472016-472021,472029-472118,	Pineapple 468976
		Popcorn 468073
		Potato 475773-475782
		Pubescent wheatgrass 469214-469215
		Quinoa 470932
		Rape 469724-470087
		Red clover 468057
		Rescuegrass 469233,469243



Rice	468058-468065, 468109-468114, 468379, 469295-469717, 473561-473569, 474579-474580, 475786-475809, 475833	474213-474215	
Rose clover	469103	Sweet sorghum	469246
Roselle	468409-468413	Switchgrass	469228
Roundhead lespedeza	468118	Tall fescue	469244
Rye	470297	Tall wheatgrass	469212
Safflower	470942	Teosinte	468975
Sand bluestem	469237	Texas blueweed	468664-468665
Sand lovegrass	469238	Thickspike wheatgrass	469235
Sawtooth sunflower	468724-468727	Thinleaf sunflower	468696-468697
Scarlet runner bean	475745	Tobacco	470088, 475761-475770
Shrub bushclover	469245	Tomato	466910-466918, 470262-470263, 475744
Side-oats grama	469219, 469250	Triticale	466703
Silky Dogwood	468117	Tropical kudzu	470272
Silverleaf sunflower	468645-468651	Upland rice	470265-470269
Singkwa towelgourd	470261	Watermelon	464872, 470246-470249, 475746
Slender sunflower	468722-468723	Western wheatgrass	469236
Small wood sunflower	468751-468757	White lupine	467348-467351, 468127-468129, 469095-469096
Smooth bromegrass	469227	White mustard	468119-468120, 469718
Smooth crotalaria	470250	Wild emmer	466926-467051, 470736, 470944-471076, 471601-471817
Snail medic	469098	Wild soybean	464866-464871, 464889-464892, 464925-464929, 464934-464939, 468396-468400, 468904-468913, 468916-468919
Soft chessgrass	469232	Wilman lovegrass	469254
Sorghum	464942-465964, 469723, 474582-475743	Winged bean	470271
Southern pea	469248-469249, 471440-471600	Winter squash	475748-475751
Soybean	464865, 464874-464888, 464893-464906, 464909-464924, 464930-464933, 464940-464941, 466749, 467307-467347, 468130-468131, 468373-468378, 468381-468385, 468408, 468903, 468914-468915, 468920-468923, 468964-468973, 470221-470227, 470929-470930, 471899-471904, 471925-471943, 473572-473573, 475783-475785, 475810-475831	Woodland sunflower	468891-468894
Spelt	471924	Yard-long bean	470274, 470940-470941
Standard crested wheatgrass	469211, 469225	Yellow bluestem	469221
Stiff sunflower	468881-468882		
Stiff-haired sunflower	468734-468739		
Sudangrass	469247		
Sugarbeet	467869-467881, 470089-470096, 470915		
Sunflower	468434-468634, 471077		
Sunn hemp	468956		
Swamp morning-glory	470259		
Swamp sunflower	468417-468433		
Sweet corn	472022-472023,		