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Plant Inventory No. 186



UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., November 1981

Plant Material Introduced January 1 to December 31, 1978
(Nos. 420807 to 431463)

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This inventory, No. 186, lists the plant material (Nos. 420807 to 431463) received by the Germplasm Resources Laboratory, Plant Genetics and Germplasm Institute, Science and Education Administration, during the period from January 1 to December 31, 1978. The inventory is a historical record of plant material introduced by Departmental and other specialists and is not to be considered as a list of plant material for distribution.

The species names used are those under which the plant material was received. These have been corrected only for spelling, authorities, and obvious synonymy. Questions related to the names published in the Inventory and obvious errors should be directed to the author. If misidentification is apparent, please submit a herbarium specimen with flowers and fruit for reidentification.

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ACKNOWLEDGMENT

Word processing equipment has been used since 1960 to generate the manuscripts for these Plant Inventories. Plant Inventory No. 186 will be the last prepared in this manner. Over the years many persons have significantly contributed to the publication of the inventories. Special thanks is expressed to P. C. Gulick and to C. M. Mayo for their contributions in the preparation of Plant Inventory No. 186, and to W. Hutchison for her editorial thoroughness.

420807. AESCHYNOMENE AMERICANA L. Fabaceae. Joint-vetch.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Tropical Crops and Pastures, Brisbane, through A. E. Grant Lipp, Plant Introduction Officer, Division of Plant Industry, Canberra City. Numbered February 3, 1978.

C.P.I. 58950. Originally from Experiment Station, Colonia-Benitez, Chaco, Argentina.

420808. PYRUS PYRIFOLIA (Burm. f.) Nakai Rosaceae.

Chinese pear.

From Thailand. Budwood presented by Subtropical Horticultural Research Unit, Miami, Florida. Numbered March 7, 1978.

420809. PYRUS CALLERYANA Decne. Rosaceae. Callery pear.

From Union of Soviet Socialist Republics. Cuttings presented May 1974 by Director, N. I. Vavilov Institute of Plant Industry, Leningrad. Numbered March 7, 1978.

420810. PYRUS COMMUNIS L. Rosaceae. Pear.

From South Africa. Cuttings presented June 1974 by Plant Introduction Officer, Fruit and Fruit Technology Research Institute, Stellenbosch. Numbered March 8, 1978.

'BP-2'.

420811 and 420812.

From Australia. Seed presented by A. E. Grant Lipp, Plant Introduction Officer, Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra, New South Wales. Numbered March 1, 1978.

420811. TRIFOLIUM ALEXANDRINUM L. Fabaceae. Berseem clover.

NYT 12-17. 'Eitan'. Originally from Tejo River basin, Portugal.

420812. TRIFOLIUM BATMANICUM Katznelson Fabaceae.

NYT 1055. Originally collected July 1967 by J. Katznelson, Neve Ya'ar Experiment Station, Haifa, Israel. Eastern Turkey. Ten km west of Dyarbakir-Bitlis-Bingol junction. Grassland. Basalt soil. Wild.

420813 and 420814. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Mexico. Seed presented by R. Garcia Calderon, Centro de Investigaciones Agricolas de el Bajio, Sección de Alfalfa, Celaya, Guanajuato. Received November 1, 1977.

420813. 'INIA-76'. High yielding and widely adapted in Mexico. Rapid regrowth. Some mildew resistance.

420814. 'Tanverde'. Derived from the non-dormant ecotype 'Tanhuato'. High yielding and adapted to many areas of Mexico. Winter production good. Susceptible to pea aphid.

420815 to 420818. LENS CULINARIS Medik. Fabaceae. Lentil.

From Greece. Seed presented by E. L. Stylopoulos, Director, Institute for Fodder Crops, Larissa. Selections from M-1956 Provencer Linze (P.I. 297756). Received November 11, 1977.

420815. Selection 143/77.

420816. Selection 144/77.

420815 to 420818—Continued

420817. Selection 147/77.

420818. Selection 150/77.

420819 to 420825. ASTRAGALUS CICER L. Fabaceae.**Cicer milkvetch.**

From Romania. Seed presented by A. Nyarady, 'Petru Groza' Institut Agromonic, Gradina Agrobotanica, Manastur, Cluj-Napoca. Received November 10, 1977.

420819. Collected by A. T. Szabo, Floresti spre Cetatea Fetei, Cluj-Napoca.

420820. Collected by A. T. Szabo, Cluj, Fanatele Clujului. Elevation 450 m.

420821. Collected by A. T. Szabo, Cluj, Finatele Clujului. Elevation 520 m.

420822. Collected by I. Petridean, Gura Baciului, Cluj, Cluj-Napoca. Elevation 370 m.

420823. Collected by I. Petridean, Gheorgheni, Cluj. Elevation 550 m.

420824. Collected by D. Pazmany, Lomb, Cluj, Cluj-Napoca. Elevation 450 m.

420825. Agrobotanical Garden, Agronomical Institute, Cluj-Napoca Elevation 375 m.

420826 and 420827.

From Nicaragua. Seed presented by Rainer Daxl, Project Manager, Integrated Pest Control, Food and Agriculture Organization, Managua. Received November 30, 1977.

420826. *Gossypium* sp. Malvaceae. Cotton.
Collected by R. Bodan, March 1977. H. Tapia's residence, Masatepe, Carazo Department.

420827. *Gossypium* sp. Cotton.
La Calera, Managua, April 1974. Originally from Lake Managua in 1972.

420828 and 420829.

From England. Plants presented November 1975 by Hillier Nurseries, Ltd., Winchester, Hampshire. Numbered January 26, 1978.

420828. *Arundinaria Falconeri* (Hook. f.) Benth. ex Gamble Poaceae.
Falconeri bamboo.

Q. 20257.

420829. *Arundinaria spathiflora* Trin.
Q 20258.

420830. ACER GINNALA Maxim. Aceraceae. Amur maple.

From Afghanistan. Seed presented by The Asia Foundation, Kabul. Received November 17, 1977.
Ghor Province.

420831 and 420832.

From Indonesia. Seed donated by Hendro Hasuki, Bibit Baru P. T., Medan, N. Sumatra. Numbered January 26, 1978.

420831. *Impatiens* sp. Balsaminaceae.
Flowers white. Collected June 1977, Karo Highlands.

420831 and 420832—Continued420832. *IMPATIENS* sp.

Flowers lavender. Collected June 1977, Karo Highlands.

420833 to 420840. VITIS VINIFERA L. Vitaceae. European grape.

From West Germany. Cuttings presented February 1977 by H. Hahn, Bundesforschung-sanstalt fur Rebzuchtung, Geilweilerhof. Numbered January 11, 1978.

420833. 'Elbling'. 145.

420834. 'Limberger'. 267.

420835. 'Ortlieber'. 374.

420836. 'Portugieser'. 393.

420837. 'Rauschling'. 411.

420838. 'Rulander'. 439.

420839. 'St. Laurent'. 444.

420840. 'Trollinger'. 520.

420841. RESEDA LUTEA L. Resedaceae.

From Italy. Seed presented by E. Sgaravatti, Food and Agriculture Organization, Plant Production and Protection Division, Rome. Received October 28, 1977.

FAO 45.650. Produced by Orto Botanico dell Universita, Padova.

420842 to 420856.

From Union of Soviet Socialist Republics. Seed presented by Director, Hortus Botanicus Principalis Academiae Scientiarum, Mosqua. Received October 13, 1977.

420842. *AGROPYRON GRACILLIMUM* Nevski Poaceae.

2808.

420843. *ARGOSTIS TENUIFOLIA* Bieb. Poaceae.

2809.

420844. *ALOPECURUS PRATENSIS* L. Poaceae.

Meadow foxtail.

420845. *BROMUS JAPONICUS* Thunb. ex Murr. Poaceae.

Japanese brome.

420846. *FESTUCA GIGANTEA* (L.) Vill. Poaceae.

Great fescue.

2864.

420847. *ONOBRYCHIS SIBIRICA* Turcz. ex Bess. Fabaceae.

3093.

420848. *PHLEUM PHLEOIDES* (L.) Karst. Poaceae.

Timothy.

3096.

420849. *SANGUISORBA OFFICINALIS* L. Rosaceae.

2725.

420850. *STIPA CAPILLATA* L. Poaceae.

Feathergrass.

2949.

420851. *STIPA PULCHERRIMA* K. Koch.

2800.

420852. *STIPA SIBIRICA* (L.) Lam.

3111.

420842 to 420856—Continued

420853. *TRAGOPOGON DUBIUS* subsp. *CAMPESTRIS* (Besser) Hyaek A ster-
aceae.
2954.
420854. *TRIFOLIUM LUPINASTER* L. Fabaceae. Clover.
3112.
420855. *TRisetum SIBIRICUM* Rupr. Poaceae.
3113.
420856. *VICIA UNIJUGA* A. Br. Fabaceae. Vetch.
3116.

420857 to 420866.

From Australia. Seed presented by Plant Introduction Officer, Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra City. Received August 29, 1977.

420857. *CENTROSEMA PASCUORUM* Mart. ex Benth. Fabaceae.
C.P.I. 40063. Originally from Ceara, Brazil (RJW 5605).
420858. *CENTROSEMA PUBESCENS* Benth.
B22. CQ 1204.
420859. *MACROPTILIUM LATHYROIDES* (L.) Urb. Fabacea.
'Murray'.
420860. *MACROTYLOMA AXILLARE* (E. Mey.) Verdc. Fabaceae.
'Archer'.
420861. *MACROTYLOMA UNIFLORUM* (Lam.) Verdc. Fabaceae. Horse gram.
'Leichardt'.
420862. *PASPALUM COMMERSONII* Lam. Poaceae. Fringeleaf paspalum.
'Paltridge'.
- 420863 to 420865. *SETARIA ANCEPS* Stapf ex Massey Poaceae.
420863. 'Kazungula'.
420864. 'Nandi'.
420865. 'Narok'.
420866. *STYLOSANTHES GUIANENSIS* (Aubl.) Sw. Fabaceae. Brazilian lucerne.
'Oxley'.

420867 to 420903. *PANICUM COLORATUM* L. Poaceae.

Kleingrass.

From Australia. Seed presented by D. Eagles, Commonwealth Scientific and Industrial Research Organization, Division of Tropical Agronomy, The Cunningham Laboratory, St. Lucia, Queensland. Received October 31, 1977.

420867. 'Pollock'.
420868. CQ 519. 'Burnett'.
420869. CQ 559.
420870. CQ 728.
420871. P 645.
420872. P 1341

420867 to 420903—Continued

- 420873. SCS 162.
- 420874. SCS 386.
- 420875. SCS 388.
- 420876. SCS 1405.
- 420877. SCS 2010.
- 420878. C.P.I. 13372. Bambatsi.
- 420879. C.P.I. 14375 Kabulabula. South Africa.
- 420880. C.P.I. 163244. South Africa.
- 420881. C.P.I. 16325. 354/41. South Africa.
- 420882. C.P.I. 16326. South Africa.
- 420883. C.P.I. 16796. South Africa.
- 420884. C.P.I. 17076. South Africa.
- 420885. C.P.I. 17666. Kenya.
- 420886. C.P.I. 18747. Bambatsi. Rhodesia.
- 420887. C.P.I. 23132. United States.
- 420888. C.P.I. 26426. Grasslands Research Station, Kitale, Kenya
- 420889. C.P.I. 27627. 25/4/60. South Africa via Parodi, Buenos Aires, Argentina.
- 420890. C.P.I. 28274. Grasslands Research Station, Marandellas, South Rhodesia.
- 420891. C.P.I. 29306. DL/61/538, Du Toitskraal. Division of Crops and Pastures, Pretoria, South Africa.
- 420892. C.P.I. 29881. 90. Tandojam Agricultural College, Pakistan.
- 420893. C.P.I. 31987. Kenya Seed Company, Kitale, Kenya.
- 420894. C.P.I. 32389. K5945 Grasslands Research Station, Ministry of Agriculture, Kitale, Kenya, ex Marsabit C4-2.
- 420895. C.P.I. 33119. 184. East Africa.
- 420896. C.P.I. 49638. 'Chisambo Dambo'. G 162. Rhodesia.
- 420897. C.P.I. 49640. Bambatsi. G 656. Rhodesia.
- 420898. C.P.I. 49641. 'Villa Gouviera'. G 312. Rhodesia.
- 420899. C.P.I. 51120. DL/70/249. 'Rietvlei'. Rietvlie Experiment Farm, Pretoria.
- 420900. C.P.I. 59874. Kenya.
- 420901. C.P.I. 59876. South Africa.
- 420902. C.P.I. 59877. South Africa.
- 420903. C.P.I. 59878. South Africa.

420904 to 420932.

From Jordan. Seed collected by J. R. Harlan, Agronomy Department, University of Illinois, Urbana, Illinois. Numbered December 10, 1977.

- 420904. AVENA FATUA L. Poaceae. Wild oat.
16. King's Highway, 5 km south of Tafila.

420904 to 420932—Continued

420905. *AVENA* sp.

20. On road to Ai, 2.5 km from Post Office at Fragi village, Karak district.

420906. *AVENA* sp.

32. Woodland, King's Highway, 25 km south from mosque on main street in Tafila.

420907 and 420908. *CICER ARIETINUM* L. Fabaceae.

Chickpea.

420907. 9. Store keeper, Mazar village. Local name "hummus."

420908. 40. Store, Karak. Local name "hummus."

420909. *HORDEUM BULBOSUM* L. Poaceae.

Bulbous barley.

33. Rocky hill top, King's Highway, 25 km south from mosque on main street in Tafila.

420910 to 420917. *HORDEUM SPONTANEUM* K. Koch

420910. 1. Edge of Amman, at fork to Suweilih.

420911. 2. Five km north of Salt.

420912. 6. Rocky hillside, Irbid-Um Queis road near Hatn. Lavendar spikelets.

420913. 7. Three km east of Um Queis.

420914. 8. Adjlun ridge, north of Salt and west of Jarash.

420915. 15. Rocky hillside, King's Highway, 5 km south of Tafila.

420916. 34. Woodland, King's Highway, 25 km south from mosque on main street in Tafila.

420917. 39. Inside castle, Karak.

420918 to 420921. *HORDEUM VULGARE* L.

Barley.

420918. 17. Field, 5 km south of Tafila. Two rowed.

420919. 27. On road to Ai, 4 km from Post Office at Fragi, Karak district. Two rowed.

420920. 37. Field near Dana turnoff and King's Highway, 26.3 km south of Tafila. Two rowed.

420921. 42. Along trail, Petra from Bedouin.

420922. *HORDEUM* sp.

3. Five km north of Salt.

420923. *HORDEUM* sp.

36. Near Dana turnoff and King's Highway, 26.3 km south of Tafila.

420924 to 420930. *LENS CULINARIS* Medik. Fabaceae.

Lentil.

420924. 5. Five km north of Salt.

420925. 10. Store keeper, Mazar. Local name "Adas."

420926. 11. Store keeper, Mazar. Local name "Adas."

420927. 13. Store, Tafila.

420928. 19. Store, Besiera village, south of Tafila.

420929. 28. On road to Ai, 6 km from Post Office at Fragi, Karak district. Local name "Adas."

420930. 31. Field, top of mountain between Iraq and Maula, Karak District.

420904 to 420932—Continued

420931. *SORGHUM BICOLOR* (L.) Moench Poaceae.

4. Market, Salt. Used for forage.

420932. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

25. Field, on road to Ai, 4 km from Post Office at Fragi, Karak district.

420933 to 420936. *ORYZA SATIVA* L. Poaceae.

Rice.

From Spain. Seed presented by National Agricultural Research Institute (INIA), Madrid. Received December 1, 1977.

420933. 'Bahia'.

420934. 'Baliilla × Sollana' Plants 110 to 115 cm tall. Maturity 160 to 170 days. Resistant to *Pyricularia*.

420935. 'Girona'. Maturity 180 days. Resistant to insect damage in storage.

420936. 'Sequal'. Resistant to insect damage in storage.

420937. *MOLINIA CAERULEA* (L.) Moench Poaceae.

From France. Seed presented by Jardin Botanique de l'Universite et de la Villa, Besancon, Doubs. Received November 2, 1977.

Marnes ox Pordiennes, Tarcenay, Doubs. Elevation 510 m.

420938. *HORDEUM VULGARE* L. Poaceae.

Barley.

From Finland. Seed presented by H. Ahokas, Department of Genetics, University of Helsinki, P. Rautatiekatu, Helsinki. Received February 7, 1978.

'Mokusekko 3'. Rymla.

420939 to 420951.

From Jordan. Seed collected by J. R. Harlan, Agronomy Department, University of Illinois, Urbana, Illinois. Numbered December 10, 1977.

420939 to 420949. *TRITICUM DURUM* Desf. Poaceae.

Durum wheat.

420939. 12. Store keeper, Mazar village.

420940. 14. Store, Tafila.

420941. 18. Store, Besiera, south of Tafila.

420942. 21. On road to Ai, 2.5 km from Post Office at Fragi, Karak district.

420943. 22. On road to Ai, 2.5 km from Post Office at Fragi, Karak district.

420944. 23. On road to Ai, 2.5 km from Post Office at Fragi, Karak District.

420945. 24. On road to Ai, 4 km from Post Office at Fragi, Karak district.

420946. 26. On road to Ai, 4 km from Post Office at Fragi, Karak District.

420947. 30. On road to Ai, 6.5 km from Post Office at Fragi, Karak district.

420948. 35. Near Dana turnoff and King's Highway, 26.3 km south of mosque on main street in Tafila.

420939 to 420951—Continued

420939 to 420949—Continued

420949. 38. Field, 7 km north of mosque on main street in Tafla. Hexaploid. Local name "Kennedy." Hexaploid.

420950. *VICIA ERVILIA* (L.) Willd. Fabaceae. Bitter vetch.

29. On road to Ai, 6 km from Post Office at Fragi, Karak district. Local name "kersene".

420951. *ZEA MAYS* L. Poaceae. Corn.

41. Store, Karak. Popcorn.

420952 to 420966. *ORYZA SATIVA* L. Poaceae. Rice.

From Colombia. Seed presented by Centro Internacional de Agricultura Tropical, Cali. Received December 14, 1977.

420952. Bamoa A75.

420953. Bg 90-2.

420954. Camponi SML.

420955. Ceysuoni SML.

420956. CICA 6.

420957. CICA 7.

420958. CICA 9.

420959. CR 1118.

420960. INIAP 7.

420961. INTI.

420962. IR 1055 (N).

420963. Linea 4444.

420964. Macuspana 75.

420965. TIKAL 2.

420966. 77916.

420967 to 420994. *ORYZA SATIVA* L. Poaceae. Rice.

From Philippines. Seed presented by International Rice Research Institute, Manila. Received November 30, 1977.

420967. IRRI 799. Pepping.

420968. IRRI 3249. Col. 10694.

420969. IRRI 5059. Norin Mochi SL 44.

420970. IRRI 5061. Mochi Gomi.

420971. IRRI 5432. RD Scented.

420972. IRRI 6722. Pratao.

420973. IRRI 7362. 11582.

420974. IRRI 7399. Norin 33.

420975. IRRI 7478. Szaniszo 1.

420976. IRRI 7702. Kabubala Vee.

420977. IRRI 8801. UCP 188.

420978. IRRI 8802. UCP 195.

420979. IRRI 8984. Seenheti.

420967 to 420994—Continued

- 420980. IRR1 9242. Karang Serang.
- 420981. IRR1 9402. Haya Norin.
- 420982. IRR1 9412. Szaniszlo 1.
- 420983. IRR1 9549. 1-1-11-3-1.
- 420984. IRR1 10392. Clustered Spikelet.
- 420985. IRR1 10831. Darahal Paddy, Medicinal Variety.
- 420986. IRR1 10873. Habiganj Boro 6.
- 420987. IRR1 11749. Habiganj Deep Water 1.
- 420988. IRR1 11750. Habiganj Deep Water 2.
- 420989. IRR1 11751. Habiganj Deep Water 8.
- 420990. IRR1 11968. Yakadawee.
- 420991. IRR1 12205. ARC 6076.
- 420992. IRR1 15311. Yakadawee.
- 420993. IRR1 15375. Yakadawee.
- 420994. IRR1 26410. Pala Bhir.

420995. PYRUS CALLERYANA Decne. Rosaceae. Callery pear.

From United States. Selected in 1969 by W. L. Ackerman from a population of 2,500 naturalized seedlings growing in the vicinity of the U. S. Plant Introduction Station, Glenn Dale, Maryland. Original tree is thought to be an open-pollinated seedling of 'Bradford'. This Columnar cultivar is named in honor of William E. Whitehouse, Senior Horticulturist (retired), U. S. Department of Agriculture, Beltsville, Maryland. Numbered March 24, 1978.

'Whitehouse'. Develops strong central leader with slender, upward arching branches, producing a very narrow columnar tree form. Leaves ovate-oblong with acute tips and undulate margins. Glossy green through summer months, dark red-purple in late autumn. Flowers five petaled, off white, blossoming before leaf emergence in most years and about one week after 'Bradford'. Fruits small (1 cm in diameter), round, russet, and sparsely set unless cross-pollinated with other clones. Proven resistant to fire blight, *Erwinia amylovora*, through natural infection and by field inoculation tests.

420996. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

From United States. Seed presented by M. L. Robbins, Department of Horticulture, Clemson University, Charleston, South Carolina. Numbered February 17, 1978.

'Hickman'. Seeds dark, pods rough and tinged with purple. Resistant to root rot.

420997. SOLANUM ROSTRATUM Dunal Solanaceae. Buffalobur.

From The Netherlands. Seed presented by Hortus Botanicus, Toernooiveld, Nijmegen. Received December 29, 1977.

1800.

420998 and 420999. VITIS VINIFERA L. Vitaceae.**European grape.**

From France. Cuttings presented February 1976 by M. C. Valat, Association Nationale Technique Pour l'Amelioration de la Viticulture, Domaine de l'Espiguette. Numbered January 25, 1978.

420998. 'Pinot blanc' clone 54.

420999. 'Pinot blanc' clone 55.

421000 to 421020.

From United States. Plant material held by Soil Conservation Services, Plant Materials Center, Lockeford, California. Numbered November 29, 1977.

421000. AGROPYRON sp. Poaceae.

D. R. Dewey, Crops Research Laboratory, Utah State University, Logan, Utah. *A. cristatum* × *desertorum*.

421001. AGROPYRON sp.

D. R. Dewey, Crops Research Laboratory, Utah State University, Logan, Utah. *A. cristatum* × *desertorum*.

421002. AGROPYRON sp.

D. R. Dewey, Crops Research Laboratory, Utah State University, Logan, Utah. *A. cristatum* × *desertorum*.

421003. AGROPYRON sp.

D. R. Dewey, Crops Research Laboratory, Utah State University, Logan, Utah. *A. cristatum* × *desertorum*.

421004. AGROPYRON sp.

D. R. Dewey, Crops Research Laboratory, Utah State University, Logan, Utah. *A. cristatum* × *desertorum*.

421005. AGROPYRON sp.

D. R. Dewey, Crops Research Laboratory, Utah State University, Logan, Utah. *A. cristatum* × *desertorum*.

421006. AGROPYRON sp.

D. R. Dewey, Crops Research Laboratory, Utah State University, Logan, Utah. *A. cristatum* × *desertorum*.

421007. AGROPYRON sp.

D. R. Dewey, Crops Research Laboratory, Utah State University, Logan, Utah. *A. cristatum* × *desertorum*.

421008. AGROPYRON sp.

D. R. Dewey, Crops Research Laboratory, Utah State University, Logan, Utah. *A. cristatum* × *desertorum*.

421009. AGROSTIS sp. Poaceae.

Nevada County, California. Elevation 550 m.

421010 to 421012. DACTYLIS GLOMERATA L. Poaceae.

Orchardgrass.

421010. 'Berber'. University of California, Davis, California.

421011. 'Kasbah'. University of California, Davis, California.

421012. 'Palestine'. Crop Improvement Association, Davis, California.

421013. ERIOGONUM UMBELLATUM Torr. Polygonaceae.

Placer County, California. Elevation 1,880 m.

421000 to 421020—Continued

421014. *ERIOGONUM* sp.
Placer County, California. Elevation 1,970 m.
421015. *FESTUCA PRATENSIS* Huds. Poaceae. Meadow fescue.
Placer County, California. Elevation 1,900 m.
421016. *HEDYSARUM CORONARIUM* L. Fabaceae.
San Diego County, California.
421017. *HILARIA RIGIDA* (Thurb.) Scribn. Poaceae.
Imperial County, California.
421018. *LOLIUM* sp. Poaceae.
'Kenny'. Lexington, Kentucky.
421019. *PANICUM URVILLIANUM* Kenth Poaceae. Panicgrass.
Imperial County, California.
421020. *VULPIA MYUROS* var. *HIRSUTA* Hack. Poaceae. Foxtail fescue.
'Zorro'. San Joaquin County, California. Columbia fine sandy loam. Elevation 13 m. Released 1977.

421021 to 421030.

From United States. Plant material held by Soil Conservation Service, Plant Materials Center, Pullman, Washington. Numbered November 29, 1977.

421021. *AGROPYRON RIPARIUM* Scrib & Sm. Poaceae.
Streambank wheatgrass.
'Sodar'. Grant County, Oregon. Elevation 909 m. Released 1954.
421022. *AGROPYRON SPICATUM* f. *INERME* (Scribn. & Sm.) Beetle
Beardless wheatgrass.
'Whitmar'. Whitman County, Washington. Palouse silt-loam. Elevation. 848 m. Released 1946.
421023. *AGROPYRON TRACHYCAULUM* (Link) Malte ex H. F. Lewis
Slender wheatgrass.
'Primar'. Collected by Forest Service near Beebe, Montana. Released 1946.
421024. *BROMUS MARGINATUS* Nees ex Steud. Poaceae. Mountain brome.
'Bromar'. Washington State College campus, Pullman, Washington. Released 1946.
421025. *FESTUCA LONGIFOLIA* Thuill. Poaceae. Hard fescue.
'Durar'. East Oregon Branch Experiment Station, Union County, Oregon. Originally from Europe. Released 1949.
421026. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.
F. C. 20153. 'Cascade'. Originally received from Vilmorin-Andrieux Company, Paris, France. Released 1954.
421027. *POA AMPLA* Merr. Poaceae. Big bluegrass.
'Sherman'. Sherman County, Oregon. Released 1945.
421028. *POA BULBOSA* L. Bulbous bluegrass.
Whitman County, Washington. Released 1956 under P-4874.
- 421029 and 421030. *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
421029. 'Cougar'. Originally from Denmark. Released 1965.

421021 to 421030—Continued

421030. 'Newport'. Coastal bluffs, Lincoln County, Oregon. Released 1958.

421031 to 421082.

From United States. Plant material held by Soil Conservation Service, Plant Materials Center, Tucson, Arizona. Numbered November 29, 1977.

421031. *ATRIPLEX HYMENLYTRA* (Torr.) S. Wats. Chenopodiaceae.

Gila River at Antelope Hill, Yuma County, Arizona. Elevation 90 m.

421032 to 421035. *BOTHRIOCHLOA BARBINODIS* (Lag.) Herter Poaceae.

Cane bluestem.

421032. Bonita, Graham County, Arizona. Guest-Pima-Grabe association. Elevation 1,359 m.

421033. Gila and Salt River Meridian, Ruby, Santa Cruz County, Arizona. Lamshire-Chirchahana-Graham association. Elevation 1,290 m.

421034. Gila and Salt River Meridian, Douglas, Cochise County, Arizona. Lezuna-Faraway association. Elevation 1,350 m.

421035. Oracle, Yuma County, Arizona. Elevation 1,354 m.

421036. *BOTHRIOCHLOA ISCHAEMUM* (L.) Keng

Yellow bluestem.

Buckhead Mesa, Gila County, Arizona. Elevation 1,800 m.

421037 and 421038. *BRICKELLIA ATRACTYLOIDES* A. Gray Asteraceae.

421037. East of Ajo 9.8 km, Pima County, Arizona. Gunsight-Rillito-Harqua association. Elevation 540 m.

421038. Hyder, Yuma County, Arizona. Lazeen-Coolidge association. Elevation 161 m.

421039. *CASSIA CORYMBOSA* Lam. Fabaceae.

Flowery senna.

University of Arizona campus, Navajo County, Arizona. Elevation 717 m.

421040. *CASSIA LINDHEIMERIANA* Scheele

On old mine tailings, Bisbee, Cochise County, Arizona. Elevation 1,590 m.

421041. *FALLUGIA PARADOXA* (D. Don) Endl. Rosaceae.

Prescott, Yavapai County, Arizona. Elevation 1,604 m.

421042 and 421043. *LEPTOCHLOA DUBIA* (H.B.K.) Nees Poaceae.

Green sprangletop.

421042. Santa Rita Mountain Highway, Pima County, Arizona. Elevation 900 m.

421043. Southeast of Oracle, Pinal County, Arizona. Elevation 1,200 m.

421044 to 421046. *LIPPIA WRIGHTII* A. Gray Verbenaceae.

421044. Speedway and Anklam Road, Tucson, Arizona. Lampshire-Cellar association. Elevation 900 m.

421045. Pantano Wash, Tucson, Arizona. Rillino-Latene-Cave association. Elevation 1,050 m.

421046. Source unknown.

421047. *PAROSELA GREGGII* (A. Gray) A. A. Heller Fabaceae.

Mount Lemon, Navajo County, Arizona. Elevation 1,200 m.

421031 to 421082—Continued

421048. *SCHIZACHYRIUM SCOPARIUM* (Michx.) Nash Poaceae.
Little bluestem.
Fort Laramie, Wyoming. Elevation 1,350 m.
- 421049 to 421060. *SETARIA MACROSTACHYA* H.B.K. Poaceae.
Plains bristlegrass.
421049. Willcox, Cochise County, Arizona. Gothard-Crot-Stewart association. Elevation 1,248 m.
421050. U.S. Highway 89 and Montezuma Well, Yavapai County, Arizona. Retriever-Courthouse association. Elevation 960 m.
421051. U.S. Highway 60 and Salt River, Gila County, Arizona. Jacks-Dye-Rock outcrop association. Elevation 1,082 m.
421052. Bowie Cochise County, Arizona. Mohave association. Elevation 1,128 m.
421053. Northeast of Oracle Junction, Willow Springs Ranch, Pinal County, Arizona. Elevation 1,440 m.
421054. On U.S. Highway 666, 16.1 km north of Interstate 10, Cochise County, Arizona. Hathaway-Nickel association. Elevation 900 m.
421055. Klondyke Mill, Mohave County, Arizona. Mountain-Rock outcrop association. Elevation 150 m.
421056. Sasabe, Pima County, Arizona. Elevation 1,068 m.
421057. Sierra Vista, Cochise County, Arizona. Whitehouse-Tubac-Forest association. Elevation 1,380 m.
421058. Odessa Ector County, Texas. Elevation 600 m.
421059. Douglas, Cochise County, Arizona. Whitehouse-Tubac-Forest association. Elevation 1,194 m.
421060. Salt and Gila River Meridian, Klondyke, Graham County, Arizona. Elevation 1,200 m.
- 421061 and 421062. *SPHAERALCEA AMBIGUA* A. Gray Malvaceae.
421061. Agua Caliente, Yuma County, Arizona. Laveen-Collidge association. Elevation 180 m.
421062. Nye County, Nevada. Elevation 780 m.
421063. *SPHAERALCEA ANGUSTIFOLIA* (Cav.) G. Don
Bisbee, Cochise County, Arizona. Tortugas association. Elevation 1,590 m.
- 421064 to 421066. *SPHAERALCEA EMORYI* Torr.
421064. Red Rock, Pinal County, Arizona. Thermic arid and semiarid. Elevation 540 m.
421065. East of Ajo, Navajo County, Arizona. Gunsight-Rillito-Horgua association. Elevation 810 m.
421066. East 98.2 km of Ajo, Navajo County, Arizona. Hyperthermic dry. Elevation 660 m.
- 421067 to 421082. *SPOROBOLUS AIROIDES* (Torr.) Torr. Poaceae.
Alkali sacaton.
421067. Carrizozo, New Mexico. Elevation 1,350 m.
421068. Bourbon Ranch, Silver Creek, Navajo County, Arizona. Elevation 1,800 m.

421031 to 421082—Continued

421067 to 421082—Continued

421069. Gila and Salt River Meridian, Lawson and Martin Ranches, Willcot, Cochise County, Arizona. Stewart association. Elevation 1,200 m.
421070. Trinity Bomb Range, Alamogordo, Otero County, New Mexico. Elevation 1,333 m.
421071. Navajo Route 1, 19.5 km west of U.S. Highway 666, San Juan County, New Mexico. Elevation 1,725 m.
421072. Gila and Salt River Meridian, Flagstaff, Coconino County, Arizona. Winona-Boysag association. Elevation 2,040 m.
421073. Turkey Creek flood plain, 3.2 km south of Sulphur Hill between U.S. Highway 666 and Kansas Settlement, Wilcox, Cochise County, Arizona. Gothard-Crot-Stewart association. Elevation 1,260 m.
421074. St. Johns, Apache County, Arizona. Elevation 1,718 m.
421075. Petrified Forest, Apache County, Arizona. Elevation 1,680 m.
421076. Winslow, Navajo County, Arizona. Elevation 1,455 m.
421077. Winslow, Navajo County, Arizona. Elevation 1,455 m.
421078. Gray Mountain, Coconino County, Arizona. Sizer-Rudd-Bandera association. Elevation 2,040 m.
421079. Paulden, Yavapai County, Arizona. Abra-Lynx association. Elevation 1,341 m.
421080. Rimmy Jim's, Coconino County, Arizona. Elevation 1,800 m.
421081. Snowflake, Navajo County, Arizona. Elevation 1,680 m.
421082. Twin Bridges Meadow, Virginia City, Nevada. Elevation 1,380 m.

421083 to 421129.

From United States. Plant material held by Soil Conservation Service, Plant Materials Center, Knox City, Texas. Numbered November 20, 1977.

- 421083 and 421084. *ACACIA ANGUSTISSIMA* (Mill.) Kuntze Fabaceae.
Prairie acacia.
421083. Washita County, Oklahoma. Carey silt loam. Elevation 424 m.
421084. Washita County, Oklahoma. Quinlan-Obaro complex. Elevation 473 m.
421085. *ANDROSTEPHIUM COERULEUM* (Scheele) Greene Amaryllidaceae.
Caldwell County, Texas. On endangered species list for Texas.
421086. *BOUTELOUA CURTIPENDULA* (Michx.) Torr. Poaceae.
Side-oats grama.
Tom Green County, Texas. Angelo clay loam. Elevation 560 m. Plant robust. Seed red.
421087. *CERCIS CANADENSIS* var. *TEXENSIS* (S. Wats.) Hopkins Fabaceae.
Palo Pinto County, Texas. Elevation 364 m.
- 421088 and 421089. *CUPRESSUS ARIZONICA* Greene Cupressaceae.
Arizona cypress.
421088. Andrews County, Texas. Faskin fine sandy loam. Elevation 970 m.
421089. Andrews County, Texas. Triomas fine sand. Elevation 970 m.

421083 to 421129—Continued

421090. *DALEA AUREA* Nutt. Fabaceae.

Kiowa County, Oklahoma. Growing on highly eroded, shallow soil of the Vernon-Rock outcrop complex. Elevation 406 m.

421091 to 421098. *DESMANTHUS ILLINOENSIS* (Michx.) MacM. Fabaceae.

421091. Oklahoma. Plant vigorous. Growing in a relic area. Yahola fine sandy loam. Elevation 473 m.

421092. Canadian County, Oklahoma Port. Elevation 368 m.

421093. Kiowa County, Oklahoma. Growing in a relic area. Brico complex. Elevation 455 m.

421094. Caddo County, Oklahoma. Reinach silt loam. Elevation 362 m.

421095. Tulsa County, Oklahoma. Dennis silt loam. Elevation 197 m.

421096. Tulsa County, Oklahoma. Dennis-Urban land complex. Elevation 208 m.

421097. Woods County, Oklahoma. Pratt loamy fine sand. Elevation 400 m.

421098. Pawnee County, Oklahoma. Gracemore. Elevation 412 m.

421099. *DISTICHLIS STRICTA* (Torr.) Rydb. Poaceae. Desert saltgrass.

Baylor County, Texas. Growing on a salt seep. Tobosa clay. Elevation 405 m.

421100 to 421110. *ELYMUS CANADENSIS* L. Poaceae. Canada wildrye.

421100. Falls County, Texas. Crockett fine sandy loam. Elevation 121 m.

421101. Falls County, Texas. Growing in shade. Axtell fine sandy loam. Elevation 121 m.

421102. Falls County, Texas. Burleson clay. Elevation 158 m.

421103. Callahan County, Texas. Growing in dry, infertile, eroded soil. Elevation 515 m.

421104. Canadian County, Oklahoma. Norge silt loam. Elevation 421 m.

421105. Kiowa County, Oklahoma. Brico complex. Growing in relic area. Elevation 455 m.

421106. Tulsa County, Oklahoma. Dennis silt loam. Elevation 197 m.

421107. Tulsa County, Oklahoma. Coweta-Eram-Urban land complex. Elevation 206 m.

421108. Tulsa County, Oklahoma. Okemah-Parsons-Caryton complex. Elevation 194 m.

421109. Tulsa County, Oklahoma. Coweta-Eram-Urban land complex. Elevation 236 m.

421110. Tulsa County, Oklahoma. Dennis-Radley complex. Elevation 197 m.

421111 and 421112. *ELYMUS VIRGINICUS* L. Virginia wildrye.

421111. Tulsa County, Oklahoma. Coweta-Eram-Urban land complex. Elevation 206 m.

421083 to 421129—Continued

421111 and 421112—Continued

421112. Tulsa County, Oklahoma. Growing on oil and salt water damaged area. Dennis-Radley complex. Elevation 197 m.
421113. *EUONYMUS AMERICANA* L. Celastraceae. **Strawberry-bush.**
Anderson County, Texas. Growing in shade. Tramick. Elevation 1,155 m.
421114. *HOFFMANSEGGIA DRUMMONDII* Torr. & Gray Fabaceae.
Greer County, Oklahoma. Badlands. Elevation 455 m.
421115. *LESPEDEZA STUEVEI* Nutt. Fabaceae.
Greer County, Oklahoma. Vernon. Elevation 503 m.
421116. *MELICA NITENS* (Scribn.) Nutt. ex Piper Poaceae.
Bandera County, Texas. Growing in extreme shade. Frio silty clay. Elevation 406 m.
421117. *PETALOSTEMUM PURPUREUM* (Vent.) Rydb. Fabaceae.
Hamilton County, Texas. Growing in shallow soil. Purves-Eckrant association. Elevation 376 m.
421118. *PETALOSTEMUM* sp. Fabaceae.
Woods County, Oklahoma. Vernon fine sandy loam. Elevation 527 m.
- 421119 and 421120. *PHALARIS STENOPTERA* Hack. Poaceae. **Harding grass.**
421119. Parker County, Texas. Duffan fine sandy loam. Elevation 227 m.
421120. Comanche County, Texas. Purves clay. Elevation 409 m.
421121. *PRUNUS CAROLINIANA* Ait. Rosaceae. **Caroline cherry-laurel.**
Knox County, Texas.
421122. *PRUNUS* sp.
Parker County, Texas. Bonti and Truce. Elevation 333 m.
421123. *PSORALEA* sp. Fabaceae.
Woods County, Oklahoma. Albion soil series. Elevation 409 m.
421124. *QUERCUS SHUMARDII* Buckl. Fagaceae.
Payne County, Oklahoma. Elevation 277 m.
421125. *SETARIA GENICULATA* (Lam.) Beauv. Poaceae. **Knotroot foxtail.**
Van Zandt County, Texas. Growing on wet, saline soil. Elevation 110 m.
421126. *SETARIA SCHEELI* (Steud.) Hitchc.
Powell Ranch near Fort McKavett, Scheicher County, Texas. Elevation 730 m.
421127. *SPARTINA* sp. Poaceae.
Van Zandt County, Texas. Growing on wet, saline soil. Elevation 110 m.
421128. *TRIFOLIUM REPENS* L. Fabaceae. **White clover.**
Hamilton County, Texas. Purves-Eckrant Association. Elevation 376 m.

421083 to 421129—Continued

421129. *TRIPSACUM DACTYLOIDES* (L.) L. Poaceae. Eastern gamagrass.
Harris County, Texas. Elevation 3 m.

421130 to 421272.

From United States. Plant material held by Soil Conservation Service, Plant Materials Center, Cape May, New Jersey. Numbered November 30, 1977.

421130. *AMMOPHILA BREVILIGULATA* Fern. Poaceae. European beachgrass.
'Cape'. Barnstable County, Massachusetts. Plant very vigorous. Released 1970.

421131. *AMPHICARPUM PURSHII* Kunth. Poaceae.

South side of U.S. Route 70, 4 km west of Lakehurst, Ocean County, New Jersey. Lakewood. Elevation 6 m.

421132. *ELAEAGNUS UMBELLATA* Thunb. Elaeagnaceae.

Tyson Road, Newton Square, Pennsylvania.

421133. *ELYMUS GIGANTEUS* Vahl Poaceae. Mammoth wildrye.

Originally from Westover-Enlow 1934 collection. Caucasus Mountains, Union of Soviet Socialist Republics.

421134. *ELYMUS VANCOUVERENSIS* Vasey

Whatley plots, University of Massachusetts, South Deerfield, Massachusetts.

421135. *LONICERA MAACKII* (Rupr.) Herd. Caprifoliaceae.

Amur honeysuckle.

'Rem-Red'. Remington Farms, Kent County, Maryland. Released 1970.

421136. *PANICUM AMARULUM* Hitchc. & Chase Poaceae.

Back bay refuge, Princess Ann County, Virginia, through National Plant Materials Center, Beltsville, Maryland.

421137. *PANICUM AMARUM* Ell.

On south side of access road, 0.8 km west of Delaware FEP-74, Sussex County, Delaware. Sandy.

421138. *PANICUM VIRGATUM* L.

Switchgrass.

North Carolina via National Plant Materials Center, Beltsville, Maryland.

- 421139 to 421236. *SPARTINA ALTERNIFLORA* Loisel. Poaceae.

Smooth cordgrass.

421139. Bank of Rappahannock River, 1.6 km north of Tappahannock, at end of lane of marina, north of school building, Essex County, Virginia. Sandy soil. Elevation 1 m.

421140. End of State Road 667, an extension of State Road 684 which attaches to Route 17 south of Tappahannock, at center crosswalk 10.6 km from end of Road 667 downstream, Essex County, Virginia. Old, marsh soil. Elevation 1 m.

421130 to 421272—Continued**421139 to 421236—Continued**

421141. Urfana Fish Processing Plant (near public wharf), Middlesex County, Virginia. Pure sand soil. Excellent vigor, large culms. Elevation 1 m.
421142. On edge of Piankatank River, northeast corner of intersection of Route 3 and Piankatank River, Middlesex County, Virginia. Pure sand soil. Elevation 1 m. Strong rhizome growth.
421143. Oyster shelling plant at end of County Road 619 and intersection of Road 660, Matthews County, Virginia. Heavy organic, marshy soil. Elevation 1 m.
421144. Residence of Robert Jones, Schley, Route 623, Gloucester County, Virginia. Plants from marsh near house. Elevation 1 m. Vigorous with excellent rhizome spread.
421145. Ware Point, Gloucester County, Virginia. Sandy beach soil. Elevation 1 m. Plant has outstanding vigor.
421146. South of Achilles, about 10.6 km east of York Seafood Product Company, Gloucester County, Virginia. Receding marsh soil. Elevation 1 m.
421147. Up river from Yorktown Bridge on south side of river, 3.2 km from eastern end of Colonial Parkway, York County, Virginia. Marsh soil. Elevation 1 m.
421148. Lynnhaven Bay, west side near inlet on north shore, Virginia Beach, York County, Virginia. Pure sand soil. Elevation 1 m.
421149. Fisherman Island wildlife refuge, east side of Route 13, Northampton County, Virginia. Elevation 1 m.
421150. South side of inlet, end of County Road 644 which connects to Route 13 via County Road 624, Northampton County, Virginia. Marsh soil. Elevation 1 m.
421151. End of County Road 644 which connects to Route 13 via County Road 624, Northampton County, Virginia. Sandy soil. Elevation 1 m.
421152. Marsh, Vauchuse property, Hughes Creek, Northampton County, Virginia. Elevation 1 m. Plants vigorous.
421153. Holland property, along Ware Creek, Northampton County, Virginia. Elevation 1 m.
421154. West end of County Road 611 on Occohannock Creek, Northampton County, Virginia. Under 20.3 cm water mixed with saltmeadow cordgrass. Elevation 1 m.
421155. Receding marsh, Finney Wharf, Opancock Creek, Accomack County, Virginia. Elevation 1 m.
421156. West of Bloxon, Accomack County, Virginia. Growing in gravel, exposed directly to Chesapeake Bay. Elevation 1 m.
421157. Receding marsh, Manakin River near outlet into bay, Somerset County, Maryland. Elevation 1 m.
421158. Near inlet, Nanticoke River, Nanticoke, Wicomico County, Maryland. Sandy soil. Elevation 1 m.

421130 to 421272—Continued**421139 to 421236—Continued**

421159. Fifteen and two-tenths m up inlet from P.I. 421158. Sandy soil. Elevation 1 m. Culms large.
421160. Beach area, Sandy Hill Campground, Nanticoke River, Wicomico County, Maryland. Elevation 1 m.
421161. Hills Point, Dorchester County, Maryland. Elevation 1 m. Strong rhizome growth.
421162. Inland side of sand pit, Hills Point, Dorchester County, Maryland. Pure sand soil. Elevation 1 m.
421163. Southeast corner of intersection of Route 33 and Newcome Creek, Talbot County, Maryland. Elevation 1 m.
421164. Small bay east of St. Michaels, north of Route 33, Talbot County, Maryland. Elevation 1 m.
421165. J. R. Collins property, Spaniard's Point, Queen Annes County, Maryland. Growing in an old marsh. Elevation 1 m.
421166. Camp Decometh, Chester River, Centerville, Queen Annes County, Maryland. Elevation 1 m.
421167. East side of Chester River across from Chestertown, Queen Annes County, Maryland. Elevation 1 m.
421168. South of Indian River Inlet 1.6 km, Sussex County, Delaware. Elevation 1 m.
421169. Sandy beach area, south of Bethany Beach, Sussex County, Delaware. Elevation 1 m.
421170. Terrebonne County, Louisiana. Mhoon-Sharkey. Elevation 1 m.
421171. Small marsh, 3.2 km inland from coast near Stamford Point, Stamford, Fairfield County, Connecticut. Elevation 1 m.
421172. Edge of tidal marsh directly in front of Shakespearian Theater, 1.6 km behind Elm Street, Stratford, Connecticut. Elevation 1 m.
421173. Marsh, close to West River entrance into Long Island Sound, Guilford, New Haven County, Connecticut. Elevation 1 m.
421174. East side of Connecticut river where it enters Long Island Sound just north of railroad bridge, New London County, Connecticut. Elevation 1 m.
421175. Edge of marsh at end of Main Street, Mattapoisett, Plymouth County, Massachusetts. Elevation 1 m.
421176. Manmade beach, west of Monument Beach, Buzzard Bay, Barnstable County, Massachusetts. Excellent vigor of root system. Elevation 1 m.
421177. Inland bay, West Felmouth, Barnstable County, Massachusetts. Sandy soil. Elevation 1 m.
421178. Near mouth of Bass River, South Yarmouth, Barnstable County, Massachusetts. Sandy soil. Elevation 1 m.
421179. Dennis, Cape Cod Bay, Barnstable County, Massachusetts. Sandy soil. Elevation 1 m.
421180. Large tidal marsh, end of Harbor Street, Sandwich, Barnstable County, Massachusetts. Sandy soil. Elevation 1 m.

421130 to 421272—Continued**421139 to 421236—Continued**

421181. Outmarsh of tidal stream, 1.6 km south of Plymouth Rock in Plymouth Harbor, Plymouth County, Massachusetts. Sand and silt soil. Elevation 1 m.
421182. Outmarsh of tidal stream, 1.6 km south of Plymouth Rock in Plymouth Harbor, Plymouth County, Massachusetts. Very coarse sandy soil. Elevation 1 m.
421183. Rocky, sandy beach on edge of Orient Bay, Orient, Suffolk County, New York. Elevation 1 m.
421184. On stream leading from Orient Bay to inland marsh, Suffolk County, New York. Coarse, sandy soil. Elevation 1 m.
421185. Edge of Great Peronic Bay, Suffolk County, New York. Sandy soil. Elevation 1 m. Plants vigorous.
421186. Bayside of West Hampton Beach, Moricher Bay near Quogue, Suffolk County, New York. Elevation 1 m. Vigorous.
421187. Robert Moser Street Park, north shore of Great South Bay, Suffolk County, New York. Sandy soil. Elevation 1 m. Vigorous, rapidly spreading.
421188. Captree Street Park, north shore of Great South Bay, Suffolk County, New York. Sandy soil. Elevation 1 m.
421189. Grogo State Park, adjacent to Great South Bay, Suffolk County, New York. Elevation 1 m.
421190. West Gilgo Beach, South Oyster Bay, Suffolk County, New York. Sandy soil. Elevation 1 m.
421191. East end of Jones Beach, bay side on Zack's Bay, Nassau County, New York. Sandy soil. Elevation 1 m. Excellent vigor.
421192. Base of Meadow Brooks Bridge, Meadowbrook State Parkway, Nassau County, New York. Sandy soil. Elevation 1 m. Very vigorous, rapidly spreading.
421193. Northeast corner of Doughty Boulevard and Rockaway Inlet intersection, Nassau County, New York. Elevation 1 m.
421194. Community beach, 1.6 km east of Sheephead Bay, adjacent to Belt Parkway, Brooklyn, Nassau County, New York. Elevation 1 m.
421195. Northeast corner, intersection of South 70 and Manasquan River, near Point Pleasant. Monmouth County, New Jersey. Elevation 1 m.
421196. Dover Township Recreation and Beach area, Ocean County, New Jersey. Heavy, organic soil. Elevation 1 m.
421197. Marsh, Dover Township Recreation and Beach area, Ocean County, New Jersey. Heavy, organic soil. Elevation 1 m.
421198. Border of Manahawkin Bay, south of causeway of NJ-72 leading into Ship Bottom, Ocean County, New Jersey. Sandy soil. Elevation 1 m. Plants vigorous, rapidly spreading.
421199. Old marsh on causeway to Ocean City, Route 52 south side on edge of Great Egg Harbor, Cape May County, New Jersey. Pure sandy soil. Elevation 1 m. Vigorous.

421130 to 421272—Continued**421139 to 421236—Continued**

421200. North end of Ocean City, Longport Bridge on bay side at entrance to Great Egg Harbor, Ocean County, New Jersey. Sandy soil. Elevation 1 m.
421201. Base of bridge on causeway from Margate to Northfield (Mill Road), Atlantic County, New Jersey. Coarse, sandy soil. Elevation 1 m.
421202. North side of road along Great Thorofare Channel, causeway from Atlantic City to Pleasantville (Routes 322 and 40, Atlantic County, New Jersey. Elevation 1 m.
421203. North side of road, east end of Avalon Boulevard just before Avalon, Cape May County, New Jersey. Elevation 1 m. Plants very vigorous.
421204. Marsh, north side of Stone Harbor Boulevard, Scotch Bonnet, Cape May County, New Jersey. Elevation 1 m.
421205. Village of Hatteras, Sound side near Durant Point, Dare County, North Carolina. Elevation 1 m.
421206. Bogue Banks, Macanaw, Carteret County, North Carolina. Elevation 1 m.
421207. Bogue Banks, Emerald Isle, Carteret County, North Carolina. Elevation 1 m.
421208. Left side of Oregon Inlet bridge on Outer Banks, Dare County, North Carolina. Elevation () m.
421209. Plants growing 50.2 m up a small stream at a point where salt marsh is almost eroded away and invading fresh marsh, Richmond County, Virginia. Elevation 1 m.
421210. Plants growing where salt marsh is almost eroded away and invading fresh marsh, 91.4 m back towards bridge, Richmond County, Virginia. Elevation 1 m.
421211. Mud flat next to dock on left side of Payne's Crab House, Middlesex County, Virginia. Elevation 1 m.
421212. Sandy shoreline in small bay looking directly towards Chesapeake Bay in front of Walden's Marina, Deltonville, Middlesex County, Virginia. Elevation 1 m.
421213. End of Eighth Avenue, West Onslow Beach, Onslow County, North Carolina. Elevation 1 m.
421214. Mainland side of intracoastal waterway by Seaside Station Mobile Home Community, Highway 904, Seaside, Brunswick County, North Carolina. Elevation 1 m.
421215. Canal bank, Debidue Beach, Clay County, South Carolina. Elevation 1 m.
421216. Moore's Landing, Cape Romain National Wildlife Refuge, Charleston County, South Carolina. Elevation 1 m.
421217. Mainland side of bridge to Sullivan Island, Charleston County, South Carolina. Elevation 1 m.
421218. Cherry Point boat landing, Wadmalaw Island, Charleston County, South Carolina. Elevation 1 m.

421130 to 421272—Continued

421139 to 421236—Continued

421219. Lafouche County, Louisiana. Elevation 1 m.
421220. End of Virginia 644 on west side of Rappahannock River, 6.4 km northwest of Tappahannock, Essex County, Virginia. Elevation 2 m.
421221. South side of Tappahannock Bridge over Rappahannock River east shore, Richmond County, Virginia. Clay base. Elevation 1 m. Vigorous rhizomes.
421222. Eastern shore upstream from Tappahannock Bridge on the Rappahannock River, Richmond County, Virginia. Elevation 1 m.
421223. W. D. Gray property, east side of Rappahannock River below mouth of Totuskey Creek, Richmond County, Virginia. Elevation 1 m. Strong rhizomes.
421224. Purchased from Environmental Concern, Inc., St. Michaels, Talbot County, Maryland. Originally from Virginia. Elevation 1 m. Leaves narrow. Strong rhizomes.
421225. Edge of road on bridge on Turkey Point Road near Turkey Point Community sign, Anne Arundel County, Maryland. Elevation 1 m. Vigorous rhizomes.
421226. South side of U.S. Route 301, west side of Kent Island, Queen Annes County, Maryland. Peat base overlain with coarse sand. Elevation 1 m.
421227. South side of access road adjoining U.S. Route 301, 0.8 km west of Graysonville, Queen Annes County, Maryland. Vigorous rhizomes.
421228. East side of Hood Road, 1.6 km from New Jersey Turnpike, Salem County, New Jersey. Elevation 9 m.
421229. South side of Route 49 immediately west of Salem, New Jersey. Fine, sandy soil.
421230. East side of Maurice River, north side of Mauricetown Bridge, Mauricetown, Cumberland County, New Jersey.
421231. South side of Route 47 near Delmont, east side of West Creek, Cape May County, New Jersey. Large culms. Vigorous rhizomes.
421232. West side of Route 47 near South Dennis, north side of Dennis Creek, Cape May County, New Jersey. Elevation 1 m.
421233. Shoreline Anahuac National Wildlife Refuge, East Bay, Chambers County, Texas. Harris clay. Elevation 1 m.
421234. Shoreline, Smith Point, East Bay, Chambers County, Texas. Stowell loamy fine sandy. Elevation 1 m.
421235. Chatham County, Georgia. Capers. Elevation 1 m.
421236. Glynn County, Georgia. Capers.
- 421237 to 421269. *SPARTINA PATENS* (Ait.) Muhl.

Salt-meadow cordgrass.

421237. Cape May County, New Jersey.
421238. Outer Banks, near Manteo, Dare County, North Carolina.
421239. Atlantic Beach, Carteret County, North Carolina.
421240. Belle Isle, Richmond County, Virginia.

421130 to 421272—Continued**421237 to 421269—Continued**

- 421241. Sharps, Richmond County, Virginia.
- 421242. Md.-B2. Environmental Concern, Inc., Talbot County, Maryland.
- 421243. West side of access road, Assateague Island, about .8 km north of admission gate, Worcester County, Maryland.
- 421244. Sandy beach, each side of Sandy Hook Island, Monmouth County, New Jersey.
- 421245. Bay side of Sandy Hook Island, Monmouth County, New Jersey.
- 421246. East side of Sandy Hook Island, Monmouth County, New Jersey.
- 421247. Sandy flat adjacent to eastern fishing pier adjacent to bay, University of Delaware, Lewes, Sussex County, Delaware.
- 421248. West side of Route 13 immediately south of Indian River Inlet Bridge, Sussex County, Delaware. Very sandy soil.
- 421249. In front of secondary dune near 48th Street, Avalon, Cape May County, New Jersey.
- 421250. Growing on a dune adjacent to abandoned gun battery, Cape May State Park, Cape May County, New Jersey.
- 421251. South side of Roosevelt Boulevard, east of Marmora, Cape May County, New Jersey.
- 421252. Growing in gravelly sand behind rock seawall on ocean side of Sandy Hook Island, Monmouth County, New Jersey.
- 421253. Growing in gravelly sand behind rock seawall on ocean side of Sandy Hook Island, Monmouth County, New Jersey.
- 421254. Beach, bay side of Boro Park, intersection of Magee and Bay Boulevard, Lavallette Boro, Ocean County, New Jersey.
- 421255. Along roadside between Sandwich, and Cape Cod Bay, Barnstable County, Massachusetts.
- 421256. Along roadside between Sandwich and Ocean Barnstable County, Massachusetts.
- 421257. On a high meadow between dunes, Spring Hill beach, Barnstable County, Massachusetts.
- 421258. Meadow along Spring Hill Road, Barnstable County, Massachusetts.
- 421259. Meadow along Spring Hill Road at end of Foster Road, Barnstable County, Massachusetts.
- 421260. Edge of bay in gravelly sand, south end of Brewster Street, West Yarmouth, Barnstable County, Massachusetts.
- 421261. Edge of bay, west of Center Avenue, east of Davisville, Barnstable County, Massachusetts.
- 421262. Edge of bay, Shore Road east of Elms Street near Woods Hole, Barnstable County, Massachusetts.
- 421263. Sandy beach, south side of Wings Neck Peninsula, Barnstable County, Massachusetts.
- 421264. Sandy beach at edge of bay between Shore Road and Phimney's Harbor near Monument Beach, Barnstable County, Massachusetts.

421130 to 421272—Continued

421237 to 421269—Continued

421265. Sandy hydraulic fill near marina, 8 km east of Mystic, at intersection of Oxecasset Creek, Route 1 and 1a, New London County, Connecticut.
421266. Sandy meadow, near West Beach, Hammonasset Park, New Haven County, Connecticut.
421267. Sandy hydraulic fill, 1.1 km on Ridgewood Road off of East River Road, New Haven County, Connecticut.
421268. Richmond, Virginia.
421269. Edge of drainage ditch in meadow¹ immediately south of Cape May, New Jersey.
- 421270 to 421272. *SPARTINA PECTINATA* Link Prairie cordgrass.
421270. Oxford County, Maine.
421271. Route 16 in Ossipee, 4 km north of State Fish Hatchery on east shoulder in Carroll County, New Hampshire.
421272. National Plant Materials Center, Beltsville, Maryland.

421273 to 421617.

From United States. Plant materials held by Soil Conservation Service, Plant Materials Center, Manhattan, Kansas. Numbered November 30, 1977.

421273. *ACHILLEA MILLEFOLIUM* L. Asteraceae. Yarrow.
Greenwood County, Kansas.
421274. *AGROPYRON SMITHII* Rydb. Poaceae. Western wheatgrass
'Barton'. Barton County, Kansas. Released 1970.
421275. *AMORPHA CANESCENS* Pursh Fabaceae.
Riley County, Kansas.
421276. *ANDROPOGON GERARDII* Vitm. Poaceae. Big bluestem.
'Kaw'. Blend of superior plants grown from 200 accessions from Flinthills south of Manhattan, Kansas. Released 1975.
421277. *ANDROPOGON HALLII* Hack Sand bluestem.
'Garden'. Nebraska.
421278. *ASCLEPIAS TUBEROSA* L. Asclepiadaceae. Butterflyweed.
Saunders County, Nebraska.
421279. *BAPTISIA AUSTRALIS* (L.) R. Br. ex Ait. Fabaceae. Blue wild-indigo.
Harvey County, Kansas.
421280. *BAPTISIA LEUCANTHA* Torr. & Gray
Elk County, Kansas.

421273 to 421617—Continued

421281. *BOUTELOUA CURTIPENDULA* (Michx.) Torr. Poaceae. Side-oats grama.
'El Reno'. Canadian County, Oklahoma. Released 1944.
- 421282 and 421283. *BOUTELOUA GRACILIS* (Willd. ex H.B.K.) Lag. ex Griffiths Blue grama.
421282. Blend Kansas and Nebraska accessions.
421283. Blend Kansas and Texas accessions.
421284. *CALAMOVILFA LONGIFOLIA* (Hook.) Scribn. Poaceae. Prairie sandreed.
Blend of seeds from Garfield, Greely, and Boone Counties, Nebraska.
421285. *CASSIA FASCICULATA* Michx. Fabaceae. Partridge pea.
Riley County, Kansas.
- 421286 to 421291. *CEANOTHUS AMERICANUS* L. Rhamnaceae. Jerseytea ceanothus.
421286. Wabaunsee County, Kansas. Labette-Florence. Elevation 396 m.
421287. Riley County, Kansas. Clime-Sogn. Elevation 363 m.
421288. Chase County, Kansas. Sogn-Clime. Elevation 363 m.
421289. Chase County, Kansas. Sogn-Clime. Elevation 363 m.
421290. Chase County, Kansas. Clime-Sogn. Elevation 333 m.
421291. Chase County, Kansas. Clime-Sogn. Elevation 333 m.
- 421292 and 421293. *CEANOTHUS OVATUS* Desf.
421292. McPherso- County, Kansas.
421293. Greenwood County, Kansas. Clime. Elevation 333 m.
- 421294 to 421298. *CELTIS OCCIDENTALIS* L. Ulmaceae. Hackberry.
421294. Banner County, Nebraska. Glenburg. Elevation 106 m.
421295. Scotts Bluff County, Nebraska. Tripp. Elevation 106 m.
421296. Marshall County, Kansas.
421297. Garden County, Nebraska. Bridgeport fine sandy loam. Elevation 103 m.
421298. Logan County, Kansas. Keith silt loam. Elevation 294 m.
421299. *CERCIS CANADENSIS* L. Fabaceae. American redbud.
Riley County, Kansas.
421300. *COREOPSIS PALMATA* Nutt. Asteraceae.
Greenwood County, Kansas.
421301. *DAUCUS CAROTA* L. Apiaceae. Wild carrot.
Elk County, Kansas.
421302. *DESMANTHUS ILLINOENSIS* (Michx.) MacM. Fabaceae.
Reno County, Kansas.
421303. *DODECATHEON MEADIA* L. Primulaceae. Common shootingstar.
Bourbon County, Kansas.
- 421304 to 421319. *ECHINACEA FALLIDA* (Nutt.) Nutt. Asteraceae.

421273 to 421617—Continued

421304 to 421319—Continued

421304. Kansas.
 421305. Mayes County, Oklahoma.
 421306. Kay County, Oklahoma. Labette clay loam. Elevation 341 m.
 421307. Noble County, Oklahoma. Lucien very fine sandy loam. Elevation 333 m.
 421308. Noble County, Oklahoma. Owens clay. Elevation 300 m.
 421309. Anderson County, Kansas. Sogn. Elevation 318 m.
 421310. Washington County, Oklahoma.
 421311. Elk County, Kansas.
 421312. Chautauqua County, Kansas.
 421313. Woodson County, Kansas.
 421314. Wilson County, Kansas.
 421315. Shawnee County, Kansas. Martin sandy clay loam. Elevation 360 m.
 421316. Leavenworth County, Kansas. Grundy sandy clay loam. Elevation 277 m.
 421317. Johnson County, Kansas. Elevation 300 m.
 421318. Seminole County, Oklahoma.
 421319. Osage County, Oklahoma. Dennis Carrytown. Elevation 281 m.

421320 to 421374. ECHINACEA PALLIDA var. ANGUSTIFOLIA (DC.) Cronq.
Asteraceae.

421320. Chautauqua County, Kansas.
 421321. Ellsworth County, Kansas.
 421322. Chase County, Kansas. Sogn.
 421323. Riley County, Kansas.
 421324. Riley County, Kansas.
 421325. Ellis County, Kansas.
 421326. Greenwood County, Kansas.
 421327. Meade County, Kansas.
 421328. Kansas.
 421329. Kansas.
 421330. Kansas.
 421331. Logan County, Oklahoma. Renfrow silt loam. Elevation 300 m.
 421332. Richardson County, Nebraska. Kipson-Benfield sandy clay loam. Elevation 360 m.
 421333. Holt County, Nebraska. Dunday-Simeon-Meadin.
 421334. Texas County, Oklahoma.
 421335. Lancaster County, Nebraska. Steinauer. Elevation 406 m.
 421336. Jewell County, Kansas. Elevation 758 m.
 421337. Sheridan County, Nebraska. Bridget very fine sandy loam. Elevation 1,212 m.
 421338. Dawes County, Nebraska. Rosebud loam. Elevation 1,363 m.

421273 to 421617—Continued

421320 to 421374—Continued

- 421339. Barber County, Kansas.
- 421340. Butler County, Kansas.
- 421341. Butler County, Nebraska Colt silt loam. Elevation 697 m.
- 421342. Gray County, Kansas. Mansic clay loam.
- 421343. Republic County, Kansas. Kipson. Elevation 455 m.
- 421344. Cloud County, Kansas. Kipson. Elevation 455 m.
- 421345. Webster County, Nebraska. Kipson silt loam. Elevation 564 m.
- 421346. Pierce County, Nebraska. Valentine fine sand. Elevation 518 m.
- 421347. Pierce County, Nebraska.
- 421348. Harper County, Oklahoma. Elevation 630 m.
- 421349. Clark County, Kansas.
- 421350. Clark County, Kansas. Campus-anlon complex. Elevation 605 m.
- 421351. Ness County, Kansas. Campus-Canlon complex. Elevation 779 m.
- 421352. Craig County, Oklahoma. Summit sandy clay loam. Elevation 212 m.
- 421353. Custer County, Nebraska. Coly.
- 421354. Washington County, Oklahoma.
- 421355. Oklahoma County, Oklahoma. Mansker-Potter. Elevation 727 m.
- 421356. Knox County, Nebraska. Redstoe silt loam. Elevation 380 m.
- 421357. Hodgeman County, Kansas. Campus-Canlon. Elevation 696 m.
- 421358. Lyon County, Kansas.
- 421359. Chase County, Kansas.
- 421360. Jackson County, Kansas. Elevation 348 m.
- 421361. Shawnee County, Kansas. Sogn-Vinland complex. Elevation 378 m.
- 421362. Ellis County, Kansas.
- 421363. Smith County, Kansas. Elevation 545 m.
- 421364. Osborne County, Kansas. Elevation 515 m.
- 421365. Phillips County, Kansas. Brownell-Wakeen. Elevation 624 m.
- 421366. Lane County, Kansas. Campus-Canlon. Elevation 818 m.
- 421367. Major County, Oklahoma.
- 421368. Oklahoma County, Oklahoma. Windthorst & Darnell.
- 421369. Scott County, Kansas. Potter. Elevation 878 m.
- 421370. Ford County, Kansas. Potter. Elevation 742 m.
- 421371. Douglas County, Nebraska. Monona. Elevation 378 m.
- 421372. Garfield County, Nebraska. Hersh fine sandy loam. Elevation 748 m.
- 421373. Payne County, Oklahoma. Renfrow. Elevation 303 m.
- 421374. Cherokee County, Oklahoma. Eldorado sandy loam. Elevation 327 m.

421273 to 421617—Continued

421375. *ELAEAGNUS ANGUSTIFOLIA* L. Elaeagnaceae. Russian olive.
Nebraska.
421376. *ELYMUS CANADENSIS* L. Poaceae. Canada wildrye.
Geary County, Kansas.
421377. *ERAGROSTIS TRICHODES* (Nutt.) Wood Poaceae. Sand lovegrass.
'Bend'. Blend of Kansas and Oklahoma accessions. Released in 1971.
421378. *HELIANTHUS MAXIMILIANII* Schrad. Asteraceae. Sunflower.
Greenwood County, Kansas.
421379. *HELIOPSIS HELIANTHOIDES* (L.) Sweet Asteraceae.
Greenwood County, Kansas.
- 421380 and 421381. *HESPERIS MATRONALIS* L. Brassicaceae. Dame's-rocket.
421380. Riley County, Kansas.
421381. Reno County, Kansas.
421382. *LESPEDEZA STUEVEI* Nutt. Fabaceae.
Oklahoma.
- 421383 to 421411. *LIATRIS ASPERA* Michx. Asteraceae.
421383. Greenwood County, Kansas.
421384. Okmulgee County, Oklahoma
421385. Riley County, Kansas.
421386. Greenwood County, Texas.
421387. Washington County, Nebraska.
421388. Riley County, Kansas.
421389. Saunders County, Nebraska.
421390. Pawnee County, Oklahoma.
421391. Pawnee County, Nebraska.
421392. Pierce County, Nebraska. Valentine sand. Elevation 536 m.
421393. Clark County, Kansas. Campus-Canlon complex. Elevation 606
m.
421394. Craig County, Oklahoma. Dennis. Elevation 232 m.
421395. Anderson County, Kansas. Sogn. Elevation 318 m.
421396. Wabaunsee County, Kansas. Clime-Sogn. Elevation 356 m.
421397. Butler County, Nebraska. Sharpsburg Sandy clay loam. Eleva-
tion 484 m.
421398. Saunders County, Nebraska. Sharpsburg sandy clay loam.
Elevation 360 m.
421399. Riley County, Kansas.
421400. Geary County, Kansas.
421401. Montgomery County, Kansas.

421273 to 421617—Continued**421383 to 421411—Continued**

- 421402. Cherokee County, Kansas.
- 421403. Jackson County, Kansas. Sogn-Vinland complex. Elevation 381 m.
- 421404. Shawnee County, Kansas. Vinland sandy clay loam. Elevation 303 m.
- 421405. Leavenworth County, Kansas. Sharpsburg.
- 421406. Allen County, Kansas.
- 421407. Osage County, Oklahoma. Steedman-Coweta. Elevation 253 m.
- 421408. Kay County, Oklahoma.
- 421409. Logan County, Nebraska. McCook loam. Elevation 848 m.
- 421410. Logan County, Oklahoma. Renfrow. Elevation 303 m.
- 421411. Cherokee County, Oklahoma. Eldorado sandy loam. Elevation 327 m.

421412 to 421506. LIATRIS PUNCTATA Hook.**Dotted gayfeather.**

- 421412. Greenwood County, Kansas.
- 421413. Riley County, Kansas.
- 421414. Hitchcock County, Nebraska.
- 421415. Chase County, Kansas. Dwight.
- 421416. Chase County, Kansas. Sogn.
- 421417. Greenwood County, Kansas.
- 421418. Wibaux County, Nebraska.
- 421419. Woodson County, Kansas.
- 421420. Pawnee County, Oklahoma. Sogn.
- 421421. Kansas.
- 421422. Butler County, Kansas.
- 421423. Gray County, Kansas.
- 421424. Gray County, Kansas.
- 421425. Finney County, Kansas.
- 421426. Finney County, Kansas.
- 421427. Finney County, Kansas.
- 421428. Meade County, Kansas.
- 421429. Meade County, Kansas.
- 421430. Morton County, Kansas.
- 421431. Stevens County, Kansas.
- 421432. Kansas.
- 421433. Graham County, Kansas.
- 421434. Graham County, Kansas.
- 421435. Ellis County, Kansas.
- 421436. Greenwood County, Kansas.
- 421437. Phillips County, Kansas.
- 421438. Phillips County, Kansas.

421273 to 421617—Continued

421412 to 421506—Continued

- 421439. Smith County, Kansas.
- 421440. Kansas.
- 421441. Kansas.
- 421442. Lancaster County, Nebraska.
- 421443. Hooker County, Nebraska. Valentine fine sand. Elevation 939 m.
- 421444. Republic County, Kansas. Kipson. Elevation 455 m.
- 421445. Pierce County, Nebraska. Valentine and Thurman. Elevation 524 m.
- 421446. Pierce County, Nebraska. Valentine and Thurman. Elevation 524 m.
- 421447. Stevens County, Kansas. Colby loam. Elevation 909 m.
- 421448. Seward County, Kansas. Qtero-Mansic. Elevation 879 m.
- 421449. Clay County, Kansas. Elevation 409 m.
- 4421450. Texas County, Oklahoma.
- 421451. Clay County, Nebraska.
- 421452. Grant County, Kansas. Manter. Elevation 874 m.
- 421453. Greeley County, Kansas. Ulysses loam. Elevation 1,068 m.
- 421454. Lancaster County, Nebraska. Sharpsburg. Elevation 379 m.
- 421455. Ness County, Kansas. Campus-Canlon complex. Elevation 791 m.
791 m.
- 421456. Anderson County, Kansas. Kenoma. Elevation 318 m.
- 421457. Kimball County, Nebraska. Elevation 1,455 m.
- 421458. Buffalo County, Nebraska. Holdrege silt loam. Elevation 666 m.
- 421459. Custer County, Nebraska, Hobbs.
- 421460. Lincoln County, Kansas. Kipson. Elevation 454 m.
- 421461. Wabaunsee County, Kansas. Clime-Sogn complex. Elevation 356 m.
- 421462. Washington County, Oklahoma.
- 421463. Harvey County, Kansas.
- 421464. Marion County, Kansas.
- 421465. Butler County, Nebraska. Sharpsburg sandy clay loam. Elevation 484 m.
- 421466. Oklahoma County, Oklahoma. Brownfield fine sand. Elevation 727 m.
- 421467. Harmon County, Oklahoma. Harmon clay loam. Elevation 509.
- 421468. Kiowa County, Oklahoma. Carey. Elevation 436 m.
- 421469. Hodgeman County, Kansas. Campus-Carlon. Elevation 696 m.
- 421470. Ford County, Kansas. Ulysses silt loam.
- 421471. Haskell County, Kansas. Manter fine sandy loam. Elevation 878 m.
- 421472. Gray County, Kansas. Mansic clay loam. Elevation 800 m.
- 421473. Riley County, Kansas.

421273 to 421617—Continued

421412 to 421506—Continued

421474. Pottawatomie County, Kansas.
421475. Lyon County, Kansas.
421476. Chase County, Nebraska. Colby. Elevation 972 m.
421477. Jackson County, Kansas. Pawnee clay loam. Elevation 351 m.
421478. Jackson County, Kansas. Sogn-Vinland complex. Elevation 381 m.
421479. Coffey County, Kansas. Kenome silt loam. Elevation 345 m.
421480. Leavenworth County, Kansas.
421481. Webster County, Nebraska. Geary silt loam. Elevation 564 m.
421482. Seminole County, Oklahoma.
421483. Decatur County, Kansas. Ulysses. Elevation 818 m.
421484. Meade County, Kansas. Campus-Canyon. Elevation 667 m.
421485. Finney County, Kansas. Mansic clay loam. Elevation 779 m.
421486. Phillips County, Kansas.
421487. Osage County, Oklahoma. Shidler.
421488. Lane County, Kansas. Minnequa. Elevation 803 m.
421489. Hamilton County, Kansas. Colby silt loam. Elevation 992 m.
421490. Garvin County, Oklahoma. Zaneis. Elevation 292 m.
421491. Carter County, Oklahoma. Windthorst. Elevation 242 m.
421492. Marshall County, Oklahoma. Durant loam. Elevation 212 m.
421493. Oklahoma County, Oklahoma. Darnell-Stephenville.
421494. Blaine County, Oklahoma.
421495. Kay County, Oklahoma.
421496. Grant County, Oklahoma.
421497. Rush County, Kansas.
421498. Marion County, Kansas.
421499. Cleveland County, Oklahoma. Savannah, Darnell. Elevation 357 m.
421500. Scott County, Kansas. Potter. Elevation 878 m.
421501. Caddo County, Oklahoma. Limestone Cobbly. Elevation 484 m.
421502. Stephens County, Oklahoma. Stephenville. Elevation 333 m.
421503. Keith County, Nebraska. Colby sandy loam. Elevation 112 m.
421504. Lincoln County, Nebraska. Valentine fine sand. Elevation 862 m.
421505. Russell County, Kansas.
421506. Nuckolls County, Nebraska. Hastings sandy loam. Elevation 560 m.
421507. *LIATRIS PYCNOSTACHYA* Michx. Cattail gayfeather.
'Eureka'. Greenwood County, Kansas. Released 1975.

421273 to 421617—Continued

421508. *LIATRIS SCARIOSA* (L.) Willd. **Gayfeather.**
Riley County, Kansas.
- 421509 and 421510. *LIATRIS SQUARROSA* (L.) Michx.
421509. Knox County, Nebraska. Valentine fine sand. Elevation 463 m.
421510. Osage County, Oklahoma. Steedman-Coweta. Elevation 285 m.
421511. *LIATRIS* sp.
Pottawatomie County, Kansas.
421512. *LIATRIS* sp.
Woodson County, Kansas.
421513. *LITHOSPERMUM CAROLINIENSE* (J. F. Gmel.) Mac M. Bora-
ginaceae. Pottawatomie County, Kansas.
421514. *MISCANTHUS SINENSIS* Anderss. Poaceae. **Miscanthus.**
Marshall County, Kansas.
421515. *OENOTHERA MISSOURIENSIS* Sims. Onagraceae.
Greenwood County, Kansas.
- 421516 and 421517. *OENOTHERA SPECIOSA* Nutt. Onagraceae.
421516. Lyon County, Kansas.
421517. Chase County, Kansas.
- 421518 and 421519. *OSTRYA VIRGINIANA* (Mill.) K. Koch. Betulaceae.
Eastern hophornbeam.
421518. Riley County, Kansas.
421519. Wabaunsee County, Kansas. Elevation 378 m.
- 421520 and 421521. *PANICUM VIRGATUM* L. Poaceae. **Switchgrass.**
421520. 'Blackwell'. Kay County, Oklahoma. Released 1944.
421521. 'Kanlow'. Wetumko, Oklahoma. Released 1963.
421522. *PENSTEMON GLABER* Pursh Scropulariaceae.
Pennington County, South Dakota.
421523. *PETALOSTEMUM PURPUREUM* (Vent.) Rydb. Fabaceae.
KL 42. 'Kaneb'. Released 1975.
- 421524 and 421525. *PHRAGMITES AUSTRALIS* (Cav.) Trin. ex Steud.
Poaceae. **Common reed.**
421524. Pottawatomie County, Kansas.
421525. Rawlins County, Kansas.
421526. *PINUS SABINIANA* Dougl. ex Don Pinaceae. **Digger pine.**
Washita County, Oklahoma. Grandfield fine sandy loam. Elevation 593 m.
421527. *PRUNUS AMERICANA* Marsh. Rosaceae. **American plum.**
Seward County, Kansas.
421528. *PRUNUS ANGUSTIFOLIA* Marsh. **Chickasaw plum.**
Finney County, Kansas.

421273 to 421617—Continued

421529. *PRUNUS TOMENTOSA* Thunb.
Lancaster County, Nebraska.
421530. *PRUNUS VIRGINIANA* L. Chokecherry.
Cherry County, Nebraska. Elevation 727 m.
- 421531 and 421532. *QUERCUS MACROCARPA* Michx. Fagaceae. Bur oak.
421531. Payne County, Oklahoma. Renfrow silt loam. Elevation 277 m.
421532. Payne County, Oklahoma. Port silt loam. Elevation 277 m.
421533. *QUERCUS SHUMARDII* Buckl.
Payne County, Oklahoma.
421534. *RATIBIDA COLUMNIFERA* (Nutt.) Woot. & Standl. Asteraceae.
Lancaster County, Nebraska. Steinauer. Elevation 382 m.
- 421535 and 421536. *RATIBIDA PINNATA* (Vent.) Barnh.
421535. Greenwood County, Kansas.
421536. Greenwood County, Kansas.
421537. *RHUS GLABRA* L. Anacardiaceae. Smooth sumac.
Riley County, Kansas.
- 421538 to 421548. *RHUS TRILOBATA* Nutt.
421538. Gray County, Kansas.
421539. Greer County, Oklahoma. Elevation 500 m.
421540. Greer County, Oklahoma. Elevation 500 m.
421541. Sheridan County, Nebraska. Bridget very fine sandy loam.
Elevation 1,212 m.
421542. Sioux County, Nebraska. Elevation 1,363 m.
421543. Oklahoma County, Oklahoma. Pratt loamy fine sand. Elevation
696 m.
421544. Washington County, Colorado.
421545. Decatur County, Kansas. Brownell-Wakeen. Elevation 636 m.
421546. Lane County, Kansas. Elevation 818 m.
421547. Knox County, Nebraska. Bristow silty clay. Elevation 450 m.
421548. Keith County, Nebraska. Elevation 106 m.
421549. *ROSA ARKANSANA* Porter Rosaceae. Arkansas rose.
Knox County, Nebraska.
421550. *RUDBECKIA GRANDIFLORA* (D. Don) DC. Asteraceae. Black-eyed Susan.
Greenwood County, Kansas.
421551. *SALVIA AZUREA* var. *GRANDIFLORA* Benth. Lamiaceae.
'Nehan'. Marion County, Kansas. Released 1975.
- 421552 to 421554. *SCHIZACHYRIUM SCOPARIUM* (Michx.) Nash Poaceae. Little bluestem.
421552. Blend of Kansas and Oklahoma accessions. Elevation 909 m.
421553. 'Aldous'. Blend of superior plants grown from 200 accessions
from Flinthills south of Manhattan, Kansas. Released 1966.
421554. Blend of Kansas and Nebraska accessions.

421273 to 421617—Continued

421555. SHEPHERDIA ARGENTEA (Pursh) Nutt. Elaeagnaceae.
Silver buffalo-grass.
Scotts Bluff, Nebraska. Elevation 106 m.
- 421556 to 421591. SILPHIUM LACINIATUM L. Asteraceae.
421556. Greenwood County, Kansas.
421557. Okmulgee County, Oklahoma.
421558. Lancaster County, Nebraska.
421559. Cedar County, Nebraska. Burchard. Elevation 436 m.
421560. Mitchell County, Kansas. Elevation 455 m.
421561. Ellsworth County, Kansas. Elevation 522 m.
421562. Pawnee County, Nebraska.
421563. Pierce County, Nebraska. Hadar loamy fine sand. Elevation 485 m.
421564. Lancaster County, Nebraska. Sharpsburg. Elevation 385 m.
421565. Craig County, Oklahoma. Bonham silt loam. Elevation 224 m.
421566. Atchison County, Kansas. Sogn. Elevation 318 m.
421567. Wabaunsee County, Kansas. Labette-Florence. Elevation 409 m.
421568. Lincoln County, Kansas. Kipson. Elevation 469 m.
421569. Washington County, Oklahoma.
421570. Harvey County, Kansas.
421571. Chase County, Kansas.
421572. Woodson County, Kansas.
421573. Montgomery County, Kansas.
421574. Shawnee County, Kansas. Pawnee clay loam. Elevation 318 m.
421575. Osage County, Kansas. Elevation 381 m.
421576. Leavenworth County, Kansas. Sharpsburg.
421577. Lancaster County, Nebraska. Sharpsburg. Elevation 373 m.
421578. Ellis County, Kansas.
421579. Osborne County, Kansas. Elevation 515 m.
421580. Russell County, Kansas. Elevation 575 m.
421581. Butler County, Kansas.
421582. Osage County, Oklahoma. Okema silty clay. Elevation 308 m.
421583. Major County, Oklahoma. Vernon.
421584. Kay County, Oklahoma.
421585. Noble County, Oklahoma.
421586. Oklahoma County, Oklahoma. Darnell-Stephenville.
421587. Murray County, Oklahoma. Kiti rock outcrop. Elevation 285 m.
421588. Atoka County, Oklahoma. Dennis fine sandy loam. Elevation 175 m.
421589. Callaway County, Missouri.
421590. Cleveland County, Oklahoma. Darnell. Elevation 363 m.
421591. Crawford County, Arkansas.

421273 to 421617—Continued

421592. *SILPHIUM PERFOLIATUM* L.
Labette County, Kansas.
421593. *SILPHIUM* sp.
Osborne County, Kansas. Elevation 515 m.
421594. *SORGHASTRUM NUTANS* (L.) Nash Poaceae. **Indiangrass.**
'Osage'. Released 1966.
- 421595 to 421606. *SPARTINA PECTINATA* Link Poaceae. **Prairie cordgrass.**
421595. Washington County, Nebraska.
421596. Cheyenne County, Kansas.
421597. Wagoner County, Oklahoma.
421598. Saline County, Nebraska.
421599. Shawnee County, Kansas. Summit silty clay.
421600. Alfalfa County, Oklahoma.
421601. Richardson County, Nebraska.
421602. Labette County, Kansas.
421603. Cherokee County, Kansas.
421604. Montgomery County, Kansas.
421605. Composite of Nebraska and Kansas accessions.
421606. Composite of Center accessions.
421607. *STIPA SPARTEA* Trin. Poaceae. **Porcupine grass.**
Atchison County, Kansas.
421608. *SYRINGA VULGARIS* L. Oleaceae. **Common lilac.**
Knox County, Nebraska. Elevation 363 m.
421609. *THELESPERMA TRIFIDUM* (Poir.) Britt. Asteraceae.
Elk County, Kansas.
421610. *THUJA ORIENTALIS* L. Cupressaceae. **Oriental arbor-vitae.**
Washita County, Oklahoma.
421611. *TRADESCANTIA* sp. Commelinaceae.
Osage County, Kansas.
421612. *TRIPSACUM DACTYLOIDES* (L.) L. Poaceae. **Eastern gamagrass.**
Kansas.
421613. *ULMUS PARVIFOLIA* Jacq. Ulmaceae. **Chinese elm.**
Woodward County, Oklahoma. Pratt fine sandy loam. Elevation 575 m.
421614. *ULMUS WILSONIANA* C. K. Schneid.
Ohio.
421615. *VERBESINA ALTERNIFOLIA* (L.) Britt. ex. Kearn. Asteraceae.
Labette County, ansas.
421616. *ZELKOVA SERRATA* (Thunb.) Makino Ulmaceae.
Oklahoma. Norge loam. **Japanese zelkova.**
421617. *ZIZIPHUS JUJUBA* Mill. Rhamnaceae. **Common jujube.**
Finney County, Kansas.

421618 to 421622.

From United States. Plant material held by Soil Conservation Service, Plant Materials Center, Quicksand, Kentucky. Numbered December 20, 1977.

- 421618 to 421620. *ALNUS SERULATA*. (Ait.) Willd. Betulaceae. **Hazel alder.**
421618. Maine. Peru very stony fine sandy loam. Elevation 134 m.

421618 to 421622—Continued**421618 to 421620—Continued**

421619. Tennessee.

421620. Kentucky.

421621 and 421622. CINNA ARUNDINACEA L. Poaceae.

421621. Kentucky. Elevation 236 m.

421622. Kentucky. DeKalb-Muskingham-Berks association. Elevation 236 m.

421623 to 421677. RUDBECKIA HIRTA L. Asteraceae.**Black-eyed Susan.**

From United States. Plant material held by Soil Conservation Service, Plant Materials Center, Big Flats, New York. Numbered December 20, 1977.

421623. Route 89 mile marker 29, north of Warner, Merrimack County, New Hampshire.

421624. Intersection of Routes 91 and 9 south of Hartford, Hartford County, Connecticut.

421625. Route 4 east of Hudson Falls, Washington County, New York.

421626. Route 84 between Waterford and Hartford, New Haven County, Connecticut.

421627. Route 7, 1.6 km north of Shelburne, Chittenden County, Vermont.

421628. Route 87, Glens Falls, Saratoga County, New York.

421629. Route 89 south of Burlington, Chittenden County, Vermont.

421630. Route 7 south of Pittsford, Rutland County, Vermont.

421631. Route 91 road marker 44-35, south of Ascutaney, Windsor County, Vermont.

421632. Route 91 road marker 46-50, south of Springfield, Windham County, Vermont.

421633. Route 89S road marker 22-60, north of Bethel, Windsor County, Vermont.

421634. Route 84 south of Hartford, New Haven County, Connecticut.

421635. Route 89, 1.6 km east of Hopkinton, Merrimack County, New Hampshire.

421636. Route 89 north of Grantham, Sullivan County, New Hampshire.

421637. Route 87 north of Lake George, Warren County, New York.

421638. Intersection of Routes 91 and 89, White River Junction, Windsor County, Vermont.

421639. First underpass under toll booths for Maine Turnpike, York County, Maine.

421640. South 2.4 km of Biddeford, York County, Maine.

421641. Route 89 north of Sunapee, Sullivan County, New Hampshire.

421642. Route 4 between Quechee and Taftsville, Windsor County, Vermont.

421643. Route 84 mile marker 11 near Danbury, Fairfield County, Connecticut.

421644. Interstate 89, 6.4 km north of 191, Windsor County, Vermont.

421645. Route 91S, 16 km south of Route 89, Windsor County, Vermont.

421623 to 421677—Continued

421646. Interstate 89S mile marker 26-45, south of Bethel, Windsor County, Vermont.
421647. Route 84, Waterbury, New Haven County, Connecticut.
421648. Interstate 89 mile marker 20, Concord, Tolland County, Connecticut.
421649. Route 93N, mile marker 67-99-37, Campton, Grafton County, New Hampshire.
421650. Route 91S, road marker 65-95, south of Lebanon, Windsor County, Vermont.
421651. Route 91S road marker 13-20, south of Westminster, Windham County, Vermont.
421652. Route 89 north of Newport exit, Sullivan County, New Hampshire.
421653. Route 7, 1.6 km north of Rutland, Rutland County, Vermont.
421654. Route 95N, near Kittery after Portsmouth Bridge, York County, Maine.
421655. Route 89 exit 10, Merrimack County, New Hampshire.
421656. Route 89S north of mile marker 69-75, Waterbury, Washington County, Vermont.
421657. Interstate 89, 3.2 km east of Burlington, Chittenden County, Vermont.
421658. Route 89 south of Springfield, Sullivan County, New Hampshire.
421659. Route 89N mile marker 419-998-016, Sullivan County, New Hampshire.
421660. Route 89N mile marker 47, south of Lebanon, Grafton County, New Hampshire.
421661. Route 89N mile marker 253-998-78, Lebanon, Grafton County, New Hampshire.
421662. Route 91S, north of Brattleboro, Suffolk County, Massachusetts.
421663. Route 91 south of Brattleboro, Windham County, Vermont.
421664. Route 89, 1.6 km before Enfield exit 17, Grafton County, New Hampshire.
421665. Interstate 87 south of Lake George Village exit, Saratoga County, New York.
421666. Interstate 87 north of Warrensburg, Warren County, New York.
421667. Interstate 87 south of Glens Falls, Saratoga County, New York.
421668. Route 91 mileage marker 2910 south of Westminster, Windham County, Vermont.
421669. Route 89N road marker 11, Warner, Merrimack County, New Hampshire.
421670. Route 89S road marker 2960, south of Randolph, Windsor County, Vermont.
421671. Route 91 road marker 2910, south of Westminster, Windham County, Vermont.

421623 to 421677—Continued

421672. South of Greenfield, Franklin County, Massachusetts.
 421673. Sandy Hook, Fairfield County, Connecticut.
 421674. Route 9, Rutland County, Vermont.
 421675. Bernard Ahouse, Lodi, Seneca County, New York.
 421676. River Road, south of Country Kitchen Restaurant, Elmira,
 Chemung County, New York.
 421677. Route 193, 11.2 km north of Bow-Concord town line, Merrimack
 County, New Hampshire.

421678 to 422162.

From United States. Plant material held by Soil Conservation Service, Plant
 Materials Center, Brooksville, Florida. Numbered September 29, 1977.

421678. ACER RUBRUM L. Aceraceae. Red maple.
 Plant Materials Center, Brooksville, Florida. Florida.
 Elevation 198 m.
421679. ACROCERAS MACRUM Stapf Poaceae. Nilegrass.
 Originally received from Africa.
421680. AESCHYNOMENE AMERICANA L. Fabaceae. Joint-vetch.
 Near Arcadia, De Soto, County, Florida.
421681. AMMOPHILA BREVILIGULATA Fern. Poaceae. American beachgrass.
 Along coast, North Carolina.
- 421682 and 421683. AMORPHA FRUTICOSA L. Fabaceae Indigobush.
 421682. Gainesville, Texas.
 421683. Stanton, Nebraska.
- 421684 and 421685. AMPELOPSIS BREVIPELUNCULATA (Maxim.) Trautiv.
 Vitaceae.
 421684. Chapel Hill Nursery, Maryland.
 421685. Plant Materials Center, Brooksville, Florida. Received as cv.
 citrulloides.
421686. ANDROPOGON CAPILLIPES Nash Poaceae.
 Lynn Harrison Ranch, Manatee County, Florida.
421687. ANDROPOGON MARITIMUS Chapm.
 Holiday on the Gulf, Nova Street, Bay County, Florida.
- 421688 to 421705. ANDROPOGON STOLONIFER (Nash) Hitchc.
 421688. Plant Materials Center, Arcadia, Florida.
 421689. Florida.
 421690. Brownville, De Soto County, Florida.
 421691. Near canal, Indian River County, Florida.
 421692. Alligator Creek, Punta Gorda, Charlotte County, Florida.
 421693. North side of old Winter Haven Road, 6.4 km east of Lake-
 land, Florida.
 421694. Cummer Ranch, 12.2 km northeast of Dade City, Pasco County,
 Florida.
 421695. North .4 km of SR Route 663, 7.2 km south of Ona, Hardee
 County, Florida.

421678 to 422162—Continued

421688 to 421705—Continued

421696. South side of SR Route 64, 8.2 km east of Ona, Hardee County, Florida.
421697. North side of SR Route 64, 11.6 km east of Ona, Hardee County, Florida.
421698. Plant Materials Center, Brooksville, Florida. Wauchula.
421699. Agricultural Research Center, Ona, Florida.
421700. Stuart Ranch, DeSoto County, Florida.
421701. Disney World, Orange County, Florida.
421702. Ona, Hardee County, Florida.
421703. Disney World, Orange County, Florida.
421704. East side of U.S. Route 301, south of Hillsborough County line, Florida.
421705. East side of U.S. Route 301, 8 km north of Hillsborough County line, Pasco County, Florida.
- 421706 to 421708. *ARACHIS GLABRATA* Benth. Fabaceae. Peanut.
421706. Coastal Plains Experiment Station, Tifton, Georgia.
Originally from South America.
421707. Selection from Florida Experiment Station, Alachua County, Florida.
421708. Plant Materials Center, Brooksville, Florida.
421709. *ARACHIS* sp.
Georgia Experiment Station.
421710. *ARDISIA CRENATA* Sims Myrsinaceae.
Chinsegut Hill, Hernando County, Florida.
421711. *ARDISIA JAPONICA* (Thunb.) Blume
Chinsegut Hill, Hernando County, Florida. Arrendo.
- 421712 and 421713. *AVICENNIA GERMINANS* (L.) L. Avicenniaceae.
Black mangrove.
421712. Pasco County School, Pasco County, Florida.
421713. Ponce De Lean Park, Punta Gorda, Charlotte County, Florida.
421714. *BORRICHIA FRUTESCENS* (L.) DC. Asteraceae.
West of bridge on SR Route 707, Hobe Sound Beach, Jupiter, Palm Beach County, Florida.
421715. *BORRICHIA* sp.
The Battery, Bay Port, Hernando County, Florida. Udañic.
421716. *BROMUS* sp. Poaceae.
Plant Materials Center, Brooksville, Florida. Kendrick.
421717. *BUCHLOE DACTYLOIDES* (Nutt.) Engelm. Poaceae. Buffalograss.
Texas.
421718. *BUDDLEIA MADAGASCARIENSIS* Lam. Loganiaceae. Butterflybush.
Orange County, Florida.
421719. *BUDDLEIA* sp.
Disney World, Orange County, Florida.
421720. *BUMELIA TENAX* (L.) Willd. Sapotaceae.
Ormond Beach, Volusia County, Florida.

421678 to 422162—Continued

421721. *CALLICARPA JAPONICA* Thunb. Verbenaceae. **Japanese beautyberry.**
Originally from Japan, via U.S. National Arboretum, Washington, D.C.
(PQ4754).
421722. *CAMELLIA SINENSIS* (L.) Ktze. Theaceae. **Tea.**
Americus, Georgia.
421723. *CANAVALIA* sp. Fabaceae.
Martin County, Florida.
421724. *CANAVALIA* sp.
Jupiter Beach, Palm Beach County Park, Florida.
421725. *CAREX* sp. Cyperaceae.
Knox City, Texas.
421726. *CARYA TOMENTOSA* (Poir.) Nutt. Juglandaceae. **Mockernut hickory.**
South of Mulberry on SR Route 37, Polk County, Florida.
Large tree.
421727. *CASSIA FASCICULATA* Michx. Fabaceae. **Partridge pea.**
Throckmorton, Texas.
421728. *CASSIA MIMOSOIDES* L. **Senna.**
Originally from Puerto Rico.
421729. *CASSIA OBTUSIFOLIA* L. **Sicklepod.**
Plant Materials Center, Brooksville, Florida. Kendrick.
- 421730 and 421731. *CASTANEA* (hybrid) Fagaceae.
421730. Plant Materials Center, Elsberry, Missouri.
421731. Plant Materials Center, Elsberry, Missouri.
421732. *CASTANEA ALABAMENSIS* Ashe
I. I. Mathe, 1.6 km east of Interlachen Cross Road, Putnam County,
Florida.
- 421733 and 421734. *CASTANEA ALNIFOLIA* Nutt. **Chestnut.**
421733. Alexandria, Louisiana.
421734. On ST Route 129, McAlphin, Suwannee County, Florida.
- 421735 to 421738. *CASTANEA MOLLISIMA* Bl. **Chinese chestnut.**
421735. R-6T-16. Plant Introduction Station, Savannah, Georgia.
421736. S-876. Plant Introduction Station, Savannah, Georgia.
421737. Miller residence, Brooksville, Florida.
421738. University of Georgia, Branch Experiment Station, Americus,
Georgia.
- 421739 and 421740. *CASTANEA PUMILA* (L.) Mill. **Allegheny chinkapin.**
421739. Towns County, Georgia.
421740. Ichetucknee Springs Road, 8 km northwest of Fort White,
Columbia, County, Florida.
421741. *CASTANEA* sp.
Edwards residence, Brooksville, Florida. Nobleton.
421742. *CASTANEA* sp.
West side of U.S. Route 129, 12.9 km north of Branford, Suwannee
County, Florida.

421678 to 422162—Continued

421743. *CASTANEA* sp.
West side of U.S. Route 129, 12.6 km north of Branford, Suwanee County, Florida.
421744. *CASTANEA* sp.
Platt residence, 8 km north of Fort White, Columbia County, Florida.
421745. *CASTANEA* sp.
North 8 km of Fort White, Hernando County, Florida.
421746. *CASTANEA* sp.
North 2.7 km of O'Brien, Suwannee County, Florida.
421747. *CELTIS LAEVIGATA* Willd. Ulmaceae.
Holts residence, Taylor Creek, Okeechobee County, Florida.
421748. *CENCHRUS CILIARIS* L. Poaceae. **Buffelgrass.**
TARS-331. Texas Agricultural Research Service, Crops Research Division, College Station, Texas.
421749. *CENCHRUS MYOSUROIDES* H.B.K. **Big sandbur.**
Plant Materials Center, Knox City, Texas.
421750. *CERATIOLA ERICOIDES* Michx. Empetraceae.
North 24 km of Altoona, east of SR Route 19, Lake County, Florida.
421751. *CHAMAECYPARIS LAWSONIANA* (A. Murr.) Parl. Cupressaceae.
Port-Orford-cedar.
Colorado.
421752. *CHAMAECYPARIS THYOIDES* (L.) B.S.P. **Atlantic white-cedar.**
White Springs Run, 9.6 km south of Interlachen, Putnam County, Florida.
- 421753 and 421754. *CHIONANTHUS VIRGINICA* L. Oleaceae.
White fringetree.
421753. Northeast 4.6 km of Brooksville, junction of Grubbs Road and U.S. 41, Florida. Blichton.
421754. Plant Materials Center, Americus, Georgia.
421755. *CHLORIS DISTICHOPHYLLA* Lag. Poaceae.
Plant Materials center area, Brooksville, Florida. Kendrick.
421756. *CHLORIS* sp.
Just before S-452 junction by railroad track, Lake County, Florida.
421757. *CHLORIS* sp.
East 6.2 km of junction of 44A and 44, Lake County, Florida.
421758. *CHLORIS* sp.
On SR Route 484, 4.3 km east of Belleview, Marion County, Florida.
421759. *CHLORIS* sp.
Corner of Southwest Sixth Street and Southeast Second Avenue, Gainesville, Alachua County, Florida.
421760. *CHLORIS* sp.
On U.S. Route 301, 1 km south of Bushnell, Sumter County, Florida.
421761. *CHLORIS* sp.
North side of Highway 40, 1.2 km east of Forest Road 79, Florida.
421762. *CHOERSONDIAS AXILLARIS* (Roxb.) Burt & Hill Anacardiaceae.
Originally from Hong Kong.
- 421763 and 421764. *CHRYSOPSIS GRAMINIFOLIA* (Michx.) Ell. Asteraceae.

421678 to 422162—Continued

421763 and 421764—Continued

421763. On Route SR 44, 3.2 km east of Wildwood, Sumter County, Florida.
421764. On Route SR 44, 1.6 km east of Wildwood, Sumter County, Florida.
421765. *COCCOLOBA UVIFERA* (L.) L. Polygonaceae. **Seagrape.**
Corner of East Granada Boulevard, Ormond Beach, Volusia County, Florida.
421766. *CRATAGEUS SANGUINEA* Pall. Rosaceae.
Hillsborough County, Florida.
421767. × *CUPRESSOCYPARIS LEYLANDII* (A. B. Jackson & Dallim.) Dallim.
Cupressaceae.
Plant Materials Center, Kentucky.
- 421768 to 421771. *CYNODON* (hybrid) Poaceae.
421768. Ona Research Center, Hardee County, Florida.
421769. Ona Research Center, Hardee County, Florida.
421770. Ona Research Center, Hardee County, Florida.
421771. 'Coastcross'. Released by Agricultural Research Service, Tifton, Georgia.
- 421772 to 421776. *CYNODON DACTYLON* (L.) Pers. **Bermudagrass.**
421772. Avon Park, Highlands County, Florida.
421773. 'Callie'. Coffeetown, Mississippi.
421774. 'Hardie'. Stillwater, Oklahoma.
421775. 'Midland'. Stillwater, Oklahoma.
421776. 'Oklan'. Stillwater, Oklahoma.
- 421777 and 421778. *CYNODON PLECTOSTACHYUS* (K. Schum.) Pilg. Poaceae.
Stargrass.
421777. J. R. Everett Farm, Lakeand, Polk County, Florida.
421778. Agricultural Research Center, Ona, Hardee County, Florida.
- 421779 to 421781. *DESMODIUM CANUM* (J.F. Gmel.) Schinz & Thell
Fabaceae. **Kaimi-clover.**
421779. East side of U.S. Route 19, 6.4 km east of Weekiwachee Springs, Candler, Florida.
421780. East side of SR Route 441, 3.2 km south of McIntosh, Florida.
421781. Brooksville-Bushnell and vicinity (composite), Florida.
421782. *DESMODIUM* sp. Fabaceae.
Plant Materials Center, Brooksville, Florida, east of irrigation pump-house. Blichton.
421783. *DICHANTHIUM ANNULATUM* (Forsk.) Stapf Poaceae
Diaz bluestem.
Plant Materials Center, Knox City, Texas.
421784. *DICHANTHIUM CARICOSUM* (L.) A. Camus
Foster-Rambie Grass Seed Company, Uvalde, Texas.
- 421785 to 421789. *DIGITARIA* (hybrid) Poaceae.
421785. UFX-46-2. University of Florida, Alachua County, Florida.

421678 to 422162—Continued

421785 to 421789—Continued

421786. UFX-50-1. University of Florida, Alachua County, Florida.
421787. UFX-50-2. University of Florida, Alachua County, Florida.
421788. UFX-510-3. University of Florida, Alachua County, Florida.
421789. UFX-510-4. University of Florida, Alachua County, Florida.
421790. *DIGITARIA* sp.
Experiment, Georgia.
421791. *DIGITARIA* sp.
Plant Materials Center, Arcadia, Florida.
421792. *DIGITARIA* sp.
Plant Materials Center, Arcadia, Florida.
421793. *DIGITARIA* sp.
Old Brooksville Nursery, Brooksville, Florida. Kendrick.
421794. *DIGITARIA* sp.
Northwest junction of SR-329 and 320. Marion County, Florida.
421795. *DIGITARIA* sp.
Plant Materials Center, Brooksville, Florida. Kendrick.
421796. *DISTICHLIS SPICATA* (L.) Greene Poaceae. Seashore saltgrass.
Hernando Beach, Florida. Lacochee.
421797. *ECHINOCHLOA COLONUM* (L.) Link Poaceae Junglerice.
Brevard County, Florida.
421798. *ELAEAGNUS PUNGENS* Thunb. Elaeagnaceae. Thorny elaeagnus.
Plant Materials Center, Americus, Georgia.
- 421799 to 421802. *ELAEAGNUS UMBELLATA* Thunb. Elaeagnaceae.
Autumn olive.
421799. Plant Materials Center, New Jersey.
421800. 'Cardinal'. Big Flats, New York. Released 1961.
421801. National Plant Materials Center, Beltsville, Maryland.
421802. National Plant Materials Center, Beltsville, Maryland.
421803. *ELYMUS VIRGINICUS* L. Poaceae. Virginia wildrye.
Los Lunas, New Mexico.
421804. *ERAGROSTIS CURVULA* (Schrad.) Nees Poaceae.
Weeping lovegrass.
'Ermelo'. Originally from South Africa.
421805. *ERIANTHUS GIGANTEUS* (Walt.) Muhl. Poaceae. Plumegrass.
McDonald's Mines, Hernando County, Florida. Pits.
- 421806 to 421808. *ERNODEA LITTORALIS* Sw. Rubiaceae.
421806. Hobe Sound Beach Wildlife area, Jupiter, Palm Beach County,
Florida.
421807. North of Holiday Inn 1.6 km, Atlantic Beach, Martin County,
Florida.
421808. National Plant Materials Center, Beltsville, Maryland.
421809. *EUONYMUS AMERICANA* L. Celastraceae. Strawberry-bush.
Madison County, Florida.
421810. *EUONYMUS BUNGEANUS* Maxim. Winterberry euonymus.
'Pinklady'. Plant Materials Center, Kansas. Released 1973.

421678 to 422162—Continued

421811. *EUONYMUS RADICANS* Sieb.
Little Rock, Arkansas. Received as *E. radicans* var. *minima*.
421812. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.
Trenton, Gilchrist County, Florida.
421813. *GAYLUSSACIA* sp. Ericaceae.
Sumter County, Florida.
421814. *GAYLUSSACIA* sp.
Bay County, Florida.
421815. *GAYLUSSACIA* sp.
Duval County, Florida. "Highbush."
421816. *GAYLUSSACIA* sp.
Duval County, Florida. "Lowbush."
421817. *GAYLUSSACIA* sp.
Madison County, Florida. "Highbush."
421818. *GAYLUSSACIA* sp.
Madison County, Florida. "Lowbush."
421819. *GAYLUSSACIA* sp.
Madison County, Florida. "Highbush."
421820. *GAYLUSSACIA* sp.
On SR Route 360, 0.4 km south of Hopewell Baptist Church, Madison County, Florida. "Lowbush."
421821. *GLEDITSIA TRIACANTHOS* L. Fabaceae. Honeylocust.
Plant Materials Center, Americus, Georgia.
421822. *GLYCINE* (hybrid) Fabaceae.
'Bobwhite'. Plant Materials Center. Elsberry, Missouri.
- 421823 to 421844. *HELIANTHUS DEBILIS* Nutt. Asteraceae.
421823. Hutchinson Island, Florida.
421824. Martin County, Florida.
421825. North of Jupiter, Martin County, Florida.
421826. South of Stuart, along U.S. Route 1, Martin County, Florida.
421827. Martin County Park, Stuart, Florida.
421828. North of Mainland (sea side), St. Johns County, Florida.
421829. South of Mainland (bay side), St. Johns County, Florida.
421830. South of Mainland (beach side), St. Johns County, Florida.
421831. Flagler Beach, Florida.
421832. Hutchison Island, 0.8 km south of Stuart Beach, Martin County, Florida.
421833. Hutchison Island, 1.2 km south of Stuart Beach, Martin County, Florida.
421834. Hutchison Island, 1.6 km south of Stuart Beach, Martin County, Florida.
421835. Hutchison Island, 2.8 km south of Stuart Beach, Martin County, Florida.
421836. Hutchison Island, 3.2 km south of Stuart Beach, Martin County, Florida.

421678 to 422162—Continued

421823 to 421844—Continued

421837. Hutchison Island, 3.9 km south of Stuart Beach, Martin County, Florida.
421838. Hutchison Island, 0.4 km north of Stuart Beach, Martin County, Florida.
421839. Jensen Beach, Martin County, Florida.
421840. Hobe Sound Public Beach, Martin County, Florida.
421841. South 0.8 km of Jensen Beach, Florida.
421842. South of Daytona, Brevard County, Florida.
421843. Ormond Beach, Volusia County, Florida.
421844. North Smyrna Beach, Brevard County, Florida.
421845. *HELIANTHUS MAXIMILIANII* Schrad. Asteraceae. Sunflower.
Plant Materials Center, Texas.
421846. *HELIANTHUS TUBEROSUS* L. Asteraceae. Jerusalem-artichoke.
Holton Property, Floral City, Citrus County, Florida.
421847. *HELIANTHUS* sp. Asteraceae.
Junction of Routes SR-50 and 491, Hernando County, Florida, Candler.
421848. *HELIANTHUS* sp.
North side of U.S. Route 98, 0.8 km west of U.S. 19, Perry, Taylor County, Florida.
421849. *HYPARRHENIA RUFA* (Nees) Stapf Poaceae. Jaragua grass.
Indian River County, Florida.
421850. *ILEX CASSINE* L. Aquilifoliaceae. Dahoon holly.
On SR Route 597, 0.4 km south of U.S. 41, Pasco County, Florida.
421851. *ILEX CORNUTA* Lindl. & Paxt. Chinese holly.
Lisa Von Borowski, Brooksville, Florida. Micanopy.
- 421852 and 421853. *ILEX DECIDUA* Walt.
421852. Citrus-Hernando County line, 1.6 km southeast of Floral City, Florida. Candler.
421853. Charles Bennett, County Line Road, Istachatta, Hernando County, Florida. Candler.
421854. *ILEX GLABRA* (L.) A. Gray Inkberry.
East of Silver Sands Beach Motel, Bay County, Florida.
- 421855 and 421856. *ILEX OPACA* Ait. American holly.
421855. On SR Route 200, 7.3 km northeast of Withlacoochee River Crossing, Marion County, Florida.
421856. Duval property, Sumter County, Florida.
- 421857 to 421859. *ILEX VOMITORIA* Ait. Yaupon.
421857. Panama City, Bay County, Florida.
421858. On U.S. Route 98, near Big Bend Seafood, Inc., Apalachicola, Franklin County, Florida.
421859. East side of Route A1A, 1.6 km north of Ormond Beach, Volusia County, Florida.
421860. *INDIGOFERA PILOSA* Poir. Fabaceae.
Socrum, Polk County, Florida.

421678 to 422162—Continued

- 421861 and 421862. *IPOMOEA PES-CAPRE* (L.) R. Br. Convolvulaceae.
Beach morning-glory.
421861. Tropical Shores Subdivision, St. Petersburg, Florida.
421862. Cape San Blas, Gulf County, Florida.
421863. *IPOMOEA STOLONIFERA* (Cyrill.) J. F. Gmel.
Seafoam morning-glory.
Hernando High School football field, Hernando County, Florida. Micanopy.
421864. *IPOMOEA* sp.
Hernando Beach, Florida. Udalfic.
421865. *IVA IMBRICATA* Walt. Asteraceae.
On Route A1A, 1.4 km south of Pier, Flagler Beach, Florida.
421866. *JASMINUM MESNYI* Hance Oleaceae. Japanese jasmine.
On east side of U.S. Route 319, south of Tallahassee, Leon County, Florida.
421867. *JUNIPERUS SILICOLA* (Small) Bailey Cupressaceae.
Calhoun County, Florida, via National Plant Materials Center, Beltsville, Maryland.
- 421868 and 421869. *LAGERSTROEMIA INDICA* L. Lythraceae.
Common crape-myrtle.
421868. Port Republic, Maryland.
421869. Port Republic, Maryland.
421870. *LAGUNCULARIA RACEMOSA* (L.) Gaertn. f. Combretaceae.
White mangrove.
Hernando Beach, Florida, Weekiwachee.
421871. *LEPIDIUM VIRGINICUM* L. Brassicaceae. Virginia pepperweed.
Kathleen, Florida.
- 421872 and 421873. *LESPEDEZA CUNEATA* (Dum.) G. Don Fabaceae.
Sericea lespedeza.
421872. KY-520. Plant Materials Center, Kentucky. Originally from Japan. Released January, 1978.
421873. Originally from Okinawa.
421874. *LESPEDEZA DAURICA* (Laxm.) Schindler Bushclover.
Plant Material Center, Elsberry, Missouri.
421875. *LIRIOPE* sp. Lillaceae.
National Plant Materials Center, Beltsville, Maryland.
421876. *LIRIOPE* sp.
National Plant Materials Center, Beltsville, Maryland.
421877. *LIRIOPE* sp.
National Plant Materials Center, Beltsville, Maryland.
- 421878 and 421879. *LONICERA JAPONICA* Thunb. Caprifoliaceae.
Japanese honeysuckle.
421878. North Butler, Georgia.
421879. Croom Road, 1.6 km east of Country Club Entrance, Brooksville, Florida. Arrendo.

421880. *LONICERA* sp. Caprifoliaceae.
 On SR Route 491, 2.4 km north of Brooksville Rock Road, Brooksville, Florida. "Red." Wauchula.
421881. *LUFFA* sp. Cucurbitaceae.
 Don Cottle, Hernando, Florida.
- 421882 and 421883. *LUPINUS ANGUSTIFOLIUS* L. Fabaceae.
 European blue lupine.
421882. On Highway 50, west of Union Park, Orange County, Florida.
421883. Pasco County, Florida.
- 421884 to 421890. *MACROPTILIUM LATHYROIDES* (L.) Urb. Fabaceae.
421884. West 0.8 km of junction of SR Route 595 and U.S. 19, Hernando County, Florida.
421885. James Hearndon Ranch, Cocoa, Brevard County, Florida.
421886. Three km south of Lebanon Station, Levy County, Florida.
421887. Aripeka, Hernando County, Florida.
421888. Junction of Ridgewood and Meade Avenues, Cape Canaveral, Florida.
421889. On SR Route 532, 1.6 km south of SR Route 520, Orange County, Florida.
421890. Plant Materials Center, Brooksville, Florida. Kendrick.
421891. *MALUS SPECTABILIS* (Ait.) Borkh. Rosaceae.
 Chinese flowering crabapple.
 Americus, Georgia.
421892. *MALUS* sp.
 Plant Materials Center, Americus, Georgia.
421893. *MANIHOT ESCULENTA* Crantz Euphorbiaceae. Cassava.
 Mr. Woodard, Bushnell, Florida.
421894. *MESEMBRYANTHEUM CRYSTALLINUM* L. Aizoaceae. Ice-plant.
 Ormond Beach, Volusia County, Florida.
421895. *MIMOSA STRIGILLOSA* Torr. & Gray Fabaceae.
 North end of McKethan Lake, Hernando County, Florida.
 Herbaceous. Florida.
421896. *MORUS RUBRA* L. Moraceae. Red mulberry.
 Plant Materials Center, Brooksville, Florida. Nobleton.
421897. *MYRICA CERIFERA* L. Myricaceae.
 West of J. S. Route 41 and Oak Street, Brooksville, Florida. Nobleton.
- 421898 and 421899. *MYRICA PENNSYLVANICA* Loisel. Myricaceae.
421898. Nags Head, North Carolina.
421899. North Carolina.
421900. *MYRICA* sp.
 Florida.
- 421901 to 421907. *PANICUM AMARULUM* Hitchc. & Chase. Poaceae.
 Shoredune panicum.
421901. Miami, Florida.

421678 to 422162—Continued**421901 to 421907—Continued**

421902. Eight km west of traffic light in Gulf Shores on north side of SR Route 182, Alabama.
421903. Seven to eight km east of Stuart, Martin County, Florida.
421904. Volusia County, Florida.
421905. Hutchison Island, Martin County, Florida.
421906. Selection of P.I. 421136.
421907. Princess Anne, Virginia, via National Plant Materials Center, Beltsville, Maryland.
- 421908 to 421984. **PANICUM AMARUM** ELL. Poaceae. **Bitter panicum.**
421908. South of "House of Refuge" on bay side, Martin County, Florida.
421909. South of "House of Refuge" (coastal dune area), Martin County, Florida.
421910. Hobe Sound Wildlife Refuge (Site 36), Martin County, Florida.
421911. Hobe Sound Wildlife Refuge (Site 7), Martin County, Florida.
421912. Fort Myers Beach, Lee County, Florida.
421913. South of Fort Myers Beach, Lee County, Florida.
421914. Belleair Key, Pinellas County, Florida.
421915. East side of U.S. Route A1A, 0.8 km south of SR-518, Volusia County, Florida.
421916. Ponce Inlet, on U.S. Route A1A, Volusia County, Florida. Plant very robust.
421917. On U.S. Route A1A, 0.4 km north of SR-518, Volusia County, Florida.
421918. Junction of Amsden Road and U.S. Route A1A, Ormond Beach, Volusia County, Florida.
421919. Holiday Beach on the Gulf, Panama City, Bay County, Florida.
421920. Holiday Beach on the Gulf, Panama City, Bay County, Florida.
421921. Cape San Blas, Gulf County, Florida.
421922. Cape San Blas, Gulf County, Florida.
421923. Cape San Blas, Gulf County, Florida.
421924. Panama City Beach, Bay County, Florida.
421925. St. Joe Beach, Florida.
421926. Mexico Beach, Junction of SR Route 386 and U.S. Route 98, Bay County, Florida.
421927. Panama City Beach, Bay County, Florida.
421928. Panama City Beach, Bay County, Florida.
421929. South of the north tip of Estero Island, Fort Myers Beach, Lee County, Florida. Plant very vigorous.
421930. South of the north tip of Estero Island, Fort Myers Beach, Lee County, Florida.
421931. South tip of Estero Island, Lee County, Florida.
421932. South tip of Estero Island, Big Carlos Pass, Lee County, Florida.

421678 to 422162—Continued**421908 to 421984—Continued**

- 421933. West of Big Carlos Pass, Lee County, Florida.
- 421934. South tip of Sanibel, near lighthouse, Lee County, Florida.
- 421935. North 0.4 km of southern tip of Sanibel Island, Lee County, Florida.
- 421936. Near Ramada Inn on Sanibel Island, Lee County, Florida.
- 421937. Sanibel lighthouse, Lee County, Florida.
- 421938. Near Wiggins Pass, 3.2 km north of Bonita Beach, Lee County, Florida.
- 421939. South of Crescent Beach, St. Johns County, Florida.
- 421940. Gasparilla Island, Charlotte County, Florida.
- 421941. Gasparilla Island, Charlotte County, Florida.
- 421942. Gasparilla Island, Charlotte County, Florida.
- 421943. Gasparilla Island, Charlotte County, Florida.
- 421944. Gasparilla Island, Charlotte County, Florida.
- 421945. Gasparilla Island, Charlotte County, Florida.
- 421946. Gasparilla Island, Charlotte County, Florida.
- 421947. Gasparilla Island, Charlotte County, Florida.
- 421948. Gasparilla Island, Charlotte County, Florida.
- 421949. Gasparilla Island, Charlotte County, Florida.
- 421950. Bay County, Florida.
- 421951. Bay County, Florida.
- 421952. Ocracoke, North Carolina.
- 421953. Raleigh, North Carolina.
- 421954. Raleigh, North Carolina.
- 421955. Raleigh, North Carolina.
- 421956. Raleigh, North Carolina.
- 421957. Raleigh, North Carolina.
- 421958. East end of Brant Street, Holley Beach Resort area, south of Hackberry, Louisiana. Palm Beach.
- 421959. East 1.6 km of Surfside, Brazoria County, Texas. Galveston fine sand.
- 421960. East 3.2 km of junction of Highway 332 and County Road 257, Brazoria County, Texas. Galveston fine sand.
- 421961. East 4.8 km of junction of Highway 332 and County Road 257, Brazoria County, Texas. Galveston fine sand.
- 421962. East 6.4 km of junction of Highway 332 and County Road 257, Brazoria County, Texas. Galveston fine sand.
- 421963. East 7.2 km of junction of Highway 332 and County Road 257, Brazoria County, Texas. Galveston fine sand.
- 421964. East 9.6 km of junction of Highway 332 and County Road 257, Brazoria County, Texas. Galveston fine sand.
- 421965. East 11.2 km of junction of Highway 332 and County Road 257, Brazoria County, Texas. Galveston fine sand.

421678 to 422162—Continued

421908 to 421984—Continued

421966. East 12 km of junction of Highway 332 and County Road 257, Brazoria County, Texas. Galveston fine sand.
421967. East 14.4 km of junction of Highway 332 and County Road 257, Brazoria County, Texas. Galveston fine sand.
421968. Coquina Beach, Manatee County, Florida.
421969. Holmes Beach, Manatee County, Florida.
421970. South of Daytona near Ponce Inlet, Volusia County, Florida.
421971. North of New Smyrna Beach, Florida.
421972. Bethune Beach, Brevard County, Florida.
421973. Ponce Inlet, Brevard County, Florida.
421974. South Padre Island, Harlingen, Cameron County, Texas. Sandy dune.
421975. Port Lavaca, Calhoun County, Texas.
421976. Alice, Texas. Coastal dunes.
421977. Alice, Texas. Coastal dunes.
421978. Dade County, Florida.
421979. Charleston County, South Carolina. Sand dunes. Spreading, semidecumbent type.
421980. Charleston County, South Carolina. Sand dunes. Upright type.
421981. Lafourche County, Louisiana. Dune.
421982. Southeast section of old Fort Sreven, Tybee Island, Chatham County, Georgia. Sand dune.
421983. South end of Tybee Island, Chatham County, Georgia. Dune sand.
421984. South end of Jekyll Island, Glynn County, Georgia. Dune sand.
421985. *PANICUM ANCEPS* Michx. Panicgrass.
Pumphouse, Plant Materials Center, Brooksville, Florida. Kendrick.
- 421986 and 421987. *PANICUM ANTIDOTALE* Retz. Blue panicgrass.
421986. Texas A & M University, College Station, Texas.
421987. Texas A & M University, College Station, Texas.
421988. *PANICUM COLORATUM* L. Kleingrass.
Arizona, via National Plant Materials Center, Beltsville, Maryland.
421989. *PANICUM GEMINATUM* Forsk. Panicgrass.
South side of Indian Reservation, Highway 721, Brighton, Highlands County, Florida.
421990. *PANICUM HAVARDII* Vasey
Plant Materials Center, Texas.
- 421991 to 421994. *PANICUM HEMITOMON* Schult. Maidencane.
421991. White Belt Dairy, Martin County, Florida.
421992. On south side of SR Route 80, 11.2 km east of LaBelle, Hendry County, Florida.

421678 to 422162—Continued

421991 to 421994—Continued

421993. Stage Pond, off Road 480, Citrus County, Florida.

421994. Just south of Hillsborough County line, east side of U.S. Route 301, Florida.

421994 and 421996. *PANICUM MAKARIKARIENSE* (Goss.) Van Rensb.

Panicgrass.

421995. Plant Materials Center, Brooksville, Florida. Kendrick.

421996. Plant Materials Center, Brooksville, Florida. Kendrick.

421997. *PANICUM MAXIMUM* Jacq.

Guineagrass.

PR-6439. Puerto Rico College Museum, via Agricultural Experiment Station, Mayaguez, Puerto Rico.

421998. *PANICUM MILIACEUM* L.

Proso millet.

Citrus County, Florida.

421999 to 422016. *PANICUM VIRGATUM* L.

Switchgrass.

421999. Pangburn, Arkansas.

422000. Wabasso, Florida.

422001. Stuart, Martin County, Florida.

422002. LaGrange, Texas.

422003. Hallettsville, Texas.

422004. Goliad, Texas.

422005. George West, Texas.

422006. George West, Texas.

422007. West Palm Beach, Florida.

422008. Fort Pierce, Florida.

422009. Miami, Florida.

422010. Plant Materials Center, Coffeerville, Mississippi.

422011. Ticktock Restaurant, Bartow, Polk County, Florida.

422012. Tyndall Air Force Base, Panama City, Florida

422013. On SR Route 44, just west of Salt River Bridge, Crystal River, Florida.

422014. M. F. Taylor's property, 1.6 km north of Alabama-Georgia line.

422015. M. F. Taylor's property, 1.6 km north of Alabama-Georgia line.

422016. Selection from P.I. 209168.

422017 to 422020. *PARTHENOCISSUS QUINQUEFOLIA* (L.) Planch. Vitaceae.

Virginia-creeper.

422017. Folly Beach, South Carolina.

422018. Lil Champ Feed Store, U.S. Route 441, McIntosh, Marion County, Florida.

422019. St. Petersburg Beach, 0.4 km west of junction of U.S. Route 10 and 54 Avenue (south), Florida.

422020. Americus, Georgia.

422021. *PASPALUM HIERONYMII* Hack. Poaceae.

Plant Materials Center, Hawaii.

422022. *PASPALUM MONOSTACHYUM* Vasey ex Chapm. Poaceae.

Kleberg County, Texas.

421678 to 422162—Continued

422023. *PASPALUM NICORAE* Parodi Brunswickgrass.
Plant Materials Center, Brooksville, Florida. Kendrick.
422024. *PASPALUM NOTATUM* var. *SAURAE* Parodi
Jacksonville, Florida.
- 422025 to 422027. *PASPALUM VAGINATUM* Sw.
422025. Belleair Key, Pinellas County, Florida.
422026. The Battery, Bayport, Hernando County, Florida. Udalfic.
422027. House of Refuge, Stuart, Martin County, Florida.
422028. *PERSEA BORBONIA* (L.) Spreng. Lauraceae. Bedbay.
Plant Materials Center, Americus, Georgia.
- 422029 to 422031. *PHALARIS ARUNDINACEA* L. Poaceae. Reed canarygrass.
422029. St. Louis, Missouri.
422030. 'Ioreed'. Elsberry, Missouri. Released 1964 by Soil Conservation Service Nursery, Ames, Iowa.
422031. 'Auburn'. Elsberry, Missouri.
422032. *PHLOX DRUMMONDII* Hook. Polemoniaceae.
Plant Materials Center, Brooksville, Florida.
422033. *PHLOX* sp.
Highway 24, 6.4 km west of junction of SR Routes 121 and 24, Gainesville, Florida.
422034. *PHLOX* sp.
Pasco County, Florida.
422035. *PHLOX* sp.
On U.S. Route 441, 4.8 km east of Mt. Dora, Lake County, Florida.
422036. *PHLOX* sp.
East side of Highway 17, 24 km north of De Land, Volusia County, Florida.
422037. *PHLOX* sp.
Near Kathleen, Polk County, Florida.
422038. *PHLOX* sp.
Plant Materials Center, Brooksville, Florida. Kendrick.
422039. *PHLOX* sp.
Plant Materials Center, Brooksville, Florida. Kendrick. Plant large, strong. Flowers dark pink with well-defined red star center.
422040. *PHLOX* sp.
Plant Materials Center, Brooksville, Florida. Kendrick. Flowers dark pink with well-defined red star center.
422041. *PHLOX* sp.
Plant Materials Center, Brooksville, Florida. Kendrick. Flowers pink, irregular, with red star.
422042. *PORTULACA* sp. Portulacaceae
The Battery, Bayport, Hernando County, Florida. Udalfic.
- 422043 to 422046. *PRUNUS AMERICANA* Marsh. Rosaceae. American plum.
422043. C. J. Stokes, 1 km southwest of Inverness Country Club, Citrus County, Florida.

421678 to 422162—Continued**422042 to 422046—Continued**

422044. Plant Materials Center, Brooksville, Florida. Kendrick. Blossoms pink.
422045. Tomoka Lookout Tower, between DeLand and Daytona Beach, Volusia County, Florida.
422046. Sanford Avenue, south of Myrtle Street, Seminole County, Florida.
- 422047 and 422048. *PRUNUS CAROLINIANA* Ait. Caroline cherry-laurel.
422047. South side of U.S. Route 27, junction of SR-S-354A, Lafayette County, Florida.
422048. R.T. Taylor, Brooksville, Florida. Kendrick.
422049. *PRUNUS* sp.
Chinsegut Hill, Hernando County, Florida. Kendrick.
422050. *PRUNUS* sp.
Nature Center, U.S. Route 41, Hernando County, Florida. Arredondo.
422051. *PYROSTEGIA IGNEA* (Vell.) Presl Bignoniaceae.
On SR Route 44, 6.4 km east of Leesburg, Florida.
422052. *QUERCUS LAURIFOLIA* Michx. Fagaceae.
Fort Myers, Lee County, Florida.
- 422053 to 422065. *QUERCUS MICHAUXII* Nutt.
422053. East of U.S. Route 98, 0.8 km north of Yontz Road, Brooksville, Florida. Nobleton.
422054. Southeast 0.4 km of railroad crossing, Hernando County, Florida. Blichton.
422055. Southeast 0.4 km of railroad crossing, Hernando County, Florida. Blichton.
422056. West side of U.S. Route 98, 2 km south of Junction 476, Hernando County, Florida. Wauchula.
422057. East of U.S. Route 98, 2.3 km south of Junction 476, Hernando County, Florida. Wauchula.
422058. Seven km southeast of Lee, Madison County, Florida.
422059. Studstill Homesite, Greenville, Madison County, Florida.
422060. Kingwood Park Subdivision, Brooksville, Florida. Blichton.
422061. East Avenue, Brooksville, Florida. Homosassa.
422062. Southwest corner of Robert Hanlon property, Hernando County, Florida. Arredondo.
422063. East Avenue, Brooksville, Florida. Acorns large. Homosassa.
422064. Jerald Evans, Southway Estates, Brooksville, Florida.
422065. Sixteen km inland from ocean, 0.4 km south of St. Mary's River, Nassau County, Florida.
422066. *QUERCUS MYRSINAEFOLIA* Blume
Chinsegut Hill, Brooksville, Florida. Kendrick.
422067. *QUERCUS PUMILA* Walt.
Waycross, Georgia.
- 422068 and 422069. *RHIZOPHORA MANGLE* L. Rhizophoraceae. Mangrove.

421678 to 422162—Continued

422068 and 422069—Continued

422068. Junction of Ridgewood and Mead Avenues, Cape Canaveral, Florida.
422069. Hernando Beach, Hernando County, Florida. Laccochee.
- 422070 to 422080. *RHYNCHELYTRUM REPENS* (Willd.) C. E. Hubb. Poaceae. Natalgrass.
422070. Pearsall, Texas.
422071. On SR Route 50, east of Clermont, Lake County, Florida.
422072. Corner of S-44A and Blackwater Road, Lake County, Florida.
422073. On SR Route 44, 2 km east of Lisbon, Lake County, Florida.
422074. On SR Route 484, 4.3 km east of Belleview, Florida, open field.
422075. On SR Route 40, 2 km east of SR-314A, Lake County, Florida.
422076. Lake Norris Road, Lake County, Florida.
422077. Highlands County, Florida.
422078. North side of SR Route 40, 1.4 km east of Forest Road 79, Marion County, Florida.
422079. Lake Bryant Shores Road, Marion County, Florida.
422080. Croom area, Hernando County, Florida. Lake.
422081. *RUBUS IDAEUS* var. *STRIGOSUS* (Michx.) Maxim. Rosaceae. American red raspberry.
North Howell Avenue, Brooksville, Florida. Nobleton.
422082. *SAPIUM SEBIFERUM* (L.) Roxb. Euphorbiaceae. Tallow-tree.
Tremont Avenue, Brooksville, Florida. Micanopy.
422083. *SASSAFRAS ALBIDUM* (Nutt.) Nees Lauraceae. Sassafras.
On U.S. Route 27, 3.2 km east of Tallahassee, Leon County, Florida.
422084. *SCAEVOLA PLUMIERI* (L.) Vahl. Goodeniaceae.
Jupiter Island, Martin County, Florida.
422085. *SENECIO CONFUSUS* (DC.) Britten Asteraceae.
Northeast of West Palm Beach, Florida.
422086. *SETARIA* sp. Poaceae.
Nixon property, Jupiter Farms Road, West Jupiter, Palm Beach County, Florida.
422087. *SEVERINA BUXIFOLIA* (Poir.) Ten. Rutaceae.
R. Clardy, junction of U.S. Route 41 and SR-476, Hernando County, Florida. Arredondo.
422088. *SMILAX* sp. Liliaceae.
Cape San Blas, Gulf County, Florida.
422089. *SORGHASTRUM NUTANS* (L.) Nash Poaceae. Indiangrass.
East side of old Velda Farm, Centerville, Leon County, Florida.
- 422090 to 422093. *SORGHASTRUM SECUNDUM* (Ell.) Nash ex Small
422090. U.S. Route 41 from Gowers Corner to Lutz, Pasco County, Florida.
422091. Ona, Hardee County, Florida.
422092. Shroder, Palmetto, Manatee County, Florida.
422093. Nature trail behind Dam Mill, Gold Head Branch State Park, Florida.

421678 to 422162—Continued

422094. *SORGHUM BICOLOR* (L.) Moench Poaceae. Sorghum.
East of S-485 and SR-50 junction, Hernando County, Florida. Candler.
- 422095 and 422096. *SORGHUM HALEPENSE* (L.) Pers. Johnsongrass.
422095. Foster-Rambie Grass Seed Company, Uvalde, Texas.
422096. East of Johnston Road and SR-581 junction, Pasco County, Florida.
- 422097 to 422100. *SPARTINA ALTERNIFLORA* Loisel. Poaceae. Smooth cordgrass.
422097. Causeway on SR-520, Cocoa Beach, Cocoa, Florida.
422098. Martin County, Florida.
422099. St. Johns County, Florida.
422100. North of fishing dock, west side of SR-50, Hernando County, Florida. Homosassa.
- 422101 to 422121. *SPARTINA PATENS* (Ait.) Muhl. Salt-meadow cordgrass.
422101. Lake Charles, Louisiana.
422102. Cameron County, Louisiana.
422103. Pauley's Island, South Carolina.
422104. McIntosh County, Georgia.
422105. Glynn County, Georgia
422106. Baldwin County, Alabama.
422107. Duval County, Florida.
422108. Duval County, Florida.
422109. Plant Materials Center, Americus, Georgia.
422110. Aransas County, Texas.
422111. Iberia County, Louisiana.
422112. Terrebonne County, Louisiana.
422113. Abbeville, Louisiana.
422114. Plant Materials Center, Texas.
422115. Plant Materials Center, Texas.
422116. Bimini LP Road, Bayport, Hernando County, Florida.
422117. Near end of causeway, Bayport, Hernando County, Florida.
422118. East side of SR Route 595, Aripeka, Pasco County, Florida.
422119. East side of SR Route 595, Aripeka, Pasco County, Florida.
422120. Along U.S. Route A1A, Ponce Inlet, Florida.
422121. Crawford Road ramp, New Smyrna Beach, Volusia County, Florida.
422122. *SPARTINA* sp.
Cape San Blas, Gulf County, Florida.
- 422123 to 422125. *TOURNEFORTIA GNAPHALODES* (L.) R. Br. Boraginaceae.
422123. Hutchison Island, 0.8 km south of Holiday Inn (Jensen Beach), NE Stuart, Martin County, Florida.
422124. Near pier, 1.6 km south of Lake Worth, Palm Beach County, Florida.

421678 to 422162—Continued

422123 to 422125—Continued

422125. Hutchison Island, Martin County, Florida.
- 422126 to 422129. *TRIBULUS TERRESTRIS* L. Zygophyllaceae. **Puncture-vine.**
422126. Beach, northeast of Eau Gallie, on U.S. A1A Brevard County, Florida.
422127. Hutchison Island, Martin County, Florida.
422128. Jupiter Island, Martin County, Florida.
422129. Martin County, Florida.
422130. *TRIFOLIUM HYBRIDUM* L. Fabaceae. **Alsike clover.**
Plant Materials Center, Brooksville, Florida. Kendrick.
422131. *TRIPSACUM FLORIDANUM* Porter ex Vasey Poaceae.
West 12.6 km of SR Routes 512 and 60 junction, Indian River County, Florida.
- 422132 to 422144. *UNIOLA PANICULATA* L. Poaceae. **Sea-oats.**
422132. Belleair Key, Pinellas County, Florida.
422133. U.S. Route A1A, Ponce Inlet, Florida.
422134. U.S. Route A1A, 1.6 km south of Ormond Beach Plaza, Volusia County, Florida.
422135. U.S. Route A1A, 0.8 km north of SR-518 (Melbourne), Florida.
422136. Florida.
422137. Cape San Blas, Gulf County, Florida.
422138. Cape San Blas, Gulf County, Florida.
422139. Sand Key, Clearwater Beach, Pinellas County, Florida.
422140. Sand Key, Clearwater Beach, Pinellas County, Florida.
422141. North edge of Aqua Theater parking lot, St. Peterburg Beach, Florida.
422142. Plant Materials Center, Brooksville, Florida. Kendrick.
422143. Plant Materials Center, Brooksville, Florida. Kendrick.
422144. Plant Materials Center, Brooksville, Florida. Kendrick.
422145. *VACCINIUM* sp. Ericaceae.
East of SR-19, 24 km north of Altoona, Lake County, Florida.
422146. *VACCINIUM* sp.
Calhoun County, Florida. Albany.
422147. *VACCINIUM* sp.
Calhoun County, Florida. Troup.
422148. *VACCINIUM* sp.
Calhoun County, Florida. Albany.
422149. *VACCINIUM* sp.
Calhoun County, Florida. Albany.
422150. *VACCINIUM* sp.
Cary State Forest, Duval County, Florida.
422151. *VIBURNUM SCABRELLUM* (T. & G.) Chapm. Caprifoliaceae.
Plant Materials Center, Brooksville, Florida. Kendrick.
- 422152 and 422153. *VIGNA MARINA* (Burm.) Merr. Fabaceae.

421678 to 422162—Continued**422152 and 422153—Continued**

422152. Marine Science Laboratory, Pasco County, Florida.

422153. Jetty Park, Cape Canaveral, Florida.

422154. VIGNA sp. Fabaceae.

Old Crystal River Road, Brooksville, Florida.

422155. VIGNA sp.

Tomoka, west of Daytona Beach, Florida.

422156. VIGNA sp.

Citrus County, Florida.

422157. VITIS sp. Vitaceae.

Calhoun County, Florida.

422158. WEDELLIA sp. Asteraceae.

Orange County, Florida.

422159. WEDELLIA sp.

Florida.

422160. ZAMIA INTEGRIFOLIA Ait. Cycadaceae.

Grounds of Labor Department Building, Gainesville, Florida.

422161. ZAMIA sp.

Astor, Lake County, Florida.

422162. ZEA MAYS subsp. MEXICANA (Schrud.) Iltis Poaceae. Teosinte.

Tall Timbers, Tallahassee, Florida.

422163 to 422202.

From Czechoslovakia. Seed presented by Institute of Genetics and Plant Breeding, Department of Genetic Resources, Prague-Ruzyně. Received November 21, 1977.

422163 and 422164. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

422163. 'Oranz'. Czechoslovakia.

422164. 'Solartur'. Czechoslovakia.

422165 to 422200. CUCUMIS SATIVUS L. Cucumber.

422165. 'Arla'. Netherlands. Slicing type.

422166. 'Bitspot'. F₁. Netherlands. Slicing type.

422167. 'Burgostan Origineel'. Netherlands. Slicing type.

422168. 'Danoks'. F₁. Netherlands. Pickling type.

422169. 'Delikates'. Czechoslovakia. Slicing type.

422170. 'Diletol'. Netherlands. Pickling type.

422171. 'Epram'. F₁. Netherlands. Pickling type.422172. 'Eprix'. F₁. Netherlands. Pickling type.422173. 'Epros'. R₁. Netherlands. Pickling type.

422174. 'Fablo'. Netherlands. Pickling type.

422175. 'Factum'. F₁. Netherlands. Slicing type.

422176. 'Fakor Mix'. Netherlands. Pickling type.

422177. 'Fenix'. Netherlands. Slicing type.

422178. 'Groespot'. Netherlands. Slicing type.

422163 to 422202—Continued**422165 to 422200—Continued**

- 422179. 'Hokus'. Netherlands. Pickling type.
- 422180. 'Hyclos Mix'. Netherlands. Pickling type.
- 422181. 'Jedinecna'. Czechoslovakia. Slicing type.
- 422182. 'Kobus Mix'. Netherlands. Pickling type.
- 422183. 'Koravo'. F₁. Netherlands. Pickling type.
- 422184. 'Nejlepsi ze Vsech'. Czechoslovakia. Slicing type.
- 422185. 'Nimbus'. Netherlands. Pickling type.
- 422186. 'Numerus'. Netherlands. Pickling type.
- 422187. 'Pariffin'. F₁. Netherlands. Pickling type.
- 422188. 'Parico'. F₁. Netherlands. Pickling type.
- 422189. 'Pariferno'. Netherlands. Pickling type.
- 422190. 'Parimax Mix'. F₁. Netherlands. Pickling type.
- 422191. 'Plento'. Netherlands. Pickling type.
- 422192. 'Reforma'. Czechoslovakia. Slicing type.
- 422193. 'Sarina'. Netherlands. Slicing type.
- 422194. 'Telespot'. F₁. Netherlands. Slicing type.
- 422195. 'Tetra'. Netherlands. Slicing type.
- 422196. 'Toky'. Netherlands. Slicing type.
- 422197. 'Unikat'. Czechoslovakia. Slicing type.
- 422198. 'Vorifin Mix'. Netherlands. Pickling type.
- 422199. 'Witlo'. Netherlands. Pickling type.
- 422200. 'Zidovicka Produkta'. Czechoslovakia. Slicing type.
- 422201 and 422202. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**
- 422201. 'Montpellier'. France.
- 422202. 'Nabab'. France.

422203. NYMPHAEA MACULATA Schum. & Thonn.**Nymphaeaceae.**

From France. Seed presented by Jardin Botanique de L'Universite Louis Pasteur, Strasbourg. Received January 31, 1978.
2398.

422204 to 422215. ORYZA SATIVA L. Poaceae.**Rice.**

From Morocco. Seed presented by B. Sali, Chief, Station Centrale des Cereales de Printemps, Ministry of Agriculture, Rabat. Received November 21, 1977.

- 422204. Dans-I × T. France.
- 422205. H.S.-56. Taiwan.
- 422206. Marstelli. Italy.
- 422207. Nahda. Egypt.
- 422208. Patna. Gharb, Morocco.
- 422209. Razza 82. Portugal.
- 422210. Rinaldo de Bersani. Italy.

422204 to 422215—Continued

422211. Sesia. Portugal.
 422212. Stirpe 82. Italy.
 422213. Triomphe. Gharb, Morocco.
 422214. Varyla. Madagascar.
 422215. 170/15. Egypt.

422216 to 422217. ILEX (hybrid) Aquifoliaceae.

From United States. Plant selections made by W. F. Kosar at the United States National Arboretum, Washington, D. C. Numbered February 17, 1978.

422216. N.A. 28314. Fruit large, red, early maturing. Leaves evergreen with fine, soft spines. Originated in 1957 from N.A. 6163 *I. ciliospinosa* × N.A. 8198 (*I. aquipernyi*).
 422217. N.A. 29739. Deciduous, upright shrub. Leaves intermediate between parent species. Male selection as a pollinator for P.I. 378149 to which it is a sibling. Originated in 1961 from N.A. 11876 (*I. serrata*) × GE 685 (*I. verticillata*). Hardiness 5A on USDA Plant Hardiness Zone map.

422218. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.

From Israel. Seed presented by Esra Galun, The Weizmann Institute, Department of Plant Genetics, Rehovot. Received January 30, 1978.

'WIS-248'. Single dominant gene for resistance to Fusarium wilt isolates common in Israel.

422219 to 422220.

From Japan. Seed presented by Minoru Takabayashi, Central Agricultural Experiment Station, Anai, Kitamoto Saitama. Received January 25, 1978.

422219. ARALIA CORDATA Thunb. Araliaceae. Udo.
 422220. PANAX PSEUDOGINSENG Wall. Araliaceae. Ginseng.

422221 to 422224. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From England. Seed presented by I. R. Cubitt, Rothwell Plant Breeders Limited, Rothwell, Lincoln. Received December 30, 1977.

422221. 'Aquila'. Winter type.
 422222. 'Armada'. Winter type.
 422223. 'Corin'. Winter type.
 422224. 'Waggoner'. Winter type.

422225 to 422236.

From Yemen. Indigenous seed collected by D. M. Stewart, Agency for International Development, American Embassy, Sana'a. Numbered February 17, 1978.

- 422225 to 422233. HORDEUM VULGARE L. Poaceae. Barley.
 422225. Agency for International Development grounds, Sana'a. Original seed from Saana suq. Two-rowed.
 422226. Field, Turbah. Two rowed.

422225 to 422236—Continued**422225 to 422233—Continued**

422227. Field, Turbah. Two rowed.
 422228. Field between Taiz and Turbah. Two rowed.
 422229. Field, Samara. Two rowed.
 422230. Field, Vaculcamony. Two rowed.
 422231. Sana'a. Volunteer plant. Two rowed.
 422232. Suq, Sana'a. Two rowed.
 422233. Field, Bir Al Gahum (near Sana'a). Two rowed.
 422234 to 422236. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**
 422234. Field west of Agency for International Development grounds, Sana'a.
 422235. Field, Yarim.
 422236. Field, Bir Al Gahum (near Sana'a).

422237 to 422240. ZEA MAYS L. Poaceae. Corn.

From Mexico. Seed collected December 1977 by B. J. Westman, Manitou Mining Company, Las Vegas, Nevada. Numbered February 17, 1978.

422237. Santo Begas' residence, Rancho Cerricito (7 km east of El Cajon de Cancio, 20 km northeast of Choix), Northern Sinola. Elevation 900 m. Kernels white.
 422238. Santo Begas' residence, Rancho Cerricito (7 km east of El Cajon de Cancio, 20 km northeast of Choix), Northern Sinola. Elevation 900 m. Kernels yellow.
 422239. Santo Begas' residence, Rancho Cerricito (7 km east of El Cajon de Cancio, 20 km northeast of Choix), Northern Sinola. Elevation 900 m. Kernels blue.
 422240. Santo Begas' residence, Rancho Cerricito (7 km east of El Cajon de Cancio, 20 km northeast of Choix), Northern Sinola. Elevation 900 m. Kernels yellow, small.

422241. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Canada. Seed presented by R. C. Roy, Crop Science Department, Ontario Agricultural College, University of Guelph, Ontario. Received January 23, 1978.

'Delhi'. Spanish type.

422242. GUIZOTIA ABYSSINICA (L.f.) Cass. Asteraceae. Niger-seed.

From United States. Seed presented by W. S. Wagner, Wagner Brothers Feed Corporation, Farmingdale, New York. Received December 8, 1977.

Originally from India.

422243 to 422245. ORYZA SATIVA L. Poaceae. Rice.

From Malaysia. Seed presented by Malaysian Agricultural Research and Development Institute, Kuala Lumpur. Received January 5, 1978.

422243. SM I.
 422244. SM II.
 422245. PM I.

422246 to 422249. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Mexico. Seed presented by W. F. Lehman, Imperial Valley Field Station, El Centro, California. Received December 16, 1977.

422246. An ecotype adapted to the alfalfa zone of Puebla state. Known locally as Atlixsco.

422247. An ecotype originally from the region of San Miguelito, Guanajuato state, and adapted to the alfalfa zone of El Bajío state. Known locally as San Miguelito.

422248. An ecotype adapted to the alfalfa zone of Tlaxhuato state. Known locally as Tlaxhuato.

422249. An ecotype originally collected from Valle Central and adapted to the alfalfa zone of Oaxaca state. Known locally as Oaxaquena.

422250. ELYMUS PABOANUS Claus Poaceae.

From Union of Soviet Socialist Republics. Seed presented by Y. K. Cherepanov, Leader, Research and Technology Working Groups, Ministry of Agriculture, Orlikov Pereulik, Moscow. Received December 23, 1977. Mountain steppe, Tian-Shan, Central Asia.

422251. ORYZA SATIVA L. Poaceae. Rice.

From India. Seed presented by Director, National Bureau of Plant Genetic Resources, New Delhi. Received December 4, 1977. CRM-13-3241.

422252 to 422257.

From Australia. Cuttings presented March 1977 by R. M. Withers, Hawthorn, Victoria. Numbered February 21, 1978.

422252. RHODODENDRON ATROPURPUREUM Sleum. Ericaceae.
191.

422253. RHODODENDRON CHRISTIANAE Sleum.
247.

422254. RHODODENDRON JASMINIFLORUM Hook.
136.

422255. RHODODENDRON JASMINIFLORUM var. PUNCTATUM Ridley

422256. RHODODENDRON JAVANICUM (Blume) Benn.
225.

422257. RHODODENDRON LONGIFLORUM Lindl.
250.

422258 to 422323.

From Egypt. Seed of the Sixth Preliminary Observation Nursery (PON)-1976-77 presented by E. E. Saari, Arid Lands Agricultural Development Program, Ford Foundation, Cairo. Numbered January 27, 1978.

422258 to 422271. × TRITICOSECALE Wittm. Poaceae. **Triticale.**

422258. Arm 'S' (X308-27y-11Om-On).

422259. Beagle 'S' (X1530A-12m-3y-3m-1y-Om-Oy).

422260. Drira (X7110-1n-37m-On-100y-Oy).

422261. FS 1534 (In-Om-Oy).

422258 to 422323—Continued

422258 to 422271—Continued

- 422262. Inia-Arm 'S' (X1648-1n-4m-Oy).
- 422263. Joco 'R' (X1648-2n-1m-Oy).
- 422264. Kla.
- 422265. M2A (X2802-41n-1m-1n-2m-1y-1m-1y-0m-Oy).
- 422266. M2A-1A (X7249-20m-1y-3m-Oy).
- 422267. M2A × 2802-41n-1m-1n-5m-1y-1m-Oy.
- 422268. Maya II-Arm 'S' × 2802-38n-5m-6n-6m-Oy-1m-1y-0m.
- 422269. Rahum.
- 422270. 1A (X1648-On-2m-Oy).
- 422271. 1A (X1648-5n-2m-Oy-2b-Oy).

422272 to 422301. TRITICUM AESTIVUM L. Poaceae. Common wheat.

- 422272. AH-15.
- 422273. Alondra 'S' (CM 11683-A-1y-1m-3y-11m-Oy).
- 422274. AW-2.
- 422275. Berk-Oui.
- 422276. Brant 'S' AL 'S' (D31695-31-OL).
- 422277. Cocorit 71.
- 422278. Darius.
- 422279. Drira.
- 422280. HI-385.
- 422281. HI-524.
- 422282. HI-588.
- 422283. HI-617.
- 422284. HP-2189.
- 422285. Huelquen.
- 422286. HY-65C.
- 422287. Maristella.
- 422288. Maya II-Tel 'S'
- 422289. Moghrebi 72 (D26842-21Y-3M-OY).
- 422290. MP-157.
- 422291. MP-160.
- 422292. MP-193.
- 422293. NP-401.
- 422294. NP-818.
- 422295. Quilafen (D672-12A-7A-OA).
- 422296. Ranjaja 12.
- 422297. Sincape 90.
- 422298. Stacat-Cofen (R67/203-1B-1D-3D-1D-OH).
- 422299. Taganrog Buck Balcarse.
- 422300. UP 114.
- 422301. Vers 8-1.

422258 to 422323—Continued

- 422302 to 422323. TRITICUM DURUM Desf. Poaceae. Durum wheat.**
422302. Avetoro 'S'.
 422303. Chap-21563 (D25665-6M-2Y-1M-OY).
 422304. Cormorant 'S' (CM 2999-49y-4m-3y-Om).
 422305. Dicle 74.
 422306. Durum variety 24.
 422307. Essai P.
 422308. Gaviota 'S' (D31725-3m-13y-2m-Oy).
 422309. Gediz 75.
 422310. Jori C 69.
 422311. Macs-8.
 422312. Macs-45.
 422313. Maghrebi (D26842-21y-3m-Oy).
 422314. Petrel 'S' (CM601-500m-500y-500m-Oy).
 422315. Plover 'S' (CD2756-501m-Oy-5b).
 422316. Rabi-31810 (CM10172-37m-Oy-2y).
 422317. Rabi-Rg 'S' (CM-10162-76m-Oy).
 422318. Rabi 'S'-31810 (CM10172-44M-Oy).
 422319. Ruff-Fg 'S' (CM9880-25m-1y-1m-1y).
 422320. Ruff 'S' (D27572-20m-3y-3m-1y-Om).
 422321. S15-Cr 'S' (D33312-8y-4m-2y-Om).
 422322. Snipa 'S' (CM13414-1y-2m-Oy).
 422323. Snipa 'S' (CM13414-1y-3m-Oy).

422324 to 422329. HORDEUM VULGARE L. Poaceae. Barley.

From France. Seed presented by L. Jestin, Institut National de la Recherche Agronomique, Domaine de Crouelle, Clermont-Ferrand. Numbered January 26, 1977.

422324. FTA 58.5 (Fida × Triple Awn Lemma × Aurore). Natural mutant or segregant from an open pollination. Two-rowed, spring type.
 422325. L.16 ((Golden Promise × FTA 58-5) 106 × (Krasnodar × Platen 49) 46). Two-rowed, semidwarf. Winter type.
 422326. L.45 (FTA 58-5 × Malta). Two rowed, semidwarf. Winter type.
 422327. L.93 ((FTA 58-15 × Blanco Mariout) × Mamie). Early, semidwarf. Two rowed. Spring type.
 422328. L.106 (Golden Promise × FTA 58-5). Semidwarf with two dwarfing genes. Two rowed, spring type.
 422329. PA 468 (Platen 49 × Ager). Six-rowed, winter type.

422330 and 422331. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From France. Seed presented by M. Trottet, Institut National de la Recherche Agronomique, Domaine de la Motte-Au-Vicomte, Le Rheu. Numbered January 27, 1978.

422330 and 422331—Continued

422330. 'Roazon'. Winter type derived from 'VPM' × 'Moisson'. Resistant to *Cercospora herpotrichoides*, eyespot, yellow rust and leaf rust. Moderate resistance to *Septoria nodorum*.

422331. VPM 1.1.1.2.R.4.1.8.3.10.12.11. Winter type. Resistant to *Cercospora herpotrichoides* and eyespot.

422332 to 422334. PAPAVER SOMNIFERUM. L. Papaveraceae.**Opium poppy.**

From Spain. Seed presented by O. Aguar, Direccion General de Sanidad, Madrid. Numbered February 2, 1978.

422332. UNL 364. Lerida. Seed blue.

422333. UNL 365. Tortosa. Flowers violet. Seed blue.

422334. UNL 366. Tortosa. Flowers red. Seed blue.

422335. PAPAVER SOMNIFERUM L. Papaveraceae.**Opium poppy.**

From Egypt. Seed presented by H. E. Hakim, Under Secretary, General Administration of Pharmacy, Ministry of Health, Cairo. Numbered February 24, 1978.

UNL 374. Upper Egypt. Seed blue.

422336 to 422345. PAPAVER SOMNIFERUM L. Papaveraceae.**Opium poppy.**

From Hungary. Seed presented by P. Tetenyi, Institut de Recherche sur les Plantes Medicinales, Jozsef Attila, Budakalasz. Numbered February 24, 1978.

422336. UNL 354. Tapioszele. Seed blue.

422337. UNL 355. Tizsakurt. Seed blue.

422338. UNL 356. Hodoscsepany. Seed blue.

422339. UNL 357. Toalmas. Seed blue.

422340. UNL 358. Szentmartonkata. Seed blue.

422341. UNL 359. Kiskufelegyhaza. Seed blue.

422342. UNL 360. Nagykallo. Seed blue.

422343. UNL 361. Farnos.

422344. UNL 362. Karancskeszzi.

422345. UNL 363. Ludanyhalasz.

422346. GLYCERIA sp. Poaceae.

From Ireland. Seed presented by P. Hayes, Department of Agricultural Botany, Queen's University of Belfast, Agriculture and Food Science Center, Belfast. Numbered March 2, 1978.

422347. VITIS VINIFERA L. Vitaceae.**European grape.**

From South Africa. Cuttings presented March 1975 by C. Orffer, University of Stellenbosch. Numbered January 20, 1978.

'South African Riesling'.

422348 to 422362.

From Spain. Cuttings presented February 1976 by T. P. Ogier, Gonzalez, Byass and Company, Ltd., Jerez de la Frontera. Numbered January 20, 1978.

422348 to 422357. VITIS VINIFERA L. Vitaceae. European grape.

422348. 'Palomino Fino'. CB 5F 10-9.

422349. 'Palomino Fino'. CB 5F 12-56.

422350. 'Palomino Fino'. CB 5F 17-4.

422351. 'Palomino Fino', SA 3A 12-4.

422352. 'Palomino Fino'. SA 3A 41-38.

422353. 'Palomino Fino Peluson'. LP XI-8.

422354. 'Palomino Jerez'. CB 5F 6-57.

422355. 'Palomino Jerez'. CN IOI 13-13.

422356. 'Palomino Jerez'. SA 4A 42-19.

422357. 'Palomino Jerez Basto'. SA 3A 19-30.

422358 to 422362. VITIS (hybrid).

422358. 'Millardet et de Grasset 41-B'. LP c.1. *V. vinifera* × *V. berlandieri*.

422359. 'Millardet et de Grasset 41-B'. LP c.5. *V. vinifera* × *V. berlandieri*.

422360. 'Millardet et de Grasset 13-5'. LP c.10 9-13 *V. berlandieri* EVEX. Descendencia por se milla de Berlandieri Ressegier No. 2.

422361. 'Millardet et de Grasset 19-62'. MOD c.3. *V. berlandieri* × *V. vinifera* desconocida.

422362. 'Millardet et de Grasset 19-62'. MOD c.9. *V. berlandieri* × *V. vinifera* desconocida.

422363 to 422365. VITIS VINIFERA L. Vitaceae.

European grape.

From France. Cuttings presented May 1976 by M. C. Valat, Association Nationale Technique Pour l'Amelioration de la Viticulture, Domaine de l'Espiguette. Numbered January 24, 1978.

422363. 'Jurancon blanc' R6s5.

422364. 'Jurancon blanc' R6s41.

422365. 'Jurancon blanc' R7s16.

422366. VITIS VINIFERA L. Vitaceae. European grape.

From Canada. Cuttings presented June 1976 by Mr. Heiss, Okanagan Centre, British Columbia. Numbered January 24, 1978.

'K37' (White Riesling × Trollinger).

422367. VITIS VINIFERA L. Vitaceae. European grape.

From Canada. Cuttings presented June 1976 by Association of British Columbia Grape Growers, Kelowna. Numbered January 24, 1978.

'Michurinetz'.

422368 to 422370. VITIS VINIFERA L. Vitaceae.**European grape.**

From Australia. Cuttings presented July 1976 by A. J. Antcliff, Division of Horticultural Research, Commonwealth Scientific and Industrial Research Organization, Merbein, Victoria. Numbered January 24, 1978.

422368. 'Goyura'.

422369. 'Tarrango'.

422370. 'Tulillah'.

422371 to 422377. VITIS VINIFERA L. Vitaceae.**European grape.**

From France. Cuttings presented February 1977 by P. Truel, Station de Recherches Viticoles, Domaine de Vassal. Numbered January 24, 1978.

422371. 'Danam'.

422375. 'Perlaut'.

422372. 'Danlas'.

422376. 'Ribol'.

422373. 'Data'.

422377. 'Viognier'.

422374. 'Lival'.

422378. VITIS VINIFERA L. Vitaceae.**European grape.**

From Yugoslavia. Cuttings presented February 1977 by A. Saric, Poljoprivredni Fakultet Sveucilista, Zagreb. Numbered January 24, 1978.
'Plavac mali'.

422379. VITIS VINIFERA L. Vitaceae.**European grape.**

From West Germany. Cuttings presented February 1977 by Dr. Gotz, Staatliche Lehr- und Versuchsanstalt, für Wein- und Obstbau Weinberg. Numbered January 24, 1978.
'Kerner'.

422380 to 422383. VITIS VINIFERA L. Vitaceae.**European grape.**

From France. Cuttings presented March 1977 by P. Truel, Station de Recherches Viticoles, Domaine de Vassal. Numbered January 24, 1978.

422380. 'Abouriou'.

422382. 'Negrette'.

422381. 'Monbadon'.

422383. 'Valdiguie'.

422384 to 422385. VITIS VINIFERA L. Vitaceae.**European grape.**

From Hungary. Cuttings presented April 1977 to Frank Orszag, Lansing, Michigan. Numbered January 24, 1978.

422384. 'Furmint'.

422385. 'Harslevelu'.

422386. VITIS VINIFERA L. Vitaceae. European grape.

From Morocco. Cuttings presented May 1977 by R. Lakhdar, Direction de la Recherche Agronomique, Rabat. Numbered January 24, 1978.

'Lambrusque'.

422387 to 422393. VITIS VINIFERA L. Vitaceae.

European grape.

From Australia. Cuttings presented June 1977 by A. J. Antcliff, Division of Horticultural Research, Commonwealth Scientific and Industrial Research Organization, Merbein, Victoria. Numbered January 24, 1978.

422387. 'Aubun'. Best's No. 15x3.

422388. 'Bourboulenc'. Best's No. 8x3.

422389. 'Calitor'. Pescatore's No. 8x3.

422390. 'Counoise'. Best's No. 14x3.

422391. 'Gouais'. Best's No. 4x3.

422392. 'Sauvignonasse'. Best's No. 23x3.

422393. 'Troyen'. Best's No. 18x3.

422394. VITIS VINIFERA L. Vitaceae.

European grape.

From Mexico. Cuttings presented August 1977 by F. Jimenez, Instituto Nacional de Investigaciones Agricolas, Torreon. Numbered January 24, 1978.

'Royal Thompson'.

422395. VITIS (hybrid) Vitaceae.

From South Africa. Cuttings presented September 1977 by J. van der Westhuizen, Oenological and Viticultural Research Institute, Stellenbosch. Numbered January 24, 1978.

'Richter 99'. *V. berlandieri* × *V. rupestris*.

422396. VITIS VINIFERA L. Vitaceae.

European grape.

From Chile. Cuttings presented September 1977 by Facultad de Agronomia, Santiago. Numbered January 24, 1978.

'Red Moscatel'.

422397. LYCOPERSICON PIMPINELLIFOLIUM (L.) Mill.

Solanaceae.

Currant tomato.

From United States. Seed donated by T. H. Barksdale, Fruit Laboratory, Agricultural Research Center, Beltsville, Maryland. Numbered March 21, 1978.

Selected as a variant from P.I. 365899. Resistant to *Septoria lycopersici*.

422398 to 422412.

From Australia. Seed presented by K. Symes, Australian Wheat Collection, Tamworth, New South Wales. Received January 9, 1978.

422398 to 422410. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

422398. 'Bokal'. 11613.

422399. 'Cook'. 20275.

422398 to 422412—Continued**422398 to 422410—Continued**

422400. 'Darkan'. 11614.
 422401. 'Emblem'. 2333.
 422402. 'Gala'. 253.
 422403. 'Glaive'. 11611.
 422404. 'Isis'. 11615.
 422405. 'Kalkee'. 18574.
 422406. 'Kewell'. 20274.
 422407. 'Shortim'. 20276.
 422408. 'Tarsa'. 11622.
 422409. 'Wren'. 1680.
 422410. 8156. 90168.
422411. TRITICUM COMPACTUM Host Club wheat.
 'Tincurrin'. 20578.
422412. TRITICUM DURUM Desf. Durum wheat.
 'Durati'. 20577.

422413 to 422417. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Brazil. Seed presented by F. A. Langer, Adjunio Tecnico de Centro Nacional de Pesquisa de Trigo (EMBRAPA), Passo Fundo. Received February 28, 1978.

422413. CNT 1. 422416. PAT 7219.
 422414. CNT 10. 422417. PF 72707.
 422415. PAT 19.

422418 to 422422. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Yugoslavia. Seed presented by Institut Za Ratar I Pourtarstov, Novi Sad. Numbered January 27, 1978.

422418. 'Biserka'. 422421. 'Novosadska Rana-2'.
 422419. 'Nova Banatka'. 422422. 'Partizanka'.
 422420. 'Novosadska Rana-1'.

422423 to 422445.

From United States. Seed presented by R. W. Romig, Northrup, King and Company, Eden Prairie, Minnesota. Numerical designations refer to Romig-Yuma 1976 Nursery row number. Numbered January 27, 1978.

- 422423 and 422424. HORDEUM VULGARE L. Poaceae. Barley.
 422423. 'Cumhuriyet 50' (Republic 50). 94198.
 422424. 'VDQ 247' (Tokak Dwarf Mutant). 94204.
422425. SECALE CEREALE L. Poaceae. Rye.
 'Dwarf Winter Rye' (Misc 919). 94203.

422423 to 422445—Continued

- 422426 to 422445. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
422426. 'Akoz'. 94002. Winter type.
422427. 'Colorben'. 94195.
422428. 'Demar 4'. 94071. Winter type. Originally from Italy.
422429. 'Esk 6888' (Jars). 94027. Winter type.
422430. 'Hungarian No. 57' (probably Kawkaz). 94074. Winter type.
422431. 'Ibo 5'. 94193.
422432. 'Kirac 66'. 94006. Winter type.
422433. 'Kop'. 94014. Winter type.
422434. 'Krutja'. 94095. Winter type. Originally from Albania.
422435. 'Lovrin 22'. 94142. Originally from Romania.
422436. 'Lovrin 23'. 94143. Originally from Romania.
422437. 'Lovrin 25'. 94144. Originally from Romania.
422438. 'Lushnja'. 94094. Winter type. Originally from Albania.
422439. 'Melez 7'. 94004. Winter type.
422440. 'Mysegeja'. 94096. Winter type. Originally from Albania.
422441. 'Pszenica Ozina'. 94072. Winter type. Originally from Poland.
422442. 'Rudepi'. 94075. Winter type.
422443. 'Sort 11-32-1145'. 94070. Winter type. Originally from Bulgaria.
422444. 'Sort 12-13'. 94069. Winter type. Originally from Bulgaria.
422445. 'Yektay 406'. 94007. Winter type.

422446. ACACIA ALBIDA Del. Fabaceae. Apple-ring acacia.

From Chad. Seed presented by T. Danner, Agency for International Development, American Embassy, N'Djamena. Received February 8, 1978.
Care Nursery, Bongor.

422447. ACACIA sp. Fabaceae.

From Chad. Seed presented by D. L. Maxwell, Development de Ressources Humaines, American Embassy, N'Djamena. Received February 8, 1978.
Harvested in Bongor area.

422448 to 422507.

From Germany Seed presented by Director, Botanic Garden, Johannes Gutenberg-Universitat, Mainz/Rhein, Saarstrasse. Received December 30, 1977.

422448. *AEGILOPS BICORNIS* (Forsk.) Jaub. & Spach Poaceae. Goatgrass.
422449. *AMMOPHILA ARENARIA* (L.) Link Poaceae. European beachgrass.
422450. *ATRIPLEX CALOTHECA* (Raf.) Fries Chenopodiaceae. Saltbush.
422451. *ATRIPLEX PATULA* L. subsp. *HASTATA* (L.) & Clem.
Halberdeleaf orach.
422452. *BRACHYPODIUM DISTACHYON* (L.) Beauv. Poaceae.
Purple false bromegrass.
422453. *CARAGANA FRUTEX* (L.) Koch Fabaceae. Russian pea-shrub.
422454. *CARICA PAPAYA* L. Caricaceae. Papaya.

422448 to 422507—Continued

422455. *CHLORIS BARBATA* (L.) Sw. Poaceae.
422456. *CHRYSANTHEMUM CORONARIUM* L. Asteraceae.
422457. *CYTISUS NIGRICANS* L. Fabaceae. Spike broom.
422458. *ECHINOCHLOA CRUSGALLI* (L.) Beauv. Poaceae. Barnyardgrass.
422459. *ERIGERON FLAGELLARIS* A. Gray Asteraceae.
422460. *ERIGERON SPECIOSUS* (Lindl.) DC.
422461. *EXACUM AFFINE* Balf. f. ex Regel Gentianaceae.
422462. *FESTUCA GIGANTEA* (L.) Vill. Poaceae. Great fescue.
422463. *FESTUCA OVINA* L. Sheep fescue.
422464. *HEDYSARUM MULTIJUGUM* Maxim. Fabaceae. Sweetvetch.
422465. *HELICTOTRICHON PRATENSE* (L.) Pilger Poaceae.
422466. *HOLCUS MOLLIS* L. Poaceae. German velvetgrass.
422467. *HORDEUM BULBOSUM* L. Poaceae. Bulbous barley.
422468. *HORDEUM JUBATUM* L. Foxtail barley.
422469. *HORDEUM MURINUM* L. Wall barley.
422470. *HORDEUM VULGARE* L. Barley.
Two rowed.
422471. *LATHYRUS NIGER* (L.) Bernh. Fabaceae. Black peavine.
422472. *LATHYRUS LATIFOLIUS* L. Everlasting pea.
422473. *LATHYRUS OCHRUS* (L.) DC.
422474. *LATHYRUS PRATENSIS* L. Meadow peavine.
422475. *LATHYRUS VERNUS* (L.) Bernh.
422476. *LINUM USITATISSIMUM* L. Linaceae. Flax.
422477. *LOLIUM MULTIFLORUM* Lam. Poaceae. Italian ryegrass.
422478. *LOLIUM PERENNE* L. Perennial ryegrass.
422479. *MYRICA PENNSYLVANICA* Loisel. Myrtaceae.
422480. *ONOBRYCHIS CAPUT-GALLI* (L.) Lam. Fabaceae.
422481. *PANICUM BULBOSUM* H.B.K. Poaceae. Bulb panicgrass.
422482. *PSORALEA ONOBRYCHIS* Nutt. Fabaceae.
422483. *SANGUISORBA OFFICINALIS* L. Rosaceae.
422484. *STIPA CAPILLATA* L. Poaceae. Feathergrass.
422485. *TRIFOLIUM ALPESTRE* L. Fabaceae. Purple globe clover.
422486. *TRIFOLIUM CAMPESTRE* Schreb. Large hop clover.
422487. *TRIFOLIUM INCARNATUM* L. Crimson clover.
422488. *TRIFOLIUM MEDIUM* L. Zigzag clover.
422489. *TRIFOLIUM MONTANUM* L. Clover.
422490. *TRIFOLIUM PANNONICUM* Jacq. Clover.
422491. *TRIFOLIUM RESUPINATUM* L. Persian clover.
422492. *TRIFOLIUM SCABRUM* L. Rough clover.
422493. *TRIFOLIUM STRIATUM* L. Striate clover.
422494. *TRIFOLIUM TOMENTOSUM* L. Woolly clover.
422495. *TRisetum FLAVESCENS* (L.) Beauv. Poaceae.

422448 to 422507—Continued

422496. *VICIA CASSUBICA* L. Fabaceae.
422497. *VICIA ERVILLA* (L.) Willd. Bitter vetch.
422498. *VICIA FABA* L. Broadbean.
422499. *VICIA HIRSUTA* (L.) S. F. Gray Tiny vetch.
422500. *VICIA LATHYROIDES* L. Spring vetch.
422501. *VICIA LUTEA* L. Yellow vetch.
422502. *VICIA NARBONENSIS* L. Narbonne vetch.
422503. *VICIA PISIFORMIS* L. Vetch.
422504. *VICIA SATIVA* L. Common vetch.
422505. *VICIA SATIVA* subsp. *NIGRA* (L.) Ehrh. Blackpod vetch.
422506. *VICIA TETRASPERMA* (L.) Schreb. Sparrow vetch.
422507. *VICIA VILLOSA* Roth Hairy vetch.
- 422508 and 422509. *ORYZA SATIVA* L. Poaceae. Rice.**
- From Japan. Seed presented by Choyu Shinjo, College of Agriculture, University of the Ryukyus, Naha, Okinawa. Received January 23, 1978.
422508. Rf-Taichung 65. Male sterile cytoplasm and fertility restorer gene Rf₁.
422509. Taichung 65.
- 422510. *DIOSCORESPHYLLUM CUMMINSII* (Stapf) Diels**
Menispermaceae. Serendipity-berry.
- From Ghana. Seed presented by H. L. O. Holloway, Plant Introduction and Exploration Section, Crops Research Institute, Bunso. Numbered February 22, 1978.
- 422511. *DESCHAMPSIA CESPITOSA* (L.) Beauv. Poaceae.**
Tufted hairgrass.
- From Germany. Seed presented by K. Eisele, L. C. Nungesser KG, Saaten, Darmstadt. Received January, 1978.
- Forests near Darmstadt. Shaded. Low growing.
- 422512 and 422513. *TRITICUM AESTIVUM* L. Poaceae.**
Common wheat.
- From Belgium. Seed presented by Station d'Amelioration des Plantes, Gembloux. Received February 8, 1978.
422512. Cora. Winter type.
422513. Zemon. Winter type.
- 422514. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.**
- From Italy. Seed presented by Buonfiglioli Mauro, Michahelles-Samoggia Seeds Company, Via Zecca, Bologna. Numbered January 18, 1978.
- 'Orso'. Cross between 'Funò' x 'Produttore'. Facultative type.
- 422515. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.**
- From Turkey. Seed presented by T. C. Ankara Universitesi Ziraat Fakultesi, Yembitkileri, Cayir ve Mer'a Kursusu. Received January 21, 1978.
- Orient. Short-lived perennial, winter hardy.

422516. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Dominican Republic. Seed presented by R. A. Peterson, Project Manager, Pasture and Livestock Development, Food and Agriculture Organization, Santo Domingo. Received January 6, 1978.

75.527. Genetic Institute, Agronomy Faculty, Maracay, Venezuela. Elevation 400 m. Tetraploid, eight generation. Locally referred to as "Venezuela."

422517. RESEDA LUTEA L. Resedaceae.

From Italy. Seed presented by E. Sgaravatti, Food and Agriculture Organization, Plant Production and Protection Division, Rome. Received February 3, 1978.

FAO 45.959. Originally from Istituto ed Orto Botanico "Hanbury", Corso Dogali, Genova, Italy.

422518. ORYZA SATIVA L. Poaceae. Rice.

From Haiti. Seed presented by G. Boucard, Societe Anonyme Darbouco, Port-Au-Prince. Received January 11, 1978.
'Gros riz'.

422519. KOCHIA PROSTRATA (L.) Schrad. Chenopodiaceae.

From Union of Soviet Socialist Republics. Seed presented by D. D. Brezhnev, N. I. Vavilov Institute of Plant Industry, Leningrad. Received January 31, 1978.

422520. CUCUMIS METULIFERUS E. Mey. ex Naud.

Cucurbitaceae. **African horned cucumber.**

From France. Seed presented by R. D. de Vaulx, Institut National de la Recherche Agronomique, Centre de Recherches Agronomiques D'Avignon, Domaine Saint-Maurice, Montfavet. Numbered March 13, 1978.

Originally from N. I. Vavilov's Institute of Plant Industry, Leningrad, Union of Soviet Socialist Republics.

422521 to 422541.

From Hungary. Seed presented by Research Institute for Forage Crops, Iregszemcse, through L. Farkas, Ithaca, New York. Numbered March 13, 1978.

422521 to 422525. LATHYRUS CICERA L. Fabaceae.

422521. Hungary #36. Local name Csicseri borso.

422522. L-45.

422523. L-46.

422524. L-48.

422525. L-58.

422526 to 422541. LATHYRUS SATIVUS L.

Grass peavine.

422526. L-02. IC-77.

422527. L-03. IC-4.

422528. L-04. Karcagi.

422529. L-06. Krasnodarskaja. Originally from Union of Soviet Socialist Republics.

422521 to 422541—Continued**422526 to 422541—Continued**

422530. L-07. Kreta 160.
 422531. L-08. Rusky.
 422532. L-1. Stapnak 287. Originally from Union of Soviet Socialist Republics.
 422533. L-3. Saganak. Originally from Union of Soviet Socialist Republics.
 422534. L-4. Stapnak 12. Originally from Union of Soviet Socialist Republics.
 422535. L-5. Local name Szeges borso. Originally from Anatolien, Turkey.
 422536. L-7. Originally from Favetta, Italy.
 422537. L-8. Ariana.
 422538. L-10. Cakinskaja. Originally from Union of Soviet Socialist Republics.
 422539. L-11. Gorsovindnaja. Originally from Union of Soviet Socialist Republics.
 422540. L-13. Originally from Taverna, Italy.
 422541. L-53. C53-54. Originally from Union of Soviet Socialist Republics.

422542 and 422543. LATHYRUS SATIVUS L. Fabaceae.**Grass peavine.**

From United States. Seed presented by L. Farkas, Ithaca, New York. Numbered March 13, 1978.

422542. Karclagi. Originally from Soil Management Research Institute, Karczag, Hungary.
 422543. 'Karcagi'. Lathyrin-free. Seed white.

422544 to 422546.

From Germany. Seed presented by L. Seidewitz, Gene Bank, Institute Pflanzbau FAL, Braunschweig, Bundesalle. Received January 4, 1978.

422544 and 422545. DESCHAMPSIA CESPITOSA (L.) Beauv. Poaceae. Tufted hairgrass.

422544. A659-75. 10064. A. J. Davy, School of Biological Sciences, University of East Anglia, Norwich, England. Diploid clong (C10). Originally collected 1971, Hobbs Hill, Hampden, Chilterns.

422545. A659-75. 10065. A. J. Davy, School of Biological Sciences, University of East Anglia, Norwich, England. Tetraploid clone (M4). Originally collected 1971, Moor House, North Pennines.

422546. ULEX EUROPAEUS L. Fabaceae. Gorse.**422547 to 422559.**

From Australia. Seed presented by A. E. Grant Lipp, Plant Introduction and Seed Exchange Unit, Commonwealth Scientific and Industrial Research Organization, Canberra City. Received January 3, 1978.

422547 to 422559—Continued

422547 to 422551. *STYLOSANTHES GUIANENSIS* (Aubl.) Sw. Fabaceae.

Brazilian lucerne.

422547. C.P.I. 34659. Serere Research Station, Soroti, Uganda.
 422548. C.P.I. 34661. SR 623. Nigeria.
 422549. C.P.I. 67653. Old lava flow, 38 km from Guatemala City, toward Jutiapa, Guatemala.
 422550. C.P.I. 67655. Twenty-five km from Guatemala City toward Zacapa, Guatemala.
 422551. C.P.I. 67666. Twenty-eight km from Guatemala City toward Zacapa, Guatemala.

422552 to 422554. *STYLOSANTHES SUBSERICEA* Blake

422552. C.P.I. 67657. Thirty km northwest of Esquintla, Guatemala.
 422553. C.P.I. 67658. Twenty-five km northwest of Esquintla, Guatemala.
 422554. C.P.I. 67660. Ten km south of Retalhuleu, Guatemala.

422555. *STYLOSANTHES VISCOSA* Sw.

C.P.I. 67662. Forty km southeast of Cayo, British Honduras.

422556. *STYLOSANTHES* sp.

C.P.I. 67669. Seventy km from Guatemala City toward Zacapa, Guatemala.

422557. *STYLOSANTHES* sp.

C.P.I. 67669. Seventy km from Guatemala City toward Zacapa, Guatemala.

422558. *STYLOSANTHES* sp.

C.P.I. 67670. Four km from El Progreso toward Zacapa, Guatemala.

422559. *STYLOSANTHES* sp.

C.P.I. 67671. One hundred and five km from Guatemala City toward Zacapa, Guatemala.

422560 to 422569.

From United States. Seed held by Field Crops Laboratory, Plant Genetics and Germplasm Institute, Agricultural Research Center, Beltsville, Maryland. Numbered March 15, 1978.

422560 to 422568. *MEDICAGO FALCATA* L. Fabaceae.

Yellow-flowered alfalfa.

422560. 59-101. Union of Soviet Socialist Republics, 1958. Perennial.
 422561. 59-103. Union of Soviet Socialist Republics, 1958. Perennial.
 422562. 59-104. Union of Soviet Socialist Republics, 1958. Perennial.
 422563. 59-105. Union of Soviet Socialist Republics, 1958. Perennial.
 422564. 59-106. Union of Soviet Socialist Republics, 1958. Perennial.
 422565. 59-107. Union of Soviet Socialist Republics, 1958. Perennial.
 422566. 59-108. Source unknown.
 422567. 59-109. Union of Soviet Socialist Republics, 1958. Perennial.
 422568. 68-212. 1291. Ottawa, Canada. Perennial.

422569. *MEDICAGO SATIVA* subsp. *VARIA* (Martyn) Arc. Fabaceae.

59-149. Source unknown. Perennial.

422570 to 422575. HORDEUM VULGARE L. Poaceae. Barley.

From Belgium. Seed donated by Dr. F. Froidmont, Ministers De L'Agriculture, D'Amelioration DesPlantes, Gembloux. Numbered August 1, 1978.

422570. 'Capri'. High yielding. Resistant to lodging. Winter type.

422571. 'Gypsy'. Winter type.

422572. 'Legia'. Two rowed. Spring type.

422573. HO 465.1 HO 229.4x (Mamie × Emir) × (Mamie × Legia). Two rowed. Spring type.

422574. MH 5/27. EMS mutant from 'Manon'. Tall type.

422575. MH 5/60. EMS mutant from 'Manon'. Dwarf type.

422576 to 422595.

From Morocco. Seed collected 1975 by J. B. Powell, Field Crops Laboratory, Agricultural Research Center, Beltsville, Maryland. Numbered February 22, 1978.

422576 and 422577. AVENA BARBATA Pott ex Link Poaceae. Slender oat.

422576. 028. Route P1, 36 km east of Rabat. Elevation 69 m. Roadside. Wild. Seed.

422577. 029. Route P1, 36 km east of Rabat. Elevation 60 m. Roadside. Taller than wheat. Wild. Seed.

422578. AVENA SATIVA L. Poaceae. Common oat.

035. Five km east of Khemisset. Elevation 122 m. Cultivated wheatfield. Wild. Seed.

422579 to 422581. AVENA STERILIS L. Animated oat.

422579. 032. West 2.5 km of Khemisset. Elevation 91 m. Roadside. Wild. Seed.

422580. 034. East 5 km of Khemisset. Elevation 122 m. Roadside. Wild. Seed.

422581. 037. East 32 km of Rabat, toward Meknes. Elevation 60 m. Roadside. Wild. Seed.

422582. AVENA STERILIS subsp. LUDOVICIANA (Dur.) Gillet & Magne

033. Five km east of Khemisset. Elevation 122 m. Roadside. Wild. Seed.

422583. CYNODON sp. Poaceae.

040. Eleven km north of Chechaouen. Elevation 305 m. Roadside. Wild. Stolons.

422584. CYNODON sp.

042. Twenty km north of Fes. Elevation 393 m. Roadside. Wild. Stolons.

422585. HEDYSARUM CORONARIUM L. Fabaceae.

092. Collected by Orvil Godman, Agency for International Development, American Embassy, Rabat. Wild. Seed.

422586 to 422588. LOLIUM RIGIDUM Gaud. Poaceae. Wimmera ryegrass.

422586. 030. Route P1, 36 km east of Rabat. Elevation 61 m. Roadside. Wild. Seed.

422587. 031. Twenty km south of Kenitra. Elevation 61 m. Roadside. Wild. Seed.

422588. 036. Five km east of Khemisset. Elevation 122 m. Roadside. Wild. Seed.

422576 to 422595—Continued

422589. *LOLIUM* sp.

038. Thirteen km west of Tetouan. Elevation 61 m. Roadside. Wild. Seed.

422590. *POA ANNUA* L. Poaceae.

Annual bluegrass.

041. Tetouan (across street from hotel). Heavily grazed meadow, dry conditions. Wild. Seed.

422591 to 422594. *POA PRATENSIS* L.

Kentucky bluegrass.

422591. 052. Ifrane. Elevation 1515 m. Median of road. Vegetative.

422592. 074. Ifrane. Elevation 1515 m. Median of road. Vegetative.

422593. 089. Ten km northwest of Azrou. Elevation 1212 m. Roadside. Wild. Vegetative.

422594. 090. Ten km northwest of Azrou. Elevation 1212. Roadside. Wild. Vegetative.

422595. *TRIFOLIUM* sp. Fabaceae.

039. Near airport, east of Tetouan. Elevation 15 m. In deep ditch. Wild. Seed.

422596 to 422600.

From Portugal. Plant material collected 1975 by J. B. Powell, Field Crops Laboratory, Agricultural Research Center, Beltsville, Maryland. Numbered February 22, 1978.

422596. *AGROSTIS* sp. Poaceae.

002. Five km north of Bombarral. Elevation 91 m. Sparse, creeping vigorously, light green. Wild. Stolons.

422597. *AGROSTIS* sp.

018. Five km south Vila Real. Elevation 672 m. Roadside. Wild. Stolons.

422598. *LOLIUM* sp. Poaceae.

016. Avanca, near Aveiro. Roadside. Wild. Seed.

422599. *LOLIUM* sp.

026. Near Crato. Elevation 456 m. Roadside. Wild. Seed.

422600. *LOLIUM* sp.

027. Setubal. Elevation 122 m. Roadside. Wild. Seed.

422601 to 422616.

From Italy. Seed presented by E. Sgaravatti, Seed and Plant Material Exchange Officer, Plant Production and Protection Division, Food and Agriculture Organization, Rome. Received February 2, 1978.

422601 to 422608. *DESCHAMPSIA CESPITOSA* (L.) Beauv. Poaceae.

Tufted hairgrass.

422601. FAO 45.918. 'Canche gazonnante'. Jardin Botanique, Bouchout, Meise Belgium.

422602. FAO 45.922. Rasenschmele. Botanischer Garten der Universitat, Frankfurt am Main, Germany.

422603. FAO 45.962. Botanischer Garten der Universitat, Schanzienstrasse, Freiburg, Germany.

422601 to 422616—Continued**422601 to 422608—Continued**

422604. FAO 45.972. Prirodno Matematički Fakultet, Botanička Gradina, Skopje, Yugoslavia.

422605. FAO 45.989. 2059. Jardin Botanique, Universitet Botaniske Have, Copenhagen, Denmark.

422606. FAO 45.990. 2060. Jardin Botanique, Universitet Botaniske Have, Copenhagen, Denmark.

422607. FAO 45.991. 2061. Jardin Botanique, Universitet Botaniske Have, Copenhagen, Denmark.

422608. FAO 46.263. Botanischer Garten der Stadt Essen, Kulshammerweg, Essen, Germany.

422609. *DESCHAMPSIA CESPITOSA* var. *PALLIDA* Gren. & Godr.

FAO 45.992. 2062. Jardin Botanique, Universitet Botaniske Have, Copenhagen, Denmark.

422610. *DESCHAMPSIA CESPITOSA* var. *SETIFOLIA* (Bisch.) Griseb.

FAO 46.264. Botanischer Garten un Botanischer Museum. Berlin-Dahlem, Berlin, Germany.

422611. *DESCHAMPSIA CESPITOSA* var. *VIVIPARA* S. F. Gray

FAO 45.921. University Botanical Garden, Oxford, England.

422612. *DESCHAMPSIA FLEXUOSA* (L.) Trin. **Crinkled hairgrass.**

FAO 45.920. Jardin Botanique, Rouen, France.

422613 to 422616. *MOLINIA CAERULEA* (L.) Moench Poaceae.

422613. FAO 45.924. 2129. Jardin Botanique, Universitet Botaniske Have, Copenhagen, Denmark.

422614. FAO 45.924. 2130. Jardin Botanique, Universitet Botaniske Have, Copenhagen, Denmark.

422615. FAO 45.924. 2131. Jardin Botanique, Universitet Botaniske Have, Copenhagen, Denmark.

422616. FAO 45.960. Istituto ed Orto Botanico "Hanbury" dell' Università, Genova, Italy.

422617 to 422783.

From France. Plants and seed collected 1975 by J. B. Powell, Field Crops Laboratory, Agricultural Research Center, Beltsville, Maryland. Numbered February 24, 1978.

422617 to 422767. *FESTUCA ARUNDINACEA* Schreb. Poaceae. **Tall fescue.**

422617. 296. Superhighway near Dourdan exit, Paris-Orleans. Elevation 151 m. Giant type. Roadside ditch. Wild. Seed.

422618. 297. Superhighway near Dourdan exit, Paris-Orleans. Elevation 151 m. Giant type. Roadside ditch. Wild. Seed.

422619. 298. Superhighway near Dourdan exit, Paris-Orleans. Elevation 151 m. Giant type. Roadside ditch. Wild. Seed.

422620. 299. Superhighway near Dourdan exit, Paris-Orleans. Elevation 151 m. Giant type. Roadside ditch. Wild. Seed.

422621. 300. Superhighway near Dourdan exit, Paris-Orleans. Elevation 151 m. Giant type. Roadside ditch. Wild. Seed.

422617 to 422783—Continued**422617 to 422767—Continued**

422622. 301. Superhighway near Dourdan exit, Paris-Orleans. Elevation 151 m. Giant type. Roadside ditch. Wild. Seed.
422623. 302. Superhighway near Dourdan exit, Paris-Orleans. Elevation 151 m. Giant type. Roadside ditch. Wild. Seed.
422624. 303. Superhighway, 20 km northeast of Tours. Elevation 121 m. Roadside. Wild. Seed.
422625. 304. Superhighway, 20 km northeast of Tours. Elevation 121 m. Roadside. Wild. Seed.
422626. 306. Superhighway, 20 km northeast of Tours. Elevation 121 m. Roadside. Wild. Seed.
422627. 307. Superhighway, 20 km northeast of Tours. Elevation 121 m. Roadside. Wild. Seed.
422628. 308. Superhighway, 20 km northeast of Tours. Elevation 121 m. Roadside. Wild. Seed.
422629. 309. Superhighway, 20 km northeast of Tours. Elevation 121 m. Roadside. Wild. Seed.
422630. 311. La Couronne. Elevation 121 m. Roadside. Wild. Seed.
422631. 312. La Couronne. Elevation 121 m. Roadside. Wild. Seed.
422632. 313. La Couronne. Elevation 121 m. Roadside. Wild. Seed.
422633. 314. La Couronne. Elevation 121 m. Roadside. Wild. Seed.
422634. 315. La Couronne. Elevation 121 m. Roadside. Wild. Seed.
422635. 316. La Couronne. Elevation 121 m. Roadside. Wild. Seed.
422636. 317. Route D 106, 28 km west of Bordeaux. Elevation 61 m. Sandy site. Roadside. Wild. Seed.
422637. 319. Route D 106, 28 km west of Bordeaux. Elevation 61 m. Roadside. Wild. Seed.
422638. 320. Route D 106, 28 km west of Bordeaux. Elevation 61 m. Roadside. Wild. Seed.
422639. 322. Route D 106, 28 km west of Bordeaux. Elevation 61 m. Roadside. Wild. Seed.
422640. 323. Route D 106, 28 km west of Bordeaux. Elevation 61 m. Roadside. Wild. Seed.
422641. 324. Route D 106, 28 km west of Bordeaux. Elevation 61 m. Roadside. Wild. Seed.
422642. 325. Audenge. Elevation 15 m. Giant type. Field near road. Wild. Seed.
422643. 326. Audenge. Elevation 15 m. Giant type. Field near road. Wild. Seed.
422644. 327. Audenge. Elevation 15 m. Giant type. Field near road. Wild. Seed.
422645. 328. Audenge. Elevation 15 m. Giant type. Field near road. Wild. Seed.
422646. 329. Audenge. Elevation 15 m. Giant type. Field near road. Wild. Seed.

422617 to 422783—Continued

422617 to 422767—Continued

422647. 331. Audenge. Elevation 15 m. Giant type. Field near road. Wild. Seed.
422648. 332. Audenge. Elevation 15 m. Giant type. Field near road. Wild. Seed.
422649. 340. Three km north of Castets. Elevation 61 m. Sandy site along roadside. Wild. Plant.
422650. 341. Three km north of Castets. Elevation 61 m. Roadside. Wild. Seed.
422651. 342. Three km north of Castets. Elevation 61 m. Roadside. Wild. Seed.
422652. 343. Three km north of Castets. Elevation 61 m. Roadside. Wild. Seed.
422653. 344. Three km north of Castets. Elevation 61 m. Roadside. Wild. Seed.
422654. 345. Three km north of Castets. Elevation 61 m. Roadside. Wild. Seed.
422655. 346. Eight km west of Bayonne. Elevation 61 m. Roadside. Wild. Seed.
422656. 347. Eight km west of Bayonne. Elevation 61 m. Roadside. Wild. Seed.
422657. 348. Eight km west of Bayonne. Elevation 61 m. Roadside. Wild. Seed.
422658. 349. Eight km west of Bayonne. Elevation 61 m. Roadside. Wild. Seed.
422659. 350. Eight km west of Bayonne. Elevation 61 m. Roadside. Wild. Seed.
422660. 351. Eight km west of Bayonne. Elevation 61 m. Roadside. Wild. Seed.
422661. 352. Twenty-one km west of Oloron. Elevation 61 m. Roadside. Wild. Seed.
422662. 353. Twenty-one km west of Oloron. Elevation 61 m. Roadside. Wild. Seed.
422663. 354. Twenty-one km west of Oloron. Elevation 61 m. Roadside. Wild. Seed.
422664. 355. Twenty-one km west of Oloron. Elevation 61 m. Roadside. Wild. Seed.
422665. 356. Twenty-five km south of Paw. Elevation 303 m. Roadside. Wild. Seed.
422666. 357. Twenty-five km south of Paw. Elevation 303 m. Roadside. Wild. Seed.
422667. 358. Twenty-five km south of Paw. Elevation 303 m. Roadside. Wild. Seed.
422668. 359. Twenty-five km south of Paw. Elevation 303 m. Roadside. Wild. Seed.

422617 to 422783—Continued

422617 to 422767—Continued

422669. 360. Twenty-five km south of Paw. Elevation 303 m. Roadside.
Wild. Seed.
422670. 361. Twenty-five km south of Paw. Elevation 303 m. Roadside.
Wild. Seed.
422671. 362. Twenty-five km south of Paw. Elevation 303 m. Roadside.
Wild. Seed.
422672. 363. Twenty-five km south of Paw. Elevation 303 m. Roadside.
Wild. Seed.
422673. 364. Twenty-five km south of Paw. Elevation 303 m. Roadside.
Wild. Plant.
422674. 365. Twenty-five km south of Paw. Elevation 303 m. Roadside.
Wild. Seed.
422675. 367. Twenty-five km south of Paw. Elevation 303 m. Roadside.
Wild. Seed.
422676. 369. Twenty-five km south of Paw. Elevation 303 m. Roadside.
Wild. Seed.
422677. 370. Twenty-five km south of Paw. Elevation 303 m. Roadside.
Wild. Seed.
422678. 371. Twenty-five km south of Paw. Elevation 303 m. Fine-leaf
type. Roadside. Wild. Seed.
422679. 372. Bagneres. Elevation 606 m. Roadside. Wild. Seed.
422680. 373. Bagneres. Elevation 606 m. Roadside. Wild. Seed.
422681. 374. Bagneres. Elevation 606 m. Roadside. Wild. Seed.
422682. 375. Bagneres. Elevation 606 m. Roadside. Wild. Seed.
422683. 376. Bagneres. Elevation 606 m. Roadside. Wild. Seed.
422684. 377. Bagneres. Elevation 606 m. Roadside. Wild. Plant.
422685. 378. Bagneres. Elevation 606 m. Roadside. Wild. Seed.
422686. 379. St. Girons. Elevation 392 m. Roadside. Wild. Seed.
422687. 380. St. Girons. Elevation 392 m. Roadside. Wild. Seed.
422688. 381. St. Girons. Elevation 392 m. Roadside. Wild. Seed.
422689. 382. St. Girons. Elevation 392 m. Roadside. Wild. Seed.
422690. 384. St. Girons. Elevation 392 m. Roadside. Wild. Seed.
422691. 385. Foix. Elevation 545 m. Roadside. Wild. Seed.
422692. 386. Foix. Elevation 545 m. Roadside. Wild. Seed.
422693. 387. Foix. Elevation 545 m. Roadside. Wild. Seed.
422694. 388. Foix. Elevation 545 m. Roadside. Wild. Seed.
422695. 389. Foix. Elevation 545 m. Roadside. Wild. Seed.
422696. 390. Foix. Elevation 545 m. Roadside. Wild. Seed.
422697. 391. Foix. Elevation 545 m. Roadside. Wild. Seed.
422698. 392. Foix. Elevation 545 m. Roadside. Wild. Seed.
422699. 393. Foix. Elevation 545 m. Roadside. Wild. Seed.
422700. 394. Foix. Elevation 545 m. Roadside. Wild. Seed.

422617 to 422783—Continued**422617 to 422767—Continued**

422701. 395. Roujan. Elevation 91 m. Roadside. Wild. Seed.
422702. 396. Roujan. Elevation 91 m. Roadside. Wild. Seed.
422703. 397. Roujan. Elevation 91 m. Roadside. Wild. Plant.
422704. 398. Roujan. Elevation 91 m. Roadside. Wild. Seed.
422705. 399. Roujan. Elevation 91 m. Roadside. Wild. Seed.
422706. 400. Roujan. Elevation 91 m. Roadside. Wild. Seed.
422707. 401. Roujan. Elevation 91 m. Roadside. Wild. Plant.
422708. 402. Roujan. Elevation 91 m. Roadside. Wild. Seed.
422709. 403. Roujan. Elevation 91 m. Roadside. Wild. Seed.
422710. 404. Roujan. Elevation 91 m. Roadside. Wild. Seed.
422711. 405. Roujan. Elevation 91 m. Roadside. Wild. Seed.
422712. 406. Lodeve. Elevation 121 m. Roadside. Wild. Plant.
422713. 407. Lodeve. Elevation 121 m. Roadside. Wild. Seed.
422714. 408. Lodeve. Elevation 121 m. Roadside. Wild. Seed.
422715. 409. Lodeve. Elevation 121 m. Roadside. Wild. Seed.
422716. 410. Lodeve. Elevation 121 m. Roadside. Wild. Seed.
422717. 411. Lodeve. Elevation 121 m. Roadside. Wild. Seed.
422718. 412. Near Ganges. Elevation 182 m. Roadside. Wild. Plant.
422719. 413. Near Ganges. Elevation 182 m. Roadside. Wild. Seed.
422720. 414. Near Ganges. Elevation 182 m. Roadside. Wild. Seed.
422721. 415. Near Anduze. Elevation 182 m. Roadside. Wild. Seed.
422722. 418. Near Anduze. Elevation 182 m. Roadside. Wild. Plant.
422723. 419. Near Anduze. Elevation 182 m. Roadside. Wild. Seed.
422724. 420. Near Anduze. Elevation 182 m. Roadside. Wild. Plant.
422725. 421. Near Uzes. Elevation 121 m. Roadside. Wild. Seed.
422726. 422. Near Uzes. Elevation 121 m. Roadside. Wild. Plant.
422727. 423. Near Uzes. Elevation 121 m. Roadside. Wild. Seed.
422728. 424. Near Uzes. Elevation 121 m. Roadside. Wild. Seed.
422729. 425. Near Uzes. Elevation 121 m. Roadside. Wild. Seed.
422730. 426. Near Uzes. Elevation 121 m. Roadside. Wild. Seed.
422731. 427. Near Uzes. Elevation 121 m. Roadside. Wild. Seed.
422732. 438. Twenty km west of Digne. Elevation 545 m. Roadside. Wild.
Seed.
422733. 439. Twenty km west of Digne. Elevation 545 m. Roadside. Wild.
Seed.
422734. 440. Twenty km west of Digne. Elevation 545 m. Roadside. Wild.
Seed.
422735. 441. Twenty km west of Digne. Elevation 545 m. Roadside.
Wild. Seed.
422736. 442. Twenty km west of Digne. Elevation 545 m. Roadside.
Wild. Seed.

422617 to 422783—Continued**422617 to 422767—Continued**

422737. 443. Twenty km west of Digne. Elevation 545 m. Roadside. Wild. Seed.
422738. 444. Twenty km west of Digne. Elevation 545 m. Roadside. Wild. Seed.
422739. 445. Twenty km west of Digne. Elevation 545 m. Roadside. Wild. Seed.
422740. 446. Near Castellane. Elevation 900 m. Roadside. Wild. Seed.
422741. 455. Route N-7, 10 km west of Cannes. Elevation 91 m. Roadside. Wild. Seed.
422742. 458. Route N-7, 10 km west of Cannes. Elevation 91 m. Roadside. Wild. Plant.
422743. 459. Route N-7, 10 km west of Cannes. Elevation 91 m. Roadside. Wild. Seed.
422744. 460. Route N-7, 10 km west of Cannes. Elevation 91 m. Roadside. Wild. Plant.
422745. 461. Route N-7, 10 km west of Cannes. Elevation 91 m. Roadside. Wild. Seed.
422746. 462. Near Pont St. Esprit. Elevation 121 m. Roadside. Wild. Plant.
422747. 464. Near Pont St. Esprit. Elevation 121 m. Roadside. Wild. Seed.
422748. 465. Near Tournon. Elevation 151 m. Roadside. Wild. Seed.
422749. 466. Near Tournon. Elevation 151 m. Roadside. Wild. Seed.
422750. 467. Near Tournon. Elevation 151 m. Roadside. Wild. Seed.
422751. 468. Near Tournon. Elevation 151 m. Roadside. Wild. Seed.
422752. 469. Near Tournon. Elevation 151 m. Roadside. Wild. Seed.
422753. 470. Ten km south of Lyon. Elevation 151 m. Roadside. Wild. Seed.
422754. 471. Ten km south of Lyon. Elevation 151 m. Roadside. Wild. Seed.
422755. 472. Ten km south of Lyon. Elevation 151 m. Roadside. Wild. Seed.
422756. 473. Ten km south of Lyon. Elevation 151 m. Roadside. Wild. Seed.
422757. 474. Ten km south of Lyon. Elevation 151 m. Roadside. Wild. Seed.
422758. 475. Ten km south of Lyon. Elevation 151 m. Roadside. Wild. Seed.
422759. 476. Ten km south of Lyon. Elevation 151 m. Roadside. Wild. Seed.
422760. 477. Superhighway near Bierre. Elevation 309 m. Roadside park. Wild. Seed.
422761. 478. Superhighway near Bierre. Elevation 309 m. Roadside park. Wild. Seed.

422617 to 422783—Continued

422617 to 422767—Continued

422762. 479. Superhighway near Bierre. Elevation 309 m. Roadside park. Wild. Seed.

422763. 481. Superhighway near Bierre. Elevation 309 m. Roadside park. Wild. Seed.

422764. 482. Superhighway near Bierre. Elevation 309 m. Roadside park. Wild. Seed.

422765. 483. Superhighway near Bierre. Elevation 309 m. Roadside park. Wild. Seed.

422766. 484. Superhighway near Bierre. Elevation 309 m. Roadside park. Wild. Seed.

422767. 485. Superhighway near Bierre. Elevation 309 m. Roadside park. Wild. Seed.

422768. *FESTUCA* sp.

318. Route D 106, 28 km west of Bordeaux. Elevation 61 m. Fine and large types mixed. Roadside. Wild. Seed.

422769. *FESTUCA* sp.

333. Thirty km north of Castets. Elevation 61 m. Fine-leaf type. Roadside. Wild. Seed.

422770. *FESTUCA* sp.

334. Thirty km north of Castets. Elevation 61 m. Fine-leaf type. Roadside. Wild. Seed.

422771. *FESTUCA* sp.

335. Thirty km north of Castets. Elevation 61 m. Fine leaf type. Roadside. Wild. Seed.

422772. *FESTUCA* sp.

336. Thirty km north of Castets. Elevation 61 m. Fine-leaf type. Sandy site along roadside. Wild. Seed.

422773. *FESTUCA* sp.

337. Thirty km north of Castets. Elevation 61 m. Fine-leaf type. Roadside. Wild. Seed.

422774. *FESTUCA* sp.

338. Thirty km north of Castets. Elevation 61 m. Fine-leaf type. Roadside. Wild. Seed.

422775. *FESTUCA* sp.

339. Thirty km north of Castets. Elevation 61 m. Fine-leaf type. Roadside. Wild. Seed.

422776. *FESTUCA* sp.

428. Ten km east of Apt. Elevation 333 m. Unusual large number of branches on panicle, very stiff. Roadside. Wild. Seed.

422777. *FESTUCA* sp.

431. Ten km east of Apt. Elevation 333 m. Roadside. Wild. Plant.

422778. *FESTUCA* sp.

432. Ten km east of Apt. Elevation 333 m. Roadside. Wild. Seed.

422617 to 422783—Continued

422779. *FESTUCA* sp.
 433. Ten km east of Apt. Elevation 333 m. Roadside. Wild. Seed.
 422780. *FESTUCA* sp.
 434. Ten km east of Apt. Elevation 333 m. Roadside. Wild. Plant.
 422781. *FESTUCA* sp.
 435. Ten km east of Apt. Elevation 333 m. Roadside. Wild. Seed.
 422782. *FESTUCA* sp.
 436. Ten km east of Apt. Elevation 333 m. Roadside. Wild. Plant.
 422783. *FESTUCA* sp.
 437. Ten km east of Apt. Elevation 333 m. Roadside. Wild. Seed.

422784 to 423035.

From United States. Seed held by W. W. Roath, North Dakota State University, Fargo, North Dakota. Numbered March 21, 1978.

- 422784 to 422935. *HELIANTHUS ANNUUS* L. Asteraceae. Sunflower.
 422784. 721. Groton, South Dakota.
 422785. 722. Doland, South Dakota.
 422786. 724. De Smet, South Dakota.
 422787. 727. Woonsocket, South Dakota.
 422788. 728. Plankinton, South Dakota.
 422789. 7210. Stickney, South Dakota.
 422790. 7213. Lake Andres, South Dakota.
 422791. 7214. Spencer, Nebraska.
 422792. 7222. Johnston, Nebraska.
 422793. 7226. Crookston, Nebraska.
 422794. 7227. Crookston, Nebraska.
 422795. 7229. Cody, Nebraska.
 422796. 7230. Merriman, Nebraska.
 422797. 7231. Gordon, Nebraska.
 422798. 7233. Hay Springs, Nebraska.
 422799. 7234. Chadron, Nebraska.
 422800. 7235. Oelricks, South Dakota.
 422801. 7237. Hermosa, South Dakota.
 422802. 7238. Hermosa, South Dakota.
 422803. 7239. New Underwood, South Dakota.
 422804. 7240. New Underwood, South Dakota.
 422805. 7242. New Ell, South Dakota.
 422806. 7245. Alva, Wyoming.
 422807. 7246. Alva, Wyoming.
 422808. 7248. Hulett, Wyoming.
 422809. 7249. Mooncraft, Wyoming.
 422810. 7250. Upton, Wyoming.

422784 to 423035—Continued

422784 to 422935—Continued

- 422811. 7251. Osage, Wyoming.
- 422812. 7253. Upton, Wyoming.
- 422813. 7254. New Castle, Wyoming.
- 422814. 7255. New Castle, Wyoming.
- 422815. 7257. New Castle, Wyoming.
- 422816. 7257A. Lusk, Wyoming.
- 422817. 7258. Lusk, Wyoming.
- 422818. 7259. Lusk, Wyoming.
- 422819. 7261. Shawnee, Wyoming.
- 422820. 7262. Glendo, Wyoming.
- 422821. 7263. Guernsey, Wyoming.
- 422822. 7264. Guernsey, Wyoming.
- 422823. 7265. Guernsey, Wyoming.
- 422824. 7266. Torrington, Wyoming.
- 422825. 7267. Hawk Springs, Wyoming.
- 422826. 7268. La Grange, Wyoming.
- 422827. 7270. Albin, Wyoming.
- 422828. 7271. Grover, Colorado.
- 422829. 7273. Grover, Colorado.
- 422830. 7274. Grover, Colorado.
- 422831. 7276. Briggsdale, Colorado.
- 422832. 7277. Briggsdale, Colorado.
- 422833. 7278. Raymer, Colorado.
- 422834. 7281. Brush, Colorado.
- 422835. 7282. Last Chance, Colorado.
- 422836. 7283. Last Chance, Colorado.
- 422837. 7284. Last Chance, Colorado.
- 422838. 7286. Limon, Colorado.
- 422839. 7288. Hugo, Colorado.
- 422840. 7289. Hugo, Colorado.
- 422841. 7290. Wild Horse, Colorado.
- 422842. 7293. Eads, Colorado.
- 422843. 7294. Wiley, Colorado.
- 422844. 7297. Granada, Colorado.
- 422845. 7298. Coolidge, Kansas.
- 422846. 7299. Syracuse, Kansas.
- 422847. 72100. Syracuse, Kansas.
- 422848. 72101. Kendall, Kansas.
- 422849. 72102. Kendall, Kansas.
- 422850. 72103. Garden City, Kansas.
- 422851. 72104. Garden City, Kansas.
- 422852. 72105. Pierceville, Kansas.

422784 to 423035—Continued**422784 to 422935—Continued**

- 422853. 72106. Cimarron, Kansas.
- 422854. 72108. Dodge City, Kansas.
- 422855. 72109. Spearville, Kansas.
- 422856. 72110. Bellefont, Kansas.
- 422857. 72111. Offerle, Kansas.
- 422858. 72114. Ellinwood, Kansas.
- 422859. 72117. Lyons Kansas.
- 422860. 72118. Lyons, Kansas.
- 422861. 72119. Ellsworth, Kansas.
- 422862. 72122. Ellsworth, Kansas.
- 422863. 72124. Lincoln, Kansas.
- 422864. 72125. Lincoln, Kansas.
- 422865. 72126. Lincoln, Kansas.
- 422866. 72127. Beloit, Kansas.
- 422867. 72129. Beloit, Kansas.
- 422868. 72131. Jewell, Kansas.
- 422869. 72132. Jewell, Kansas.
- 422870. 72133. Montrose, Kansas.
- 422871. 72134. Montrose, Kansas.
- 422872. 72135. Montrose, Kansas.
- 422873. 72136. Superior, Nebraska.
- 422874. 72137. Superior, Nebraska.
- 422875. 72138. Superior, Nebraska.
- 422876. 72140. Blue Hill, Nebraska.
- 422877. 72141. Hastings, Nebraska.
- 422878. 72142. Hastings, Nebraska.
- 422879. 72143. Hastings, Nebraska.
- 422880. 72145. Minden, Nebraska.
- 422881. 72148. Kearney, Nebraska.
- 422882. 72149. Odessa, Nebraska.
- 422883. 72150. Elm Creek, Nebraska.
- 422884. 72151. Overton, Nebraska.
- 422885. 72153. Cozad, Nebraska.
- 422886. 72157. North Platte, Nebraska.
- 422887. 72159. North Platte, Nebraska.
- 422888. 72173. Mission, South Dakota.
- 422889. 72176. Murdo, South Dakota.
- 422890. 72177. Vivian, South Dakota.
- 422891. 72178. Pierre, South Dakota.
- 422892. 72179. Pierre, South Dakota.
- 422893. 72180. Bunt, South Dakota.

422784 to 423035—Continued

422784 to 422935—Continued

- 422894. 72181. Onida, South Dakota.
- 422895. 72182. Gettsyberg, South Dakota.
- 422896. 72183. Gettsyberg, South Dakota.
- 422897. 72184. Selby, South Dakota.
- 422898. 72187. Herreid, South Dakota.
- 422899. 72189. Hague, South Dakota.
- 422900. 72198. Sheldon, North Dakota.
- 422901. 72201. Crete, North Dakota.
- 422902. 72202. Stirum, North Dakota.
- 422903. 72205. Cayuga, North Dakota.
- 422904. 72206. Gwinner, North Dakota.
- 422905. 72207. Forman, North Dakota.
- 422906. 72214. Gettysberg, South Dakota.
- 422907. 72215. Grotan, South Dakota.
- 422908. 72216. Grotan, South Dakota.
- 422909. 72217. Fargo, North Dakota.
- 422910. 72218. Wayne, Nebraska.
- 422911. 72219. Box Elder, South Dakota.
- 422912. 72222. Rapid City, South Dakota.
- 422913. 72225. Wayne, Nebraska.
- 422914. 72226. Williston, North Dakota.
- 422915. 72227. Williston, North Dakota.
- 422916. 72228. Dickinson, North Dakota.
- 422917. 72230. Bismarck, North Dakota.
- 422918. 72231. Velva, North Dakota.
- 422919. 72232. Minot, North Dakota.
- 422920. 72233. Sykeston, North Dakota.
- 422921. 72235. Jamestown, North Dakota.
- 422922. 72237. Minot, North Dakota.
- 422923. 72238. Jamestown, North Dakota.
- 422924. 72240. Williston, North Dakota.
- 422925. 72243. Williston, North Dakota.
- 422926. 72253. Abilene, Texas.
- 422927. 72255. Uralde, Texas.
- 422928. 72264. Paducah, Texas.
- 422929. 72280. Knoxville, Tennessee.
- 422930. 72282. Knoxville, Tennessee.
- 422931. 72293. Knoxville, Tennessee.
- 422932. 72322. Arizona.
- 422933. 72323. Texas.

422784 to 423035—Continued

422784 to 422935—Continued

422934. 72324. Texas.
422935. 72325. Texas.
- 422936 to 422950. *HELIANTHUS ARGOPHYLLUS* Torr. & Gray
Silverleaf sunflower.
422936. 72301. Tivoli, Texas.
422937. 72302. Holiday Beach, Texas.
422938. 72303. Holiday Beach, Texas.
422939. 72304. Rockport, Texas.
422940. 72305. Rockport, Texas.
422941. 72306. Aransas Pass, Texas.
422942. 72307. Ingleside, Texas.
422943. 72308. Corpus Christi, Texas.
422944. 72309. South Texas.
422945. 72310. Rivera, Texas.
422946. 72311. Rivera, Texas.
422947. 72312. Falfurrias, Texas.
422948. 72314. Falfurrias, Texas.
422949. 72315. Padre Island, Texas.
422950. 72321. Padre Island, Texas.
422951. *HELIANTHUS DECAPETALUS* L. Thinleaf sunflower.
72284. Milford, Illinois.
- 422952 and 422953. *HELIANTHUS GROSSESERRATUS* Martens Sunflower.
422952. 72169. Theford, Nebraska.
422953. 72299.
422954. *HELIANTHUS MACROPHYLLUS* Willd.
72320.
- 422955 to 422963. *HELIANTHUS MAXIMILIANII* Schrad. Sunflower.
422955. 723. Clark, South Dakota.
422956. 7219. Stuart, Nebraska.
422957. 72185. Selby, South Dakota.
422958. 72195. Wahpeton, North Dakota.
422959. 72200. Fort Abercrombie, North Dakota.
422960. 72229. Harvey, North Dakota.
422961. 72236. Sykeston, North Dakota.
422962. 72267. Barnesville, Minnesota.
422963. 72269. Bemidji, Minnesota.
422964. *HELIANTHUS NUTTALLII* subsp. *RYDBERGII* (Britton) Long.
72208. Kindred, North Dakota.
422965. *HELIANTHUS PARADOXUS* C.B. Heiser
72298. Texas.

422784 to 423035—Continued

422966 to 423022. *HELIANTHUS PETIOLARIS* Nutt.

Sunflower.

422966. 7217. Spencer, Nebraska.
 422967. 7218. O'Neil, Nebraska.
 422968. 7220. Basset, Nebraska.
 422969. 7221. Johnston, Nebraska.
 422970. 7224. Valentine, Nebraska.
 422971. 7225. Crookston, Nebraska.
 422972. 7228. Cody, Nebraska.
 422973. 7232. Gordon, Nebraska.
 422974. 7236. Hot Springs, South Dakota.
 422975. 7244. Alva, Wyoming.
 422976. 7256. New Castle, Wyoming.
 422977. 7260. Shawnee, Wyoming.
 422978. 7269. Albin, Wyoming.
 422979. 7272. Grover, Colorado.
 422980. 7275. Grover, Colorado.
 422981. 7279. Stonehan, Colorado.
 422982. 7280. Brush, Colorado.
 422983. 7285. Last Chance, Colorado.
 422984. 7287. Hugo, Colorado.
 422985. 7291. Kit Carson, Colorado.
 422986. 7292. Eads, Colorado.
 422987. 7295. Lamar, Colorado.
 422988. 7296. Carlton, Colorado.
 422989. 72107. Dodge City, Kansas.
 422990. 72112. Lorned, Kansas.
 422991. 72115. Silica, Kansas.
 422992. 72120. Ellsworth, Kansas.
 422993. 72121. Ellsworth, Kansas.
 422994. 72147. Kearney, Nebraska.
 422995. 72152. Lexington, Nebraska.
 422996. 72155. Gothenburg, Nebraska.
 422997. 72156. Brady, Nebraska.
 422998. 72158. North Platte, Nebraska.
 422999. 72161. Stapleton, Nebraska.
 423000. 72163. Thedford, Nebraska.
 423001. 72164. Thedford, Nebraska.
 423002. 72166. Thedford, Nebraska.
 423003. 72168. Thedford, Nebraska.
 423004. 72171. Olsonville, South Dakota.
 423005. 72175. Murdo, South Dakota.
 423006. 72186. Mound City, South Dakota.

422784 to 423035—Continued**422966 to 423022—Continued**

423007. 72191. Kindred, North Dakota.
 423008. 72192. McLeod, North Dakota.
 423009. 72194. McLeod, North Dakota.
 423010. 72199. McLeod, North Dakota.
 423011. 72204. Hankinson, North Dakota.
 423012. 72210. Hankinson, North Dakota.
 423013. 72211. Kindred, North Dakota.
 423014. 72212. Barney, North Dakota.
 423015. 72224. Arlington, South Dakota.
 423016. 72234. Watford City, North Dakota.
 423017. 72239. Pingree, North Dakota.
 423018. 72250. Clarendon, Texas.
 423019. 72252. Haskell County, Texas.
 423020. 72262. Lubbock, Texas.
 423021. 72263. Vernon, Texas.
 423022. 72265. Chillicothe, Texas.
- 423023 to 423030. *HELIANTHUS RIGIDUS* (Cass.) Desf. **Prairie sunflower.**
 423023. 725. De Smet, South Dakota.
 423024. 729. Stickney, South Dakota.
 423025. 7212. Lake Andres, South Dakota.
 423026. 72272. Breckenridge, Minnesota.
 423027. 72273. LeMoure, North Dakota.
 423028. 72274. Lincoln County, Oklahoma.
 423029. 72275. Valley City, North Dakota.
 423030. 72283. Milford, Illinois.
423031. *HELIANTHUS TOMENTOSUS* Michx.
 72318. Union of Soviet Socialist Republics.
- 423032 to 423034. *HELIANTHUS TUBEROSUS* L. **Jerusalem-artichoke.**
 423032. 72268. Pelican Rapids, Minnesota.
 423033. 72270. Vergas, Minnesota.
 423034. 72271. Moorhead, Minnesota.
423035. *TITHONIA* sp. Asteraceae.
 72319.

423036 to 423142.

From Spain. Plant material collected 1975 by J. B. Powell, Field Crops Laboratory, Agricultural Research Center, Beltsville, Maryland. Numbered February 24, 1978.

423036. AGROSTIS sp. Poaceae.

093. Rio Guadarrama at Route 6, west of Madrid. Elevation 549 m. Growing on riverbank. Wild. Stolons.

423036 to 423142—Continued

423037. *CYNODON* sp. Poaceae.

094. Rio Guadarrama at Route 105, west of Madrid. Elevation 549 m. Fine-leaf type. Growing on riverbank. Wild. Stolons.

423038. *CYNODON* sp.

095. Rio Guadarrama at Route 105, west of Madrid. Elevation 549 m. Dwarf type. Wild. Stolons.

423039. *CYNODON* sp.

107. Route 110, 14 km northeast of Plasencia. Elevation 457 m. Large forage type growing in association with *Eragrostis* on dry site. Wild. Stolons.

423040. *CYNODON* sp.

165. Freijido. Elevation 305 m. Roadside. Wild. Stolons.

423041. *CYNODON* sp.

282. Tarragona. Fine leaf type. Growing at sea level along beach. Wild. Stolons.

423042. *CYNODON* sp.

283. Tarragona. Pasture type. Growing at sea level along beach. Wild. Stolons.

423043 to 423118. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.

423043. 100. Sotillo de la Adrado. Elevation 610 m. Roadside. Wild. Seed.

423044. 178. Cedeira. Elevation 15 m. Roadside. Wild. Seed.

423045. 187. Vivero. Elevation 15 m. Large. Roadside. Wild. Seed.

423046. 188. Vegadeo. Elevation 31 m. Giant type. Roadside. Wild. Seed.

423047. 189. Vegadeo. Elevation 31 m. Giant type. Roadside. Wild. Seed.

423048. 190. Five km east of Vegadeo. Elevation 31 m. Roadside. Wild. Seed.

423049. 191. Five km east of Vegadeo. Elevation 15 m. Roadside. Wild. Seed.

423050. 192. Five km east of Vegadeo. Elevation 15 m. Roadside. Wild. Seed.

423051. 193. Five km east of Vegadeo. Elevation 15 m. Roadside. Wild. Seed.

423052. 194. Five km east of Vegadeo. Elevation 15 m. Roadside. Wild. Seed.

423053. 195. Five km east of Vegadeo. Elevation 15 m. Roadside. Wild. Seed.

423054. 196. Five km east of Vegadeo. Elevation 15 m. Roadside. Wild. Seed.

423055. 197. Five km east of Vegadeo. Elevation 15 m. Roadside. Wild. Seed.

423056. 198. Five km east of Vegadeo. Elevation 15 m. Roadside. Wild. Seed.

423057. 211. Eight km east of Grado. Elevation 182 m. Roadside. Wild. Seed.

423036 to 423142—Continued**423043 to 423118—Continued**

423058. 212. Eight km west of Grado. Elevation 182 m. Roadside. Wild. Seed.
423059. 213. Eight km west of Grado. Elevation 182 m. Roadside. Wild. Seed.
423060. 214. Eight km west of Grado. Elevation 182 m. Roadside. Wild. Seed.
423061. 215. Eight km west of Grado. Elevation 182 m. Roadside. Wild. Seed.
423062. 216. Eight km west of Grado. Elevation 182 m. Roadside. Wild. Seed.
423063. 217. Eight km west of Grado. Elevation 182 m. Roadside. Wild. Seed.
423064. 218. Eight km west of Grado. Elevation 182 m. Roadside. Wild. Seed.
423065. 219. Eight km west of Grado. Elevation 182 m. Roadside. Wild. Seed.
423066. 220. Eight km west of Grado. Elevation 182 m. Roadside. Wild. Seed.
423067. 221. Eight km west of Grado. Elevation 182 m. Roadside. Wild. Seed.
423068. 222. Infiesto. Elevation 152 m. Roadside. Wild. Seed.
423069. 223. Infiesto. Elevation 152 m. Roadside. Wild. Seed.
423070. 224. Infiesto. Elevation 152 m. Roadside. Wild. Seed.
423071. 225. Infiesto. Elevation 152 m. Roadside. Wild. Seed.
423072. 226. Infiesto. Elevation 152 m. Roadside. Wild. Seed.
423073. 227. Infiesto. Elevation 152 m. Roadside. Wild. Plant.
423074. 228. Infiesto. Elevation 152 m. Roadside. Wild. Seed.
423075. 230. LaFranca. Elevation 15 m. Roadside. Wild. Seed.
423076. 231. La Franca. Elevation 15 m. Very fine type. Roadside. Wild. Seed.
423077. 232. LaFranca. Elevation 15 m. Fine type. Roadside. Wild. Seed.
423078. 233. LaFranca. Elevation 15 m. Roadside. Wild. Seed.
423079. 234. LaFranca. Elevation 15 m. Large, creeping type. Roadside. Wild. Seed.
423080. 235. LaFranca. Elevation 15 m. Very large. Roadside. Wild. Seed.
423081. 236. LaFranca. Elevation 15 m. Roadside. Wild. Seed.
423082. 237. LaFranca. Elevation 15 m. Roadside. Wild. Seed.
423083. 238. Five km east of Laredo. Elevation 121 m. Roadside. Wild. Seed.
423084. 239. Five km east of Laredo. Elevation 121 m. Roadside. Wild. Seed.
423085. 240. Five km east of Laredo. Elevation 121 m. Roadside. Wild. Seed.

423036 to 423142—Continued**423043 to 423118—Continued**

423086. 242. Five km east of Laredo. Elevation 121 m. Roadside. Wild. Seed.
423087. 243. Five km east of Laredo. Elevation 121 m. Roadside. Wild. Seed.
423088. 244. Five km east of Laredo. Elevation 121 m. Roadside. Wild. Seed.
423089. 245. Five km east of Laredo. Elevation 121 m. Wet site along roadside. Wild. Seed.
423090. 246. Five km east of Laredo. Elevation 121 m. Roadside. Wild. Seed.
423091. 247. Five km east of Laredo. Elevation 121 m. Roadside. Wild. Seed.
423092. 248. Near Castro-Urdiales. Elevation 121 m. Roadside. Wild. Seed.
423093. 249. Ten km east of Bilboa. Elevation 91 m. Roadside rest stop. Wild. Seed.
423094. 250. Ten km east of Bilboa. Elevation 91 m. Roadside rest stop. Wild. Seed.
423095. 251. Ten km east of Bilboa. Elevation 91 m. Roadside rest stop. Wild. Seed.
423096. 260. Five km east of Noain. Elevation 427 m. Roadside. Rhizomatous. Wild. Vegetative.
423097. 262. Five km east of Noain. Elevation 427 m. Roadside. Wild. Plant.
423098. 263. Five km east of Noain. Elevation 427 m. Roadside. Wild. Plant.
423099. 264. Five km east of Noain. Elevation 427 m. Roadside. Wild. Plant.
423100. 270. Twenty-five km east of Yesa. Elevation 485 m. Roadside. Wild. Plant.
423101. 271. Twenty-five km east of Yesa. Elevation 485 m. Roadside. Wild. Seed.
423102. 272. Twenty-five km east of Yesa. Elevation 485 m. Roadside. Wild. Seed.
423103. 273. Twenty-five km east of Yesa. Elevation 485 m. Roadside. Wild. Seed.
423104. 274. Twenty-five km east of Yesa. Elevation 485 m. Gray shale soil. Roadside. Wild. Seed.
423105. 275. Twenty-five km east of Yesa. Elevation 485 m. Roadside. Wild. Plant.
423106. 276. Twenty-five km east of Yesa. Elevation 485 m. Roadside. Wild. Seed.
423107. 277. Twenty-five km east of Yesa. Elevation 485 m. Roadside. Wild. Seed.

423036 to 423142—Continued

423043 to 423118—Continued

423108. 278. Twenty-five km east of Yesa. Elevation 485 m. Roadside.
Wild. Seed.
423109. 285. Seven km east of Calatayud. Elevation 545 m. Roadside.
Wild. Seed.
423110. 286. Seven km west of Calatayud. Elevation 545 m. Roadside.
Wild. Seed.
423111. 287. Seven km west of Calatayud. Elevation 545 m. Roadside.
Wild. Plant.
423112. 288. Seven km west of Calatayud. Elevation 545 m. Roadside.
Wild. Seed.
423113. 289. Seven km west of Calatayud. Elevation 545 m. Roadside.
Wild. Seed.
423114. 291. Seven km west of Calatayud. Elevation 545 m. Roadside.
Wild. Seed.
423115. 292. Seven km west of Calatayud. Elevation 545 m. Roadside.
Wild. Seed.
423116. 293. Seven km west of Calatayud. Elevation 545 m. Roadside.
Wild. Seed.
423117. 294. Seven km west of Calatayud. Elevation 545 m. Roadside.
Wild. Seed.
423118. 295. Seven km west of Calatayud. Elevation 545 m. Roadside.
Wild. Seed.
423119. *FESTUCA* sp. Poaceae.
108. Rio Corneja, southwest of Piedrahita. Roadside, near river. Wild.
Vegetative stock.
423120. *FESTUCA* sp.
158. Nineteen km northwest of Ponferrada. Elevation 545 m. Giant type.
Roadside. Wild. Seed.
423121. *FESTUCA* sp.
159. Nineteen km northwest of Ponferrada. Elevation 545 m. Giant type.
Roadside. Wild. Seed.
423122. *FESTUCA* sp.
160. Nineteen km northwest of Ponferrada. Elevation 545 m. Giant type.
Roadside. Wild. Seed.
423123. *FESTUCA* sp.
161. Nineteen km northwest of Ponferrada. Elevation 545 m. Giant type.
Roadside. Wild. Seed.
423124. *FESTUCA* sp.
162. Nineteen km northwest of Ponferrada. Elevation 545 m. Giant type.
Roadside. Wild. Seed.
423125. *FESTUCA* sp.
163. Nineteen km northwest of Ponferrada. Elevation 545 m. Giant type.
Roadside. Wild. Seed.

423036 to 423142—Continued

423126. *FESTUCA* sp.

164. Nineteen km northwest of Ponferrada. Elevation 545 m. Small type. Roadside. Wild. Seed.

423127. *FESTUCA* sp.

229. Infiesto. Elevation 151 m. Very fine type. Roadside. Wild. Plant.

423128. *FESTUCA* sp.

268. Three km east of Yesa. Elevation 424 m. Very low fertility site near lake. Wild. Seed.

423129. *FESTUCA* sp.

269. Three km east of Yesa. Elevation 424 m. Very low fertility site near lake. Wild. Seed.

423130. *FESTUCA* sp.

279. Twenty-five km east of Yesa. Elevation 484 m. Roadside. Wild. Seed.

423131. *FESTUCA* sp.

280. Twenty-five km east of Yesa. Elevation 484 m. Roadside. Wild. Plant.

423132. *FESTUCA* sp.

281. Twenty-five km east of Yesa. Elevation 484 m. Roadside. Wild. Plant.

423133. *LOLIUM* sp. Poaceae.

154. Route 6, San Rafael. Elevation 1158 m. Roadside park. Wild. Vegetative stock.

423134. *LOLIUM* sp.

166. Vigo. Elevation 15 m. Roadside. Wild. Seed.

423135. *LOLIUM* sp.

200. Five km east of Vegadeo. Elevation 15 m. Roadside. Wild. Seed.

423136. *LOLIUM* sp.

209. Eight km west of Grado. Elevation 182 m. Very large. Roadside. Wild. Seed.

423137. *LOLIUM* sp.

241. Five km east of Laredo. Elevation 121 m. Creeping type. Roadside. Wild. Seed.

423138 to 423142. *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.

423138. 106. Jarandilla de la Vera. Roadside park. Wild. Vegetative stock.

423139. 118. Route 501, 28 km northeast of Auila. Elevation 975 m. Resistant to leaf spot. Roadside. Wild. Vegetative stock.

423140. 135. Arcones. Elevation 1036 m. Roadside. Wild. Vegetative stock.

423141. 152. Route C116, 13 km southeast of Almazon. Elevation 945 m. Roadside. Wild. Vegetative stock.

423142. 153. Route 6, San Rafael. Elevation 1158 m. Roadside park. Wild. Vegetative stock.

423143 to 423148. *PANICUM MAXIMUM* Jacq. Poaceae.

Guineagrass.

From United States. Seed presented by W. W. Hanna, Coastal Plain Experiment Station, Tifton, Georgia. Numbered March 30, 1978.

423143. Tift 77-8. Selected from P.I. 277920. Winter hardy.
 423144. Tift 77-9. Selected from P.I. 277922. Winter hardy.
 423145. Tift 77-14. Selected from P.I. 277955. Winter hardy.
 423146. Tift 77-21. Selected from P.I. 295650. Winter hardy.
 423147. Tift 77-22. Selected from P.I. 298996. Winter hardy.
 423148. Tift 77-24. Selected from P.I. 307634. Winter hardy.

423149. *CYPHOMANDRA* sp. Solanaceae.

From Ecuador. Seed donated by Ing. Agr. Francisco Vivar C., Director, Botanical Garden, National University of Loja, Loja. Received March 1, 1978.

Near Loja. Elevation 2,000 to 2,500 m. Cold mountainous area. Fruit ovoid-cylindrical, to 7 cm long. Yellow-green, edible, sweet-acid flavor. Seed large. Local name Tomate de monte.

423150 to 423509.

From Indonesia. Collection sponsored by the International Society of Sugarcane Technologists. Letters in field numbers refer to individual collectors. Numbered March 21, 1978.

423150. *COIX LACRYMA-JOBI* var. *GIGANTEA* (Roxb.) Stapf Poaceae.

IS76-199. Lake Tondano, Tondano, Celebes. Elevation 680 m. Large stools in water. Associated with Phragmites. Local name "ilah." Wild.

423151. *ERIANTHUS* sp. Poaceae.

IK76-7. Kapuas River, Borneo. Sea level. Culms recumbent in water. Local name "tabu rink." Cultivated.

423152. *ERIANTHUS* sp.

IK76-11. Kapuas River, Borneo. Sea level. In water. Prolific flowering. Wild.

423153. *ERIANTHUS* sp.

IK76-20. Kapuas River, Borneo. Elevation 48 m. Low vigor. Local name "teberau." Wild.

423154. *ERIANTHUS* sp.

IK76-22. Kapuas River (above Sanggus), Borneo. Elevation 45 m. Prolific flowering. Wild.

423155. *ERIANTHUS* sp.

IK76-24. Kapuas River (above Sanggau), Borneo. Elevation 45 m. Cultivated.

423156. *ERIANTHUS* sp.

IK76-25. Kapuas River (above Sanggau), Borneo. Elevation 40 m. Wild.

423157. *ERIANTHUS* sp.

IK76-27. Kapuas River (downstream from Sanggau), Borneo. Elevation 40 m. Wild.

423150 to 423509—Continued

423158. *ERIANTHUS* sp.

IK76-41. Mahakam River, Borneo. Elevation 10 m. In water. Culm thin, vigorous. Leaf chimera, wax deposition prominent. Local name "teberau." Wild.

423159. *ERIANTHUS* sp.

IK76-44. Mahakam River, Borneo. Elevation 10 m. In water. Local name "teberau." Wild.

423160. *ERIANTHUS* sp.

IK76-45. Mahakam River, Borneo. Elevation 10 m. In water. Local name "teberau." Wild.

423161. *ERIANTHUS* sp.

IK76-47. Mahakam River, Borneo. Elevation 40 m. Local name "teberau." Wild.

423162. *ERIANTHUS* sp.

IK76-48. Mahakam River, Borneo. Elevation 48 m. Very dark green leaves. Local name "teberau." Wild.

423163. *ERIANTHUS* sp.

IK76-55. Mahakam River, 2 km above Kota Bangun, Borneo. Elevation 70 m. Local name "teberau." Wild.

423164. *ERIANTHUS* sp.

IK76-57. Mahakam River, 12 km above Kota Bangun, Borneo. Elevation 80 m. Local name "teberau." Wild.

423165. *ERIANTHUS* sp.

IK76-63. Seven km from Panajam, Borneo. Elevation 40 m. Wild.

423166. *ERIANTHUS* sp.

IK76-64. Thirty km from Panajam, Borneo. Elevation 20 m. Wild.

423167. *ERIANTHUS* sp.

IK76-68. Sixty km from Panajam, Borneo. Elevation 68 m. Wild.

423168. *ERIANTHUS* sp.

IK76-75. Kuaro kampung, 117 km from Panajam, Borneo. Elevation 71 m. Local name "teberau." Wild.

423169. *ERIANTHUS* sp.

IK76-76. Along roadside, 135 km from Panajam, Borneo. Elevation 177 m. Wild.

423170. *ERIANTHUS* sp.

IK76-77. Along roadside, 135 km from Panajam, Borneo. Elevation 177 m. Young inflorescence red. Wild.

423171. *ERIANTHUS* sp.

IK76-78. Along roadside, 170 km from Panajam, Borneo. Elevation 112 m. Wild.

423172. *ERIANTHUS* sp.

IK76-79. Along roadside, 182 km from Panajam, Borneo. Elevation 118 m. Wild.

423150 to 423509—Continued

423173. *ERIANTHUS* sp.

IK76-80. South of Tanjung, 273 km from Panajam, Borneo. Elevation 33 m. Wild.

423174. *ERIANTHUS* sp.

IK76-81. South of Tanjung, 279 km from Panajam, Borneo. Elevation 53 m. Wild.

423175. *ERIANTHUS* sp.

IK76-88. Riverbank, 416 km from Panajam, Dinuang kampung, Borneo. Elevation 36 m. Wild.

423176. *ERIANTHUS* sp.

IK76-90. Along roadside, 69 km from Banjarmasin, Borneo. Elevation 50 m. Wild.

423177. *ERIANTHUS* sp.

IK76-91. Sesayap River, Borneo. Sea level. In water. Culms thin. Downy pubescence on sheath. Local name "tebu hutan." Wild.

423178. *ERIANTHUS* sp.

IK76-92. Sesayap River, Borneo. Sea level. In water. Culms thin. Downy pubescence on sheath. Local name "tebu hutan." Wild.

423179. *ERIANTHUS* sp.

IK76-93. Sesayap River, Borneo. Sea level. In water. Culms thin. Downy pubescence on sheath. Local name "tebu hutan." Wild.

423180. *ERIANTHUS* sp.

IK76-99. Sesayap River (above Tidung Pala), Borneo. Sea level. In water. Culms thin. Downy pubescence on sheath. Local name "tebu hutan." Wild.

423181. *ERIANTHUS* sp.

IK76-101. Kayan River, Northeast Kalimantan, Borneo. Sea level. Local name "tebarau." Wild.

423182. *ERIANTHUS* sp.

IK76-102. Kayan River, Mara Dua (Timber Company landing above Tanjung Selor), Borneo. Elevation 33 m. Wild.

423183. *ERIANTHUS* sp.

IK76-103. Kayan River (below Mara Dua), Borneo. Elevation 41 m. Wild.

423184. *ERIANTHUS* sp.

IK76-105. Kayan River (below Mara Dua), Borneo. Elevation 46 m. Culms thick. Wild.

423185. *ERIANTHUS* sp.

IK76-109. Antutan kampung (below Mara Dua, above Tanjung Selor), Borneo. Elevation 39 m. Wild.

423186. *ERIANTHUS* sp.

IK76-110. Kayan River (above Tanjung Selor), Borneo. Elevation 40 m. Small, sparse stool, thin culms. Wild.

423150 to 423509—Continued

423187. *ERIANTHUS* sp.

IK76-111. Kayan River (above Tanjung Selor), Borneo. Elevation 40 m. Vigorous. Wild.

423188. *ERIANTHUS* sp.

IS76-117. Parigi kampung, 90 km from Palu, Celebes. Elevation 20 m. Culms thick. Local name "biroh." Wild.

423189. *ERIANTHUS* sp.

IS76-120. West of Parigi kampung, Celebes. Elevation 30 m. Wild.

423190. *ERIANTHUS* sp.

IS76-126. Omu kampung, Miyuh River (joins Gumbasa River), Celebes. Elevation 147 m. Abundant. Local name "biroh." Wild.

423191. *ERIANTHUS* sp.

IS76-133. Palu-Kulawi Road, 58 km from Palu, Celebes. Elevation 290 m. Culms to 8 m. Wild.

423192. *ERIANTHUS* sp.

IS76-134. Palu-Kulawi Road, 43 km from Palu, Celebes. Elevation 220 m. Wild.

423193. *ERIANTHUS* sp.

IS76-139. Palu-Oti Road, 60 km from Palu, Celebes. Elevation 97 m. Vigorous. Wild.

423194. *ERIANTHUS* sp.

IS76-140. Palu-Oti Road, 77 km from Palu, Celebes. Elevation 20 m. Wild.

423195. *ERIANTHUS* sp.

IS76-142. Palu-Oti Road, 77 km from Palu, Celebes. Elevation 20 m. Prolific flowering. Wild.

423196. *ERIANTHUS* sp.

IS76-143. Oti-Tambu Road, 97 km from Palu, Celebes. Elevation 26 m. Wild.

423197. *ERIANTHUS* sp.

IS76-145. Oti-Tambu Road, 97 km from Palu, Celebes. Elevation 9 m. Wild.

423198. *ERIANTHUS* sp.

IS76-149. Genetaesa, 51 km from Ujung Pandang, Celebes. Elevation 160 m. Culms 4 m. Local name "tebu salah." Wild.

423199. *ERIANTHUS* sp.

IS76-150. Pange, 57 km from Ujung Pandang, Celebes. Elevation 253 m. Culms 4 m. Local name "tebu salah." Wild.

423200. *ERIANTHUS* sp.

IS76-153. Matampabulu (near Sopeng), 137 km from Ujung Pandang, Celebes. Elevation 143 m. Local name "arase." Wild.

423201. *ERIANTHUS* sp.

IS76-156. Pari Risi, Takalar, 36 km south of Ujung Pandang, Celebes. Elevation 19 m. Local name "tebu salah." Cultivated.

423150 to 423509—Continued

423202. *ERIANTHUS* sp.

IS76-158. Bisoli kampung, 61 km from Ujung Pandang, Celebes. Elevation 23 m. Local name "tebu salah." Cultivated.

423203. *ERIANTHUS* sp.

IS76-160. Ten km from Jeneponto, 73 km from Ujung Pandang, Celebes. Elevation 9 m. Local name "tebu malah." Wild.

423204. *ERIANTHUS* sp.

IS76-162. Togo Togo, Jeneponto, 103 km from Ujung Pandang, Celebes. Elevation 9 m. Local name "tebu salah." Cultivated.

423205. *ERIANTHUS* sp.

IS76-163. Parepare Road, 72 km from Ujung Pandang, Celebes. Sea level, Local name "araso." Cultivated.

423206. *ERIANTHUS* sp.

IS76-169. Alongside roadside, 223 km from Ujung Pandang through Parepare, Celebes. Elevation 72 m. Wild.

423207. *ERIANTHUS* sp.

IS76-172. Bank of creek, 273 km from Ujung Pandang, 46 km to Makale, Celebes. Elevation 537 m. Associated with *Spontaneum*. Local name "roso." Wild.

423208. *ERIANTHUS* sp.

IS76-174. Along roadside, 281 km from Ujung Pandang (before Makale), Celebes. Elevation 717 m. Cut frequently. Local name "aroso." Wild.

423209. *ERIANTHUS* sp.

IS76-176. Along roadside, 287 km from Ujung Pandang, 33 km before Makale, Celebes. Elevation 820 m. Associated with *Saccharum* and *Miscanthus*. Local name "aroso." Wild.

423210. *ERIANTHUS* sp.

IS76-178. Before Makale, 297 km from Ujung Pandang, Celebes. Elevation 845 m. Cut frequently. Wild.

423211. *ERIANTHUS* sp.

IS76-185. Palopo-Masamba Road, 15 km from Palopo, Celebes. Elevation 20 m. Local name "uraso." Wild.

423212. *ERIANTHUS* sp.

IS76-188. Palopo-Masamba Road, 35 km from Palopo, Celebes. Elevation 20 m. Wild.

423213. *ERIANTHUS* sp.

IS76-189. Palopo-Masamba Road, 49 km from Palopo, Celebes. Elevation 20 m. Abundant. Local name "uraso." Wild.

423214. *ERIANTHUS* sp.

IS76-191. Parenang River, Palopo-Sengkang Road, 45 km from Palopo, Celebes. Elevation 10 m. Abundant. Local name "uraso." Wild.

423215. *ERIANTHUS* sp.

IS76-193. Twenty-three km south of Sengkang, Celebes. Elevation 59 m. Abundant. Local name "araso/tebu salah." Wild.

423150 to 423509—Continued

423216. *ERIANTHUS* sp.

IS76-202. Kema River, outskirts of Kema, Celebes. Elevation 25 m. Local name "tebu air." Wild.

423217. *ERIANTHUS* sp.

IS76-205. Likupang kampung, Likupang District, Celebes. Elevation 7 m. Wild.

423218. *ERIANTHUS* sp.

IS76-215. Tongai River, Tongoi kampung, Celebes. Elevation 152 m. Local name "uto." Wild.

423219. *ERIANTHUS* sp.

IS76-218. Ponompian kampung, Celebes. Elevation 87 m. Isolated stool, abundant but inaccessible. Local name "tebu air." Wild.

423220. *ERIANTHUS* sp.

IS76-219. Ongkag River, Dumoga kampung, Dumoga District, Celebes. Elevation 98 m. Abundant. Wild.

423221. *ERIANTHUS* sp.

IS76-220. Ongkag Mongondow River, Mongkonai kampung, Katamobagu District, Celebes. Elevation 180 m. Abundant. Wild.

423222. *ERIANTHUS* sp.

IS76-223. Komangaan River, Komangaan kampung, Celebes. Elevation 78 m. Wild.

423223. *ERIANTHUS* sp.

IJ76-327. Digul River, Tanah Merah, West Irian. Elevation 60 m. Green, sprawling. Wild.

423224. *ERIANTHUS* sp.

IJ76-332. Digul River, Tanah Merah-Wai, West Irian. Elevation 60 m. Local name "buktiwo (Muyu)." Wild.

423225. *ERIANTHUS* sp.

IJ76-333. Digul River, Tanah Merah-Wai, West Irian. Elevation 60 m. Abundant. Local name "bukti." Wild.

423226. *ERIANTHUS* sp.

IJ76-334. Digul River, Tanah Merah-Wai, West Irian. Elevation 60 m. Wild.

423227. *ERIANTHUS* sp.

IJ76-340. Digul River, Tanah Merah-Wai, West Irian. Elevation 60 m. Wild.

423228. *ERIANTHUS* sp.

IJ76-341. Digul River, Tanah Merah-Wai, West Irian. Elevation 60 m. Wild.

423229. *ERIANTHUS* sp.

IJ76-342. Digul River, Wai-Anggai, West Irian. Elevation 60 m. Wild.

423230. *ERIANTHUS* sp.

IJ76-345. Digul River, Wai-Anggai, West Irian. Elevation 60 m. Wild.

423150 to 423509—Continued

423231. *ERIANTHUS* sp.

IJ76-346. Digul and Kao River junction, Anggai, West Irian. Elevation 50 m. Wild.

423232. *ERIANTHUS* sp.

IJ76-347. Digul and Kao River junction, Anggai, West Irian. Elevation 50 m. Wild.

423233. *ERIANTHUS* sp.

IJ76-349. Digul and Kao River junction, Anggai, West Irian. Elevation 50 m. Mixed with reeds. Wild.

423234. *ERIANTHUS* sp.

IJ76-357. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Wild.

423235. *ERIANTHUS* sp.

IJ76-358. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Wild.

423236. *ERIANTHUS* sp.

IJ76-359. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Wild.

423237. *ERIANTHUS* sp.

IJ76-364. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Wild.

423238. *ERIANTHUS* sp.

IJ76-365. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Wild.

423239. *ERIANTHUS* sp.

IJ76-367. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Wild.

423240. *ERIANTHUS* sp.

IJ76-370. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Wild.

423241. *ERIANTHUS* sp.

IJ76-374. Between Anggai and Butipiri, West Irian. Elevation 50 m. Wild.

423242. *ERIANTHUS* sp.

IJ76-378. Kao River, Butiptiri-Anggamburan, West Irian. Elevation 50 m. Wild.

423243. *ERIANTHUS* sp.

LJ76-381. Kao River, Butiptiri-Anggamburan, West Irian. Elevation 60 m. Wild.

423244. *ERIANTHUS* sp.

IJ76-383. Kao River, Butiptiri-Anggamburan, West Irian. Elevation 60 m. In water. Wild.

423245. *ERIANTHUS* sp.

IJ76-384. Kao River, Butiptiri-Anggamburan, West Irian. Elevation 60 m. Wild.

423150 to 423509—Continued

423246. *ERIANTHUS* sp.

IJ76-387. Kao River, Butiptiri-Anggamburan, West Irian. Elevation 60 m. Wild.

423247. *ERIANTHUS* sp.

IJ76-388. Kao River, Butiptiri-Anggamburan, West Irian. Elevation 60 m. Wild.

423248. *ERIANTHUS* sp.

IJ76-390. Kao River, Butiptiri-Anggamburan, West Irian. Elevation 60 m. Wild.

423249. *ERIANTHUS* sp.

IJ76-392. Kao River, Butiptiri-Anggamburan, West Irian. Elevation 60 m. Wild.

423250. *ERIANTHUS* sp.

IJ76-394. Kao and Muyu River junction to Anggamburan, West Irian. Elevation 60 m. Wild.

423251. *ERIANTHUS* sp.

IJ76-395. Kao and Muyu River junction to Anggamburan, West Irian. Elevation 60 m. Wild.

423252. *ERIANTHUS* sp.

IJ76-396. Kao and Muyu River junction to Anggamburan, West Irian. Elevation 60 m. Wild.

423253. *ERIANTHUS* sp.

IJ76-397. Kao and Muyu River junction to Anggamburan, West Irian. Elevation 60 m. Wild.

423254. *ERIANTHUS* sp.

IJ76-398. Kao and Muyu River junction to Anggamburan, West Irian. Elevation 60 m. Wild.

423255. *ERIANTHUS* sp.

IJ76-400. Kao and Muyu River junction to Anggamburan, West Irian. Elevation 60 m. Wild.

423256. *ERIANTHUS* sp.

IJ76-402. Kao and Muyu River junction to Anggamburan, West Irian. Elevation 60 m. Wild.

423257. *ERIANTHUS* sp.

IJ76-403. Kao and Muyu River junction to Anggamburan, West Irian. Elevation 60 m. Wild.

423258. *ERIANTHUS* sp.

IJ76-404. Kao and Muyu River junction to Anggamburan, West Irian. Elevation 60 m. Wild.

423259. *ERIANTHUS* sp.

IJ76-406. Kao River near Mindiptanah, West Irian. Elevation 60 m. Wild.

423260. *ERIANTHUS* sp.

IJ76-407. Kao River near Mindiptanah, West Irian. Elevation 60 m. Wild.

423150 to 423509—Continued

423261. *ERIANTHUS* sp.

IJ76-408. Kao River near Mindiptanah, West Irian. Elevation 60 m. Wild.

423262. *ERIANTHUS* sp.

IJ76-409. Kao River near Mindiptanah, West Irian. Elevation 60 m. Wild.

423263. *ERIANTHUS* sp.

IJ76-410. Kao River near Mindiptanah, West Irian. Elevation 60 m. Wild.

423264. *ERIANTHUS* sp.

IJ76-476. Airstrip, Kokonau, West Irian. Elevation 2 m. Waste ground. Local name "hiraho." (Mimika language). Wild.

423265. *ERIANTHUS* sp.

IJ76-485. Kapare River, West Irian. Sea level. Leaves glabrous. Wild.

423266. *ERIANTHUS* sp.

IJ76-487. Kapare River, West Irian. Sea level. Wild.

423267. *ERIANTHUS* sp.

IJ76-502. Mimika River, West Irian. Sea level. In water. Leaves glabrous. Wild.

423268. *ERIANTHUS* sp.

IJ76-503. Mimika River, West Irian. Sea level. Wild.

423269. *ERIANTHUS* sp.

IJ76-508. Mimika River, West Irian. Sea level. Wild.

423270. *ERIANTHUS* sp.

IJ76-511. Mimika River, West Irian. Sea level. Abundant. Wild.

423271. *ERIANTHUS* sp.

IJ76-513. Mimika River, West Irian. Sea level. Wild.

423272. *MISCANTHUS* sp. Poaceae.

IS76-113. Palu-Parigi Road, 31 km from Palu, Celebes. Elevation 333 m. Solid culms, no nodal eyes, young inflorescence red. Loose, rocky soil. Wild.

423273. *MISCANTHUS* sp.

IS76-114. Palu-Parigi Road, 36 km from Palu, Celebes. Elevation 537 m. Solid culm, no nodal eyes, young inflorescence red. Wild.

423274. *MISCANTHUS* sp.

IS76-170. Sixty-five km to Makale, 255 km from Ujung Pandang, Celebes. Elevation 468 m. Leaves glabrous, inflorescence red. Wild.

423275. *MISCANTHUS* sp.

IS76-182. Twenty km from Palopo, Celebes. Elevation 452 m. Abundant. Wild.

423276. *MISCANTHUS* sp.

IS76-195. Manado-Tomohon Road, 16 km from Manado, Celebes. Elevation 370 m. Abundant. Wild.

423277. *MISCANTHUS* sp.

IS76-204. Kokole, Likupang District, Celebes. Elevation 59 m. Solid culm, no nodal eyes or root primordia. Wild.

423150 to 423509—Continued

423278. *MISCANTHUS* sp.

IJ76-277. Holima, Irian Jaya. Elevation 1,730 m. One spikelet sub-sessile, leaves glabrous. Wild.

423279. *MISCANTHUS* sp.

IJ76-280. Pikhe, adjacent to Catholic Mission on north side of Beliem River, Irian Jaya. Elevation 1,699 m. Spikelets pedicellate, leaves glabrous. Local name "hite." Wild.

423280. *MISCANTHUS* sp.

IJ76-437. North edge of Kiribiri Creek, along coast from Nabire, West Irian. Elevation 5 m. Local name "ida." Wild.

423281. *MISCANTHUS* sp.

IJ76-446. Ugamakotu, on track east from Enarotali, West Irian. Elevation 1,820 m. Spikelets pedicellate, leaves glabrous, no nodal eyes. Local name "puma ida." Wild.

423282. *MISCANTHUS* sp.

IJ76-447. Ipakidimi, on track east from Enarotali, West Irian. Elevation 1,909 m. Sandy soil. Spikelets pedicellate, leaves glabrous, no nodal eyes. Local name "idaa." Wild.

423283. *MISCANTHUS* sp.

IJ76-452. Maiijai/Epouto, West Irian. Elevation 1,860 m. Large stemmed, leaves glabrous. Local name "uwou ida." Wild.

423284. *MISCANTHUS* sp.

IJ76-471. Debaiye, Agrbado River, West Irian. Elevation 1,820 m. Leaves glabrous, modal eyes at base and upper portion only. Local name "kobe ida."

423285. *MISCANTHUS* sp. Poaceae.

IJ76-472. Debaiye, Agrbado River, West Irian. Elevation 1,820 m. Leaves glabrous, basal nodal eyes. Local name "puma ida." Wild.

423286 to 423296. *SACCHARUM EDULE* Hassk. Poaceae.

423286. IK76-34. Samarinda Road, north of Balikpapan airport, Borneo. Elevation 3 m. Used as vegetable. Local name "tebu." Cultivated.

423287. IS76-119. Parigi kampung, Celebes. Elevation 20 m. Downy pubescence on leaves. Used as vegetable. Local name "tebu biobau" (fish egg). Cultivated.

423288. IJ76-312. Kelapa Lima kampung, Merauke, West Irian. Elevation 5 m. Leaves pubescent. Used as vegetable. Local name "awup urak." Cultivated.

423289. IJ76-329. Tanah Merah, West Irian. Elevation 60 m. Leaves pubescent, white inflorescence. Local name "awup nemet." Cultivated.

423290. IJ76-330. Tanah Merah, West Irian. Elevation 60 m. Leaves pubescent, white inflorescence. Local name "awup munggutkon." Cultivated.

423291. IJ76-336. Digul River, Tanah Merah-Wai, West Irian. Elevation 60 m. Abundant. Local name "beten aup." Wild.

423292. IJ76-337. Dugul River, Tanah Merah-Wai, West Irian. Elevation 60 m. Local name "awup kat." Wild.

423150 to 423509—Continued

423286 to 423296—Continued

423293. IJ76-338. Digul River, Tanah Merah-Wai, West Irian. Elevation 60 m. Local name "tirah awup." Wild.
423294. IJ76-360. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Leaves glabrous. Wild.
423295. IJ76-479. Kokonau, West Irian. Elevation 2 m. Leaves pubescent. Cultivated.
423296. IJ76-552. Amban, Manokwari, West Irian. Elevation 90 m. Leaves pubescent. Local name "tebu ikan." Cultivated.

423297 to 423392. SACCHARUM OFFICINARUM L. Sugarcane.

423297. IK76-1. Pontianak Channel, Kapuas River, Borneo. Sea level. Local name "tebu kapur." Cultivated.
423298. IK76-14. Kapuas River, Krapas kampung, Borneo. Sea level. Originally from Pontianak. Local name "tebu." Cultivated.
423299. IK76-19. Kapuas River, Borneo. Elevation 48 m. Local name "tebu." Cultivated.
423300. IK76-31. Airport, Balikpapan, Borneo. Elevation 5 m. Chewing type. Cultivated.
423301. IK76-32. Samarinda Road, north of Balikpapan Airport, Borneo. Elevation 3 m. Wax on culms. Local name "tebu." Cultivated.
423302. IK76-33. Samarinda Road, north of Balikpapan Airport, Borneo. Elevation 3 m. Local name "tebu." Cultivated.
423303. IK76-35. Samarinda Road, north of Balikpapan Airport, Borneo. Elevation 3 m. Local name "tebu minasan" (sweet). Cultivated.
423304. IK76-37. West side of Balikpapan, Borneo. Elevation 5 m. Chewing type, possible hybrid. Local name "tebu katingan." Cultivated.
423305. IK76-51. Village agricultural plot, Kota Bangun, Mahakam River, Borneo. Elevation 78 m. Local name "tebu rau." Cultivated.
423306. IK76-53. Village agricultural plot, Kota Bangun, Mahakam River, Borneo. Elevation 78 m. Leaf chimera. Local name "tebu lais." Cultivated.
423307. IK76-54. Kota Bangun, Mahakam River, Borneo. Elevation 78 m. Local name "tebu katingan." Cultivated.
423308. IK76-58. Muara Uis, 24 km above Kota Bangun, Borneo. Elevation 80 m. Local name "teberau." Wild.
423309. IK76-59. Muara Uis, 24 km above Kota Bangun, Borneo. Elevation 80 m. Local name "tebu tele." Cultivated.
423310. IK76-60. Muara Uis, 24 km above Kota Bangun, Borneo. Elevation 80 m. Local name "tebu merah." Cultivated.
423311. IK76-61. Muara Uis, 24 km above Kota Bangun, Borneo. Elevation 80 m. Local name "tebu lamak." Cultivated.
423312. IK76-69. Krayan kampung, 75 km from Panajam, Borneo. Elevation 69 m. Local name "tebu manis." Cultivated.
423313. IK76-70. Krayan kampung, 75 km from Panajam, Borneo. Elevation 69 m. Cultivated.

423150 to 423509—Continued

423297 to 423392—Continued

423314. IK76-84. North 329 km from Panajam, Borneo. Elevation 30 m. Chewing type. Local name "tebu." Cultivated.
423315. IK76-85. North 330 km from Panajam, Borneo. Elevation 32 m. Chewing type. Local name "tebu." Cultivated.
423316. IK76-94. Tidung Pala, 80 km up Sesayap River from Tarakan, Borneo. Elevation 10 m. Yellow clone, chewing type. Local name "tebu." Cultivated.
423317. IK76-95. Tidung Pala, 80 km up Sesayap River from Tarakan, Borneo. Elevation 10 m. Local name "tebu." Cultivated.
423318. IK76-96. Tidung Pala, 80 km up Sesayap River from Tarakan, Borneo. Elevation 10 m. Leaves variegated. Local name "tebu." Cultivated.
423319. IK76-108. Antutan kampung (between Mara Dua and Tanjung Selor), Borneo. Elevation 39 m. Chewing type. Local name "tebu." Cultivated.
423320. IK76-112. Village just upstream on opposite bank to Tanjung Selor, Borneo. Elevation 20 m. Local name "tebu merah." Cultivated.
423321. IS76-116. Pelawak near Parigi, Celebes. Elevation 21 m. Sandy soil. Vigorous. Local name "tebu mas" (golden). Cultivated.
423322. IS76-124. Pandare, Palu-Kulawi Road, 35 km from Palu, Celebes. Elevation 96 m. Originally from Manado. Local name "tebu merah." Cultivated.
423323. IS76-146. Pakalu, 35 km north of Ujung Pandang, Celebes. Elevation 15 m. Chewing type. Local name "tebu." Cultivated.
423324. IS76-147. Takeang, 39 km from Ujung Pandang, Celebes. Elevation 38 m. Chewing type. Originally from Bone. Local name "tebu." Cultivated.
423325. IS76-155. Bulubulu kampung (between Ujung Pandang and Mares), 21 km from Ujung Pandang, Celebes. Elevation 66 m. Erect, to 4 m tall. Local name "tebu merah." Cultivated.
423326. IS76-161. Togo Togo, Jeneponto, 103 km from Ujung Pandang, Celebes. Elevation 24 m. Chewing type. Local name "tebu gading." Cultivated.
423327. IS76-200. Tondano, 44 km from Manado, Celebes. Elevation 680 m. Local name "tabu gula." Cultivated.
423328. IS76-203. Wasian kampung, Dimembe District, Celebes. Elevation 240 m. Local name "tebu merah." Cultivated.
423329. IS76-214. Poyowakecil kampung, Loloyan District, Celebes. Elevation 129 m. Leaves variegated. Chewing type. Local name "tebu." Cultivated.
423330. IS76-225. Kotamobagu, Celebes. Elevation 227 m. Chewing type. Cultivated.
423331. IS76-226. Kotamobagu, Celebes. Elevation 227 m. Chewing and medicinal type. Cultivated.

423150 to 423509—Continued**423297 to 423392—Continued**

423332. IM76-235. Ternate township, Ternate, North Moluccas. Elevation 2 m. Chewing type. Used for sugar production. Local name "tebu kuning." Cultivated.
423333. IM76-237. Ternate township, Ternate, North Moluccas. Elevation 12 m. Thin, red culms. Narrow, green leaves. Grown for medicinal purposes. Local name "tebu." Cultivated.
423334. IM76-244. Tentui Tantui, 2 km from Ambon, North Moluccas. Elevation 10 m. Chewing type. Local name "tebu." Cultivated.
423335. IM76-245. Halong Batu Batu, 4 km from Ambon, North Moluccas. Elevation 10 m. Chewing type. Cultivated.
423336. IM76-247. Lateri, Ambon, North Moluccas. Elevation 10 m. Chewing type. Local name "tebu." Cultivated.
423337. IM76-248. Waiheru, Ambon, North Moluccas. Elevation 10 m. Chewing type. Local name "tebu." Cultivated.
423338. IM76-249. Waiheru, Ambon, North Moluccas. Elevation 10 m. Chewing type. Local name "tebu." Cultivated.
423339. IM76-250. Telaga Kodak, Ambon, North Moluccas. Elevation 10 m. Chewing type. Local name "tebu merah." Cultivated.
423340. IJ76-291. Megapura kampung, Irian Jaya. Elevation 1,670 m. Chewing type. Local name "el telu" ("tebu merah"). Cultivated.
423341. IJ76-309. Napua kampung, Irian Jaya. Elevation 1,945 m. Chewing type. Local name "el." Cultivated.
423342. IJ76-313. Kalapa Lima kampung, Merauke, West Irian. Elevation 5 m. Flesh brown. Chewing type. Local name "awit" ("tebu makan"). Cultivated.
423343. IJ76-315. Experimental plot, Merauke Estates, West Irian. Elevation 5 m. Cultivated.
423344. IJ76-316. Experimental plot, Merauke Estates, West Irian. Elevation 5 m. Cultivated.
423345. IJ76-317. Experimental plot, Merauke Estates, West Irian. Elevation 5 m. Cultivated.
423346. IJ76-319. Experimental plot, Merauke Estates, West Irian. Elevation 5 m. Cultivated.
423347. IJ76-321. Kalapa Lima kampung, Merauke, West Irian. Elevation 5 m. Cultivated.
423348. IJ76-322. Bentu Air, Merauke, West Irian. Elevation 5 m. Cultivated.
423349. IJ76-324. Tanah Merah, West Irian. Elevation 60 m. Local name "awit." Cultivated.
423350. IJ76-325. Tanah Merah, West Irian. Elevation 60 m. Local name "awit." Cultivated.
423351. IJ76-326. Tanah Merah, West Irian. Elevation 60 m. Local name "awit." Cultivated.
423352. IJ76-328. Tanah Merah, West Irian. Elevation 60 m. Cultivated.

423150 to 423509—Continued**423297 to 423392—Continued**

423353. IJ76-361. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Cultivated.
423354. IJ76-372. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Cultivated.
423355. IJ76-418. Sentani Road, Kampung Harapan, West Irian. Elevation 90 m. Originally from Estates Experimental Farm (Merauke) collection. Cultivated.
423356. IJ76-419. Sentani Road, Kampung Harapan, West Irian. Elevation 90 m. Originally from Estates Experimental Farm (Merauke) collection. Cultivated.
423357. IJ76-420. Sentani Road, Kampung Harapan, West Irian. Elevation 90 m. Originally from Estates Experimental Farm (Merauke) collection. Local name "kapau ku." Cultivated.
423358. IJ76-428. Nabire, West Irian. Elevation 5 m. Originally from Manokwari/Wandamen District. Local name "towbu kuri." Cultivated.
423359. IJ76-429. Nabire, West Irian. Elevation 5 m. Chewing type. Cultivated.
423360. IJ76-432. Nabire, West Irian. Elevation 5 m. Red and yellow stripe. Originally from Manokwari/Wandamen District. Local name "towbu strip." Cultivated.
423361. IJ76-442. Nabire (inland outskirts), West Irian. Elevation 10 m. Leaves narrow. Cultivated.
423362. IJ76-454. Memijagi, above Lake Tage, southern shore, West Irian. Elevation 1,852 m. Brown flesh beneath rind. Local name "muti." Cultivated.
423363. IJ76-455. Memijagi, above Lake Tage, southern shore, West Irian. Elevation 1,852 m. Local name "teto." Cultivated.
423364. IJ76-456. Memijagi, above Lake Tage, southern shore, West Irian. Elevation 1,852 m. Local name "kepaija." Cultivated.
423365. IJ76-462. Makidimii, Agrbado River, West Irian. Elevation 1,750 m. Local name "kepaya." Cultivated.
423366. IJ76-463. Makidimii, Agrbado River, West Irian. Elevation 1,750 m. Local name "teto." Cultivated.
423367. IJ76-464. Makidimii, Agrbado River, West Irian. Elevation 1,750 m. Local name "manu." Cultivated.
423368. IJ76-466. Makidimii, Agrbado River, West Irian. Elevation 1,750 m. Local name "maduka muti." Cultivated.
423369. IJ76-468. Gakokotu, Agrbado River, West Irian. Elevation 1,750 m. Flesh brown, sweet. Local name "muti." Cultivated.
423370. IJ70-469. Gakokotu, Agrbado River, West Irian. Elevation 1,750 m. Leaf and leaf sheath variegated. Local name "pogiye." Cultivated.
423371. IJ76-470. Gakokotu, Agrbado River, West Irian. Elevation 1,750 m. Leaves glabrous, rough. Chewing type. Local name "pogiye." Cultivated.

423150 to 423509—Continued**423297 to 423392—Continued**

423372. IJ76-474. Kokonau, West Irian. Elevation 2 m. Local name "tepamone." Cultivated.
423373. IJ76-475. Kokonau, West Irian. Elevation 2 m. Cultivated.
423374. IJ76-477. Kokonau, West Irian. Elevation 2 m. Local name "kurpa." Cultivated.
423375. IJ76-478. Kokonau, West Irian. Elevation 2 m. Cultivated.
423376. IJ76-480. Kokonau, West Irian. Elevation 2 m. Local name "iromone." Cultivated.
423377. IJ76-514. Bintuni, West Irian. Elevation 5 m. Chewing type. Cultivated.
423378. IJ76-520. Bintuni, West Irian. Elevation 5 m. Chewing type. Cultivated.
423379. IJ76-521. Bintuni, West Irian. Elevation 5 m. Chewing type. Cultivated.
423380. IJ76-523. Bintuni, West Irian. Elevation 5 m. Chewing type. Cultivated.
423381. IJ76-525. Bintuni, West Irian. Elevation 5 m. Chewing type. Cultivated.
423382. IJ76-553. Amban, Manokwari, West Irian. Elevation 90 m. Originally from Japus Island. Cultivated.
423383. IJ76-554. Amban, Manokwari, West Irian. Elevation 90 m. Originally from Cenderawasih Peninsula lowlands. Cultivated.
423384. IJ76-556. Amban, Manokwari, West Irian. Elevation 90 m. Brown flesh beneath rind. Originally from Cenderawasih Peninsula lowlands. Cultivated.
423385. IJ76-558. Amban, Manokwari, West Irian. Elevation 90 m. Originally from Cenderawasih Peninsula lowlands. Cultivated.
423386. IJ76-559. Amban, Manokwari, West Irian. Elevation 90 m. Originally from Cenderawasih Peninsula lowlands. Cultivated.
423387. IJ76-560. Amban, Manokwari, West Irian. Elevation 90 m. Originally from Cenderawasih Peninsula lowlands. Cultivated.
423388. IJ76-561. Amban, Manokwari, West Irian. Elevation 90 m. Originally from Cenderawasih Peninsula lowlands. Cultivated.
423389. IJ76-562. Amban, Manokwari, West Irian. Elevation 90 m. Originally from Cenderawasih Peninsula lowlands. Cultivated.
423390. IJ76-564. Amban, Manokwari, West Irian. Elevation 90 m. Originally from Cenderawasih Peninsula lowlands. Cultivated.
423391. IJ76-566. Amban, Manokwari, West Irian. Elevation 90 m. Originally from Cenderawasih Peninsula lowlands. Cultivated.
423392. IJ76-567. Amban, Manokwari, West Irian. Elevation 90 m. Originally from Cenderawasih Peninsula lowlands. Cultivated.
- 423393 to 423475. SACCHARUM ROBUSTUM Brandes & Jeswiet ex Grassl
423393. IK76-2. Pontianak Channel, Kapuas River, Borneo. Sea level. Frequently cut. Chewing type. Local name "tebu." Cultivated.

423150 to 423509—Continued

423393 to 423475—Continued

423394. IK76-4. Pontianak Channel, Kapuas River, Borneo. Sea level. Leaves red. Local name "tebu selasih." Cultivated.
423395. IK76-29. Balikpapan, Borneo. Elevation 2 m. Leaves red. Used for medicinal purposes. Local name "tube merah." Cultivated.
423396. IK76-65. Forty-nine km from Panajam, Borneo. Elevation 39 m. Flesh red beneath rind. Leaves red. Cultivated.
423397. IK76-83. North 305 km from Panajam, Borneo. Elevation 40 m. Leaves red. Used for medicinal purposes. Local name "mandium." Cultivated.
423398. IS76-135. Palu-Oti Road, 34 km from Palu, Celebes. Elevation 30 m. Flesh red beneath rind. Leaves red. Used for medicinal purposes. Local name "tebu tabah." Cultivated.
423399. IS76-138. Palu-Oti Road, 59 km from Palu, Celebes. Elevation 69 m. Local name "biroh." Wild.
423400. IS76-187. Palopo-Masamba Road, 16 km from Palopo, Celebes. Elevation 20 m. Leaves red. Used for medicinal purposes. Local name "tebu hitam." (black). Cultivated.
423401. IS76-210. Pontak kampung, Motoling District, Celebes. Elevation 220 m. Leaves red. Chewing type. Local name "tebu." Cultivated.
423402. IM76-227. Kau River, Halmahera, North Moluccas. Sea level. Local name "jojo" Wild.
423403. IM76-228. Kau River, Halmahera, North Moluccas. Sea level. Leaves pubescent. Local name "jojo." Wild.
423404. IM76-229. Kau River, Halmahera, North Moluccas. Sea level. Waxy, white culm. Leaves bluish. Local name "jojo." Wild.
423405. IM76-231. Kau River, Halmahera, North Moluccas. Elevation 20 m. Vigorous. Thin, yellow, erect culms. Local name "jojo." Wild.
423406. IM76-232. Kau River, Halmahera, North Moluccas. Elevation 36 m. Pubescent with atypical, heavy waxing over pale yellow culms. Local name "jojo." Wild.
423407. IM76-239. Nine km from Ternate township, North Moluccas. Elevation 20 m. Local name "jojo." Wild.
423408. IM76-242. Fitu kampung, 35 km from Ternate, North Moluccas. Elevation 60 m. Leaves red. Used for medicinal purposes. Local name "tebu merah." Cultivated.
423409. IM76-252. Riwuapa River, 3 km upstream from Kairatu, Seram, North Moluccas. Elevation 10 m. Local name "tebu tebu." Wild.
423410. IM76-253. Riwuapa River, 3 km upstream from Kairatu, Seram, North Moluccas. Elevation 10 m. Local name "tebu tebu." Wild.
423411. IM76-256. Seram, Riwuapa River, North Moluccas. Elevation 5 m. Local name "tebu tebu." Wild.
423412. IM76-257. Seram, Riwuapa River, North Moluccas. Elevation 5 m. Local name "tebu tebu." Wild.
423413. IM76-258. Seram, Riwuapa River, North Moluccas. Elevation 5 m. Local name "tebu tebu." Wild.

423150 to 423509—Continued

423393 to 423475—Continued

423414. IM76-260. Seram, Riwuapa River, North Moluccas. Elevation 5 m. Local name "tebu tebu." Wild.
423415. IJ76-261. Airstrip Wamena, Baliem Valley, Irian Jaya. Elevation 1,649 m. Local name "jagat." Wild.
423416. IJ76-268. Wesama, Baliem Valley, Irian Jaya. Elevation 1,632 m. Local name "jagat." Wild.
423417. IJ76-273. Elegaima, Baliem Valley, Irian Jaya. Elevation 1,705 m. Small, thin culms. Local name "jagat." Wild.
423418. IJ76-282. Akima (above Baliem River), Irian Jaya. Elevation 1,680 m. Local name "jagat." Wild.
423419. IJ76-287. Wamena-Megapura path, Woma Kampung, Irian Jaya. Elevation 1,650 m. Local name "jagat." Wild.
423420. IJ76-293. Megapura-Hepoba path, Naligima kampung, Irian Jaya. Elevation 1,670 m. Wild.
423421. IJ76-294. Megapura-Hepoba path, Naligima kampung, Irian Jaya. Elevation 1,670 m. Wild.
423422. IJ76-296. Hepoba kampung, Irian Jaya. Elevation 1,675 m. Wild.
423423. IJ76-297. Hepoba kampung, Irian Jaya. Elevation 1,670 m. Swamp in *Casuarina* forest. Wild.
423424. IJ76-305. Napua path, 100 m from kampung walls, Irian Jaya. Elevation 1,940 m. *Imperata* grassland. Wild.
423425. IJ76-306. Napua path, 100 m from kampung walls, Irian Jaya. Elevation 1,940 m. *Imperata* grassland. Deep red young inflorescence. Wild.
423426. IJ76-314. Experimental plot, Merauke Estates, West Irian. Elevation 5 m. Leaves red. Originally from Wendu kampung (between mouth of Merauke and Kumbe Rivers). Cultivated.
423427. IJ76-318. Experimental plot, Merauke Estates, West Irian. Elevation 5 m. Cultivated.
423428. IJ76-339. Digul River, Tanah Merah-Wai, West Irian. Elevation 60 m. Vigorous, erect culms to 4 m tall, flesh red beneath rind. Wild.
423429. IJ76-355. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Red intercalary meristem. Wild.
423430. IJ76-356. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Red intercalary meristem. Wild.
423431. IJ76-369. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Red character, very pubescent. Wild.
423432. IJ76-371. Between Anggai and Butiptiri, West Irian. Elevation 50 m. Red character. Wild.
423433. IJ76-377. Butiptiri-Anggamburan, Kao River, West Irian. Elevation 50 m. Red character, leaves glabrous. Wild.
423434. IJ76-382. Butiptiri-Anggamburan, Kao River, West Irian. Elevation 60 m. Red character, leaves pubescent. Wild.
423435. IJ76-391. Butiptiri-Anggamburan, Kao River, West Irian. Elevation 60 m. Red character, leaves with fine pubescence. Wild.

423150 to 423509—Continued

423393 to 423475—Continued

423436. IJ76-399. Kao and Muyu River junction to Anggamburan, West Irian. Elevation 60 m. Red character, leaves glabrous. Wild.
423437. IJ76-411. Kampung Kamiri, Sentani, West Irian. Elevation 50 m. Leaves pubescent. Cultivated.
423438. IJ76-412. Kampung Kamiri, Sentani, West Irian. Elevation 50 m. Cane soft, leaves pubescent. Local name "tebu hutan." Wild.
423439. IJ76-414. Sentani Creek, Sentani, West Irian. Elevation 50 m. Wild.
423440. IJ76-416. Kampung Netar, West Irian. Elevation 50 m. Wild.
423441. IJ76-422. Sentani Road, Sentani-Jayapura, West Irian. Elevation 50 to 100 m. Leaves pubescent. Wild.
423442. IJ76-424. Sentani Road, Sentani-Jayapura, West Irian. Elevation 50 to 100 m. Leaves pubescent. Wild.
423443. IJ76-425. Sentani-Jayapura Road, Kota Raja, West Irian. Elevation 50 to 100 m. Leaves pubescent, red intercalary meristem. Wild.
423444. IJ76-426. Outskirts of town, Nabire River, West Irian. Elevation 5 m. Leaves pubescent. Local name "toto bui." Wild.
423445. IJ76-427. Outskirts of town, Nabire River, West Irian. Elevation 5 m. Leaves pubescent. Local name "toto bui." Wild.
423446. IJ76-434. Nabarowo Creek, West Irian. Elevation 5 m. Wild.
423447. IJ76-435. Nabarowo Creek, West Irian. Elevation 5 m. Leaves pubescent. Wild.
423448. IJ76-436. Nabarowo Creek, West Irian. Elevation 5 m. Leaves pubescent. Wild.
423449. IJ76-439. Kiribiri Creek (along coast north of Nabire), West Irian. Elevation 5 m. Leaves pubescent. Wild.
423450. IJ76-440. Kiribiri Creek (along coast north of Nabire), West Irian. Elevation 5 m. Leaves pubescent. Wild.
423451. IJ76-443. Nabire River, West Irian. Elevation 10 m. Leaves pubescent. Local name "tebu air" (Indonesian). Wild.
423452. IJ76-444. Nabire River, West Irian. Elevation 10 m. Sandy soil. Leaves pubescent. Wild.
423453. IJ76-449. Madii (on track east of Enarotali), West Irian. Elevation 1,840 m. Leaves glabrous, short and shiny. Local name "pagimoo." Wild.
423454. IJ76-450. Epouto (on track between southern arm of Lake Paniai and Lake Tage), West Irian. Elevation 1,826 m. Leaves glabrous. Local name "pagimoo." Cultivated.
423455. IJ76-458. Agrbado River (northeast of Lake Paniai), West Irian. Elevation 1,750 m. Mixed with *Phragmites* and other grasses. Leaves glabrous. Local name "pagimoo." Wild.
423456. IJ76-459. Agrbado River (northeast of Lake Paniai), West Irian. Elevation 1,750 m. Among riverbank, mixed with *Phragmites* and other grasses. Wild.

423150 to 423509—Continued

423393 to 423475—Continued

423457. IJ76-481. Mimika River (below junction with Kapare River), West Irian. Sea level. Leaves pubescent. Local name "hiraho." Wild.
423458. IJ76-489. Kapare River, West Irian. Sea level. Edge of forest, heavy shade. Culms thin. Very pubescent leaf sheath and blades. Wild.
423459. IJ76-493. Kapare River, West Irian. Sea level. Culms thin. Leaves pubescent. Wild.
423460. IJ76-494. Kapare River, West Irian. Sea level. Culms thin. Leaves pubescent. Wild.
423461. IJ76-496. Kapare River, West Irian. Sea level. Culms thin. Leaves pubescent, erect. Wild.
423462. IJ76-497. Kapare River, West Irian. Sea level. Culms thin. Leaves droopy, pubescent. Wild.
423463. IJ76-500. Mimika River (above junction with Kapare River), West Irian. Sea level. Thin, yellow culm. Heavily pubescent leaves, Wild.
423464. IJ76-507. Mimika River, West Irian. Sea level. Culms thin. Blade pubescent, sheath very pubescent. Wild.
423465. IJ76-509. Mimika River, West Irian. Sea level. Culms thin. Blade pubescent, sheath very pubescent. Wild.
423466. IJ76-510. Mimika River, West Irian. Sea level. Culms thin. Blade pubescent, sheath very pubescent. Wild.
423467. IJ76-518. Bintuni-Tembuni Road, West Irian. Elevation 5 m. Narrow, upright leaves. Wild.
423468. IJ76-519. Bintuni-Tembuni Road, West Irian. Elevation 5 m. Broad, droopy, moderately-red leaves. Wild.
423469. IJ76-522. Bintuni, West Irian. Elevation 5 m. Brown flesh beneath rind, red leaves. Chewing and medicinal type. Cultivated.
423470. IJ76-537. Tembuni River, below Tembuni, West Irian. Elevation 100 m. Leaves glabrous. Wild.
423471. IJ76-538. Tembuni River, West Irian. Elevation 100 m. Leaves glabrous. Wild.
423472. IJ76-540. Tembuni River, West Irian. Elevation 100 m. Leaves glabrous, intercalary meristem slightly pigmented. Wild.
423473. IJ76-543. Tembuni River, West Irian. Elevation 100 m. Leaves glabrous, faint pigmentation. Wild.
423474. IJ76-545. Tembuni River, West Irian. Elevation 100 m. Leaves glabrous. Wild.
423475. IJ76-547. Tembuni River, West Irian. Elevation 100 m. Leaves glabrous, red pigmentation. Wild.
- 423476 to 423508. SACCHARUM SPONTANEUM L.
423476. IK-5. Kapuas River (main channel just above exit of Pontianak channel), Borneo. Sea level. Local name "biroh." Wild.
423477. IK76-46. Mahakam River, Borneo. Elevation 10 m. In water. Local name "teberau." Wild.

423150 to 423509—Continued

423476 to 423508.—Continued

423478. IK76-49. Mahakam River (above Muara Kaman), Borneo. Elevation 67 m. Local name "teberau." Wild.
423479. IK76-50. Mahakam River (above Muara Kaman), Borneo. Elevation 68 m. Panicle small and compact. Local name "teberau." Wild.
423480. IK76-56. Mahakam River (2 km above Kota Bangun), Borneo. Elevation 70 m. Hard, sweet, chewing type. Local name "tebu ping ping" (slender). Cultivated.
423481. IK76-66. Fifty km from Panajam, Borneo. Elevation 40 m. Mixed *S. spontaneum*/*S. robustum* morphology. Wild.
423482. IK76-67. Fifty-six km from Panajam, Borneo. Elevation 60 m. Mixed *S. spontaneum*/*S. robustum* morphology. Wild.
423483. IK76-71. Eighty-three km from Panajam, Borneo. Elevation 69 m. Mixed *S. spontaneum*/*S. robustum* morphology. Wild.
423484. IK76-72. Ninety-five km from Panajam, Borneo. Elevation 69 m. Mixed *S. spontaneum*/*S. robustum* morphology. Wild.
423485. IK76-74. North 115 km from Panajam, Borneo. Elevation 70 m. Mixed *S. spontaneum*/*S. robustum* morphology. Wild.
423486. IK76-86. North 350 km from Panajam, Borneo. Elevation 30 m. Wild.
423487. IK76-100. Kayan River (northeast of Kalimantan), Borneo. Sea level. Thin, yellow culms. Short, erect leaves. Local name "tebarau." Wild.
423488. IS76-121. Palu-Kulawi Road, 6 km from Palu, Celebes. Elevation 5 m. Wild.
423489. IS76-122. Palu-Kulawi Road, 15 km from Palu, Celebes. Elevation 30 m. Small, tufted. Wild.
423490. IS76-132. Oo River, Kulawi kempung, Celebes. Elevation 600 m. Local name "biroh." Wild.
423491. IS76-137. Palu-Oti Road, 59 km from Palu, Celebes. Elevation 69 m. Culms thin. Local name "tanangge." Wild.
423492. IS76-151. Pange, 57 km from Ujung Pandang, Celebes. Elevation 253 m. Local name "awarang." Wild.
423493. IS76-152. Jabalu kampung, 90 km from Ujung Pandang, 4 km from Canba, Celebes. Elevation 370 m. Local name "awarang." Wild.
423494. IS76-154. Near Lapince River, Matampabulu, near Sopeng, Celebes. Elevation 153 m. Local name "awarang." Wild.
423495. IS76-159. Ten km from Jeneponto, 73 km from Ujung Pandang, Celebes. Elevation 2 m. Local name "pangake." Wild.
423496. IS76-164. Parepare Road, 136 km from Ujung Pandang, Celebes. Elevation 9 m. Local name "awarang." Wild.
423497. IS76-165. Along roadside, 163 km from Ujung Pandang, through Parepara, Celebes. Elevation 50 m. Wild.
423498. IS76-168. Mario kampung, 198 km from Ujung Pandang, Celebes. Elevation 39 m. Local name "awarang." Wild.

423150 to 423509—Continued

423476 to 423508.—Continued

423499. IS76-173. Forty-six km to Makale, 273 km from Ujung Pandang, Celebes. Elevation 537 m. Local name "biang." Wild.
423500. IS76-177. Thirty-three km before Makale, 287 m from Ujung Pandang, Celebes. Elevation 820 m. Mixed with *Erianthus* and *Miscanthus*. Local name "aroso." Wild.
423501. IS76-180. Fifty km from Palopo trou Rantepao, Celebes. Elevation 817 m. Wild.
423502. IS76-192. Palopo-Sengkang Road, 106 km from Palopo, Celebes. Elevation 30 m. Wild.
423503. IS76-196. Manado-Tomoon Road, 16 km from Manado, Celebes. Elevation 370 m. Wild.
423504. IS76-201. Coconut grove near Kema Sartu, Kauditan District, Celebes. Elevation 30 m. Local name "kano kano." Wild.
423505. IS76-207. Leindong kampung, Tomohon Wistrict, Celebes. Elevation 708 m. Wild.
423506. IS76-222. Hill above Ongkag Mongondow River, Lobong kampung, Passi District, Celebes. Elevation 154 m. Abundant, mixed with *Miscanthus*. Wild.
423507. IM76-238. Huda Creek, 3 km from Ternate township, North Moluccas. Elevation 20 m. Wild.
423508. IJ76-421. Sentani Road, Kabung Harapan, West Irian. Elevation 90 m. Wild.
423509. Undetermined.
IS76-166. Field, 167 km from Ujung Pandang through Parepare, Celebes. Elevation 62 m. Pronounced bud groove, elongated pointed eye. Upper leaf surface pubescent. Cultivated.

423510 to 423552. SACCHARUM (hybrid) Poaceae.

From United States. Cuttings presented by Hawaiian Sugar Planters Association, Alei. Numbered March 21, 1978.

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|-------------------|-------------------|
| 423510. H51-8194. | 423524. H68-2271. |
| 423511. H65-7277. | 423525. H68-5624. |
| 423512. H66-2959. | 423526. H68-5753. |
| 423513. H66-3236. | 423527. H68-7480. |
| 423514. H66-3569. | 423528. H69-0421. |
| 423515. H67-4014. | 423529. H69-0631. |
| 423516. H67-4348. | 423530. H69-0885. |
| 423517. H67-4365. | 423531. H69-1246. |
| 423518. H67-5630. | 423532. H69-2182. |
| 423519. H67-7241. | 423533. H69-2573. |
| 423520. H67-8741. | 423534. H69-5123. |
| 423521. H68-1158. | 423535. H69-5715. |
| 423522. H68-1496. | 423536. H69-8235. |
| 423523. H68-1599. | 423537. H69-8655. |

523510 to 423552—Continued

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| 423538. H70-0136. | 423546. H70-5145. |
| 423539. H70-0143. | 423547. H70-6210. |
| 423540. H70-0846. | 423548. H70-7128. |
| 423541. H70-1092. | 423549. H70-9039. |
| 423542. H70-1511. | 423550. H70-9380. |
| 423543. H70-2665. | 423551. H71-1075. |
| 423544. H70-3339. | 423552. H71-4919. |
| 423545. H70-5040. | |

423553 to 423558. SACCHARUM (hybrid) Poaceae.

From United States. Cuttings presented by Hawaiian Sugar Planters Association, Alei. Numbered March 21, 1978.

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|------------------|------------------|
| 423553. 57-5026. | 423556. 69-1077. |
| 423554. 57-5174. | 423557. 69-3971. |
| 423555. 69-0888. | 423558. 70-2920. |

423559 to 423576.

From Taiwan. Cuttings presented by Taiwan Sugar Research Institute, Tainan. Numbered March 21, 1978.

423559. *MISCANTHUS* sp. Poaceae.

M75-1.

423560. *MISCANTHUS* sp.

M75-10.

423561. *MISCANTHUS* sp.

M75-18.

423562. *MISCANTHUS* sp.

M75-30.

423563. *MISCANTHUS* sp.

M75-38.

423564. *MISCANTHUS* sp.

M75-41.

423565. *MISCANTHUS* sp.

M75-52.

423566. *MISCANTHUS* sp.

M75-62.

423567. *MISCANTHUS* sp.

M75-179.

423568 to 423576. SACCHARUM SPONTANEUM L. Poaceae.

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| 423568. S66-84. | 423573. S66-105. |
| 423569. S66-85. | 423574. S66-115. |
| 423570. S66-88. | 423575. S66-121. |
| 423571. S66-97. | 423576. S66-142. |
| 423572. S66-104. | |

423577 to 423588. SACCHARUM (hybrid) Poaceae.

From Taiwan. Cuttings presented by Taiwan Sugar Research Institute, Tainan. Numbered March 21, 1978.

423577. F 140.	423583. F 163.
423578. F 150.	423584. F 169.
423579. F 154.	423585. F 170.
423580. F 158.	423586. F 171.
423581. F 159.	423587. F 172.
423582. F 161.	423588. F 173.

423589 to 423592.

From Argentina. Seed presented by Instituto Nacional de Tecnologia Agropecuaria, Corrientes. Received February 23, 1978.

423589 and 423590. STYLOSANTHES FRUTICOSA (Retz.) Alst. Fabaceae.
423589. MeF 2916. Castelar.
423590. MeF 3053. Originally from Australia.
423591. STYLOSANTHES sp.
MeF 3139. Native.
423592. STYLOSANTHES sp.
MeF 3174. Native.

423593 to 423596.

From Bermuda. Seed collected by H. F. Winters, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Received March 10, 1978.

423593 to 423595. ASPARAGUS DENSIFLORUS (Kunth) Jessop Liliaceae. 'Sprengeri'.
423593. W-2048. Somerset Parish, Decumbent, perennial herb. Wild.
423594. W-2050. St. George's Parish. Decumbent, perennial herb. Wild.
423595. W-2051. Growing along roadside, Warwick Parish. Decumbent, perennial herb. Wild.
423596. ASPARAGUS FALCATUS L.
W-2049. Somerset Parish. Somewhat woody climber. Wild.

423597 to 423617. VOANDZEIA SUBTERRANEA (L.) Thou. Fabaceae. Bambarra groundnut.

From India. Seed presented by National Bureau of Plant Genetic Resources, Indian Agricultural Research Institute, New Delhi. Received March 6, 1978.

423597. E.C. 27879.
423598. E.C. 27881.
423599. E.C. 27881-P40.
423600. E.C. 27881-P48.
423601. E.C. 27881-P53.
423602. E.C. 37767.
423603. E.C. 37767-P1.

423597 to 423617—Continued

423604. E.C. 37782-A.
 423605. E.C. 37782-P14.
 423606. E.C. 38246-P2.
 423607. E.C. 38247. III. Red brownish. Originally from Kampala, Uganda.
 423608. E.C. 38247-P2.
 423609. E.C. 38247-P3.
 423610. E.C. 38247-P7.
 423611. E.C. 38248-P4.
 423612. E.C. 38248-P6.
 423613. E.C. 38248-P9.
 423614. E.C. 38249. VI. Yellow plain. Originally from Uganda.
 423615. E.C. 100048. GPC 343. Originally from Ghana.
 423616. E.C. 100049. GPC 340. Originally from Ghana.
 423617. E.C. 100050. GPC 341. Originally from Ghana.

423618. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From United States. Seed presented by Botanical Garden-Herbarium, University of California, Los Angeles, California. Received February 22, 1978.

Perennial to 2 m tall. Flowers bluish purple. Originally from Kenya.

423619 and 423620. NICOTIANA TABACUM L. Solanaceae.**Tobacco.**

From Yugoslavia. Seed presented by Slavko Jelcic, Director, Tobacco Institute, Duvanski Institute, Mostar. Received March 13, 1978.

423619. 'Stolac 17'. Very fine leaf structure and texture, low nicotine content. Flue cured. Susceptible to blue mold.

423620. 'Veliki Hercegovac' (Big Herzegovina). Local variety from Hercegovina, near Adriatic sea. Semi-oriental, high yielding. More than 50 leaves. Very resistant to blue mold.

423621 to 423624.

From Israel. Seed presented by A. Blum, Volcani Center, Agricultural Research Center, Bet Dagan. Received January 9, 1978.

423621. HORDEUM VULGARE L. Poaceae. **Barley.**
 Experance \times Volla "EV".

423622 and 423623. TRITICUM AESTIVUM L. Poaceae. **Common wheat.**
 423622. 'Barkai'.

423623. 'Lachish-1568-2'.

423624. TRITICUM DURUM Desf. **Durum wheat.**
 'Inbar'.

423625 to 423638. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Union of Soviet Socialist Republics. Tubers presented June 1976 by N. I. Vavilov Institute of Plant Industry, Leningrad. Numbered April 14, 1978.

423625. 'Belorusskij rannij'. Early variety. Byelorussia.

423625 to 423638—Continued

- 423626. 'Varmas'. Estonia.
- 423627. 'Maveevskij'. Far East.
- 423628. 'Rannij Zeltyj'. (Early yellow). Latvia.
- 423629. 'Detskospel'skij'. Moscow Region.
- 423630. 'Istrinskij'. Moscow Region.
- 423631. 'Pioner'. Far East.
- 423632. 'Kameraz'. Leningrad Region.
- 423633. 'Lajmdota'. Latvia.
- 423634. 'Belorusskij krahmalistyj. Starchy type. Byelorussia.
- 423635. 'Fantarnyj'. Moscow Region.
- 423636. 'Olev'. Estonia.
- 423637. 'Carnikavskij'. Latvia.
- 423638. 'Ogonek'. Byelorussia.

423639. SOLANUM sp. Solanaceae.

From Union of Soviet Socialist Republics. Tubers presented June 1976 by V. S. Lekhnovitch, N. I. Vavilov Institute of Plant Industry, Leningrad. Numbered April 21, 1978.

K-11289-1. 2061-21. Received as *S. ochoanum*. Originally from South Chilean Islands. Wild.

423640 to 423643. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Union of Soviet Socialist Republics. Tubers presented July 1977 by N. I. Vavilov Institute of Plant Industry, Leningrad. Numbered April 21, 1978.

- 423640. 'Arina'.
- 423641. 'Murmanskij'.
- 423642. No data.
- 423643. No data.

423644 to 423646. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Union of Soviet Socialist Republics. Tubers presented July 1977 by N. I. Vavilov Institute of Plant Industry, Leningrad. Numbered April 21, 1978.

- 423644. 'Kolpasevskij'.
- 423645. 'Narymskij Rannij'.
- 423646. 'Priobskij'.

423647 to 423649. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Netherlands. Tubers presented June 1976 by J. P. Mooi, Institute of Phytopathological Research, Binnehaven, Wageningen. Numbered April 21, 1978.

- 423647. 'Climax'.
- 423648. 'Saskia'.
- 423649. 'Vokal'.

423650 to 423663. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Netherlands. Tubers presented July 1976 by J. P. Mooi, Institute of Phytopathological Research, Binnehaven, Wageningen. Numbered April 21, 1978.

423650. R. R genotype.	423657. R1R2. R genotype.
423651. R1. R genotype.	423658. R1R3. R genotype.
423652. R2. R genotype.	423659. R1R4. R genotype.
423653. R3. R genotype.	423660. R1R2R3. R genotype.
423654. R4. R genotype.	423661. 'Eigenheimer'.
423655. R7. R genotype.	423662. 'Libertas'.
423656. R10. R genotype.	423663. 'Record'.

423664. PINUS GERARDIANA Wall. ex Lamb. Pinaceae. Pine.

From India. Seed presented by National Bureau of Plant Genetic Resources, Indian Agricultural Research Institute, New Delhi. Received March 2, 1978.

Simla, Himachal Pradesh.

423665 to 423667. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Peru. Cultures presented December 1977 by International Potato Center, Lima. Numbered April 21, 1978.

423665. C.I.P. 720025. Aseptic meristem culture.
423666. C.I.P. 720067. Aseptic meristem culture.
423667. C.I.P. 720088. Aseptic meristem culture.

423668 to 423673. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Netherlands. Tubers presented December 1977 by Ir. W. Prummel, Verenigde Kweekbedrijven (V.K.), Emmeloord. Numbered April 21, 1978.

423668. 'Siro'.	423671. 'V.K. 68-448'.
423669. 'Vekaro'.	423672. 'V.K. 69-491'.
423670. 'Vivaks'.	423673. 'V.K. 70-505'.

423674 and 423675. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Peru. Tissue cultures presented November 1977 by International Potato Center, Lima. Numbered April 21, 1978.

423674. 'Chata Blanca'. C.I.P. 702514.
423675. 'Sani Imilla'. C.I.P. 703240.

423676 to 423687. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Netherlands. Tubers presented June 1977 by Foundation for Agricultural Plant Breeding, Wageningen. Numbered April 21, 1978.

423676. GNT ₁ 76-12-59 triplo 3. Trisomic.

423676 to 423687—Continued

423677. GNA 72-5-6 triplo 4. Trisomic.
 423678. GNT₁ 74-16-23 triplo 4. Trisomic.
 423679. GNT₁ 75-3-14 triplo 6. Trisomic.
 423680. GNA 72-5-32 triplo 7. Trisomic.
 423681. GNA 72-5-23 triplo 8. Trisomic.
 423682. GNT₁ 73-23-29 triplo 8. Trisomic.
 423683. GNA 72-5-7 triplo 9. Trisomic.
 423684. GNT₁ 73-17-14 triplo 11. Trisomic.
 423685. GNT₁ 74-17-28 triplo 12. Trisomic.
 423686. GNT₁ 76-19-65 triplo 12. Trisomic.
 423687. GNT₁ 76-19-94 triplo 12. Trisomic.

423688 to 423704. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Netherlands. Tubers presented January 1978 by Foundation for Agricultural Plant Breeding, Wageningen. Numbered April 21, 1978.

423688. SDA 72-5-48 triplo 2. Trisomic.
 423689. GNT₁ 73-11-21 triplo 3. Trisomic.
 423690. GNT₁ 73-11-32 triplo 3. Trisomic.
 423691. GNT₁ 76-12-6 triplo 3. Trisomic.
 423692. GNT₁ 76-12-15 triplo 3. Trisomic.
 423693. GNT₁ 76-12-27 triplo 3. Trisomic.
 423694. GNT₁ 76-12-58 triplo 3. Trisomic.
 423695. GNT₁ 75-31-26 triplo 5. Trisomic.
 423696. GNT₁ 75-33-2 triplo 6. Trisomic.
 423697. GNT₁ 75-33-19 triplo 6. Trisomic.
 423698. GNT₁ 75-33-20 triplo 6. Trisomic.
 423699. GNT₁ 73-23-48 triplo 8. Trisomic.
 423700. GNT₁ 73-23-52 triplo 8. Trisomic.
 423701. GNT₂ 75-18-5 triplo 11. Trisomic.
 423702. GNT₂ 75-18-42 triplo 11. Trisomic.
 423703. GNT₂ 75-18-63 triplo 12. Trisomic.
 423704. GNT₁ 74-17-21 triplo 12. Trisomic.

423705. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Union of Soviet Socialist Republics. Seed presented November 1975 by N. I. Vavilov's Institute of Plant Industry, Leningrad. Numbered March 21, 1978.

VIR 2690. 'Arlington'. Twining stem tips, indeterminate, maturity group IV.

423706. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Korea. Seed presented March 1976 by Crop Improvement Research Center, Suweon. Numbered April 27, 1978.

'Oh-won No. 1'.

423707 to 423719. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Poland. Seed presented March 1976 by Jerzy Szyrmer, Soybean Laboratory, Plant Breeding and Acclimatization Institute, Radzikow, Warsaw, Blonie. Numbered April 27, 1978.

- | | |
|--------------------------|-------------------------------|
| 423707. 'Bydgoska 57'. | 423714. 'Murzynka'. |
| 423708. 'Bydgoska 71'. | 423715. 'Pulawska Wczesna'. |
| 423709. 'Bydgoska 72'. | 423716. 'SN-18'. |
| 423710. 'Bydgoska 74'. | 423717. 'Zlocista'. |
| 423711. 'Czarna Swhn'. | 423718. 'Zolta Przebedowska'. |
| 423712. 'Mazowiecka II'. | 423719. 'Zolta z Zolna'. |
| 423713. 'Mlochowska'. | |

423720 to 423863. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Korea. Seed collected by Shin-Han Kwon, Applied Genetics Laboratory, Korea Atomic Energy Research Institute, Seoul. Numbered April 27, 1978.

- 423720. KAERI-GNT 100-1-2. Seoul.
- 423721. KAERI-GNT 100-2. Seoul.
- 423722. KAERI-GNT 100-4-1. Seoul.
- 423723. KAERI-GNT 100-5-1. Seoul.
- 423724. KAERI-GNT 100-5-2. Seoul.
- 423725. KAERI-GNT 100-7. Seoul.
- 423726. KAERI-GNT 100-8-1. Seoul.
- 423727. KAERI-GNT 100-8-2. Seoul.
- 423728. KAERI-GNT 100-9. Seoul.
- 423729. KAERI-GNT 100-10-1. Seoul.
- 423730. KAERI-GNT 100-10-2. Seoul.
- 423731. KAERI-GNT 100-13-1. Seoul.
- 423732. KAERI-GNT 100-13-2. Seoul.
- 423733. KAERI-GNT 101-1. Seongnam area, Seoul.
- 423734. KAERI-GNT 130-1. Gapyeong County, Gyeonggi Province.
- 423735. KAERI-GNT 130-2. Gapyeong County, Gyeonggi Province.
- 423736. KAERI-GNT 130-3. Gapyeong County, Gyeonggi Province.
- 423737. KAERI-GNT 150-3. Ganghwa County, Gyeonggi Province.
- 423738. KAERI-GNT 150-17-3. Ganghwa County, Gyeonggi Province.
- 423739. KAERI-GNT 150-19-1. Ganghwa County, Gyeonggi Province.
- 423740. KAERI-GNT 150-19-2. Ganghwa County, Gyeonggi Province.
- 423741. KAERI-GNT 150-20. Ganghwa County, Gyeonggi Province.
- 423742. KAERI-GNT 150-21. Ganghwa County, Gyeonggi Province.
- 423743. KAERI-GNT 150-22. Ganghwa County, Gyeonggi Province.
- 423744. KAERI-GNT 150-23. Ganghwa County, Gyeonggi Province.
- 423745. KAERI-GNT 181-8. Anseong County, Gyeonggi Province.
- 423746. KAERI-GNT 200-9. Chuncheon County, Gangweon Province.

423720 to 423863—Continued

423747. KAERI-GNT 200-31. Chuncheon County, Gangweon Province.
 423748. KAERI-GNT 200-32. Chuncheon County, Gangweon Province.
 423749. KAERI-GNT 200-33. Chuncheon County, Gangweon Province.
 423750. KAERI-GNT 200-34. Chuncheon County, Gangweon Province.
 423751. KAERI-GNT 200-35. Chuncheon County, Gangweon Province.
 423752. KAERI-GNT 205-15-2. Hong-cheon County, Gangweon Province.
 423753. KAERI-GNT 205-16. Hong-cheon County, Gangweon Province.
 423754. KAERI-GNT 205-17. Hong-cheon County, Gangweon Province.
 423755. KAERI-GNT 205-18. Hong-cheon County, Gangweon Province.
 423756. KAERI-GNT 205-19. Hong-cheon County, Gangweon Province.
 423757. KAERI-GNT 205-20. Hong-cheon County, Gangweon Province.
 423758. KAERI-GNT 220-4. Weonju County, Gangweon Province.
 423759. KAERI-GNT 220-6. Weonju County, Gangweon Province.
 423760. KAERI-GNT 220-8. Weonju County, Gangweon Province.
 423761. KAERI-GNT 220-9. Weonju County, Gangweon Province.
 423762. KAERI-GNT 220-10. Weonju County, Gangweon Province.
 423763. KAERI-GNT 220-11. Weonju County, Gangweon Province.
 423764. KAERI-GNT 230-1. Yeongweol County, Gangweon Province.
 423765. KAERI-GNT 230-3. Yeongweol County, Gangweon Province.
 423766. KAERI-GNT 230-4. Yeongweol County, Gangweon Province.
 423767. KAERI-GNT 230-5. Yeongweol County, Gangweon Province.
 423768. KAERI-GNT 231-1. Jin Bou Myun, Pyeongchang County, Gangweon Province.
 423769. KAERI-GNT 231-2. Jin Bou Myun, Pyeongchang County, Gangweon Province.
 423770. KAERI-GNT 231-3. Jin Bou Myun, Pyeongchang County, Gangweon Province.
 423771. KAERI-GNT 231-4. Jin Bou Myun, Pyeongchang County, Gangweon Province.
 423772. KAERI-GNT 232-1. Jeongseon County, Gangweon Province.
 423773. KAERI-GNT 232-3. Jeongseon County, Gangweon Province.
 423774. KAERI-GNT 232-4. Jeongseon County, Gangweon Province.
 423775. KAERI-GNT 232-5. Jeongseon County, Gangweon Province.
 423776. KAERI-GNT 233-1. Sogcho City, Gangweon Province.
 423777. KAERI-GNT 233-2. Sogcho City, Gangweon Province.
 423778. KAERI-GNT 233-3. Sogcho City, Gangweon Province.
 423779. KAERI-GNT 233-4. Sogcho City, Gangweon Province.
 423780. KAERI-GNT 234-1. Mugho, Myeongju County, Gangweon Province.
 423781. KAERI-GNT 234-2. Mugho, Myeongju County, Gangweon Province.
 423782. KAERI-GNT 234-3. Mugho, Myeongju County, Gangweon Province.

423720 to 423863—Continued

423783. KAERI-GNT 234-4. Mugho, Myeongju County, Gangweon Province.
423784. KAERI-GNT 236-1. Jumunjin Up, Myeongju County, Gangweon Province.
423785. KAERI-GNT 236-2. Jumunjin Up, Myeongju County, Gangweon Province.
423786. KAERI-GNT 236-3. Jumunjin Up, Myeongju County, Gangweon Province.
423787. KAERI-GNT 236-4. Jumunjin Up, Myeongju County, Gangweon Province.
423788. KAERI-GNT 236-5. Jumunjin Up, Myeongju County, Gangweon Province.
423789. KAERI-GNT 236-6. Jumunjin Up, Myeongju County, Gangweon Province.
423790. KAERI-GNT 236-7. Jumunjin Up, Myeongju County, Gangweon Province.
423791. KAERI-GNT 236-8. Jumunjin Up, Myeongju County, Gangweon Province.
423792. KAERI-GNT 236-9. Jumunjin Up, Myeongju County, Gangweon Province.
423793. KAERI-GNT 236-10. Jumunjin Up, Myeongju County, Gangweon Province.
423794. KAERI-GNT 237-1. Yangyang County, Gangweon Province.
423795. KAERI-GNT 237-2. Yangyang County, Gangweon Province.
423796. KAERI-GNT 237-3. Yangyang County, Gangweon Province.
423797. KAERI-GNT 301-2. Gongju County, Chungcheong-Nam Province.
423798. KAERI-GNT 301-3. Gongju County, Chungcheong-Nam Province.
423799. KAERI-GNT 302-1. Geumsan County, Chungcheong-Nam Province.
423800. KAERI-GNT 302-2. Geumsan County, Chungcheong-Nam Province.
423801. KAERI-GNT 302-8. Geumsan County, Chungcheong-Nam Province.
423802. KAERI-GNT 304-1. Ogcheon County, Chungcheong-Bug Province.
423803. KAERI-GNT 304-2. Ogcheon County, Chungcheong-Bug Province.
423804. KAERI-GNT 304-5. Ogcheon County, Chungcheong-Bug Province.
423805. KAERI-GNT 304-6. Ogcheon County, Chungcheong-Bug Province.
423806. KAERI-GNT 331-2. Onyang County, Chungcheong-Nam Province.
423807. KAERI-GNT 331-3. Onyang County, Chungcheong-Nam Province.
423808. KAERI-GNT 331-4. Onyang County, Chungcheong-Nam Province.
423809. KAERI-GNT 339-1. Yesan County, Chungcheong-Nam Province.
423810. KAERI-GNT 339-2. Yesan County, Chungcheong-Nam Province.
423811. KAERI-GNT 339-7. Yesan County, Chungcheong-Nam Province.
423812. KAERI-GNT 339-8. Yesan County, Chungcheong-Nam Province.

423720 to 423863—Continued

423813. KAERI-GNT 339-9. Yesan County, Chungcheong-Nam Province.
423814. KAERI-GNT 339-10. Yesan County, Chungcheong-Nam Province.
423815. KAERI-GNT 339-11. Yesan County, Chungcheong-Nam Province.
423816. KAERI-GNT 355-1. Janghang Up, Seocheon County, Chungcheong-Nam Province.
423817. KAERI-GNT 355-2. Janghang Up, Seocheon County, Chungcheong-Nam Province.
423818. KAERI-GNT 355-3. Janghang Up, Seocheon County, Chungcheong-Nam Province.
423819. KAERI-GNT 355-4. Janghang Up, Seocheon County, Chungcheong-Nam Province.
423820. KAERI-GNT 355-5. Janghang Up, Seocheon County, Chungcheong-Nam Province.
423821. KAERI-GNT 355-6. Janghang Up, Seocheon County, Chungcheong-Nam Province.
423822. KAERI-GNT 360-10. Buyeo County, Chungcheong-Nam Province.
423823. KAERI-GNT 362-2. Cheongyang County, Chungcheong-Nam Province.
423824. KAERI-GNT 362-3. Cheongyang County, Chungcheong-Nam Province.
423825. KAERI-GNT 362-4. Cheongyang County, Chungcheong-Nam Province.
423826. KAERI-GNT 362-5. Cheongyang County, Chungcheong-Nam Province.
423827. KAERI-GNT 362-6. Cheongyang County, Chungcheong-Nam Province.
423828. KAERI-GNT 362-7. Cheongyang County, Chungcheong-Nam Province.
423829. KAERI-GNT 362-8. Cheongyang County, Chungcheong-Nam Province.
423830. KAERI-GNT 362-9. Cheongyang County, Chungcheong-Nam Province.
423831. KAERI-GNT 370-2. Boen County, Chungcheong-Bug Province.
423832. KAERI-GNT 370-12. Boen County, Chungcheong-Bug Province.
423833. KAERI-GNT 370-14. Boen County, Chungcheong-Bug Province.
423834. KAERI-GNT 370-15. Boen County, Chungcheong-Bug Province.
423835. KAERI-GNT 370-16. Boen County, Chungcheong-Bug Province.
423836. KAERI-GNT 370-17. Boen County, Chungcheong-Bug Province.
423837. KAERI-GNT 370-18. Boen County, Chungcheong-Bug Province.
423838. KAERI-GNT 370-19. Boen County, Chungcheong-Bug Province.
423839. KAERI-GNT 370-20. Boen County, Chungcheong-Bug Province.
423840. KAERI-GNT 370-21. Boen County, Chungcheong-Bug Province.
423841. KAERI-GNT 370-22. Boen County, Chungcheong-Bug Province.
423842. KAERI-GNT 370-23. Boen County, Chungcheong-Bug Province.
423843. KAERI-GNT 370-24. Boen County, Chungcheong-Bug Province.

423720 to 423863—Continued

- 423844. KAERI-GNT 380-16. Chungju County, Chungcheong-Bug Province.
- 423845. KAERI-GNT 380-17. Chungju County, Chungcheong-Bug Province.
- 423846. KAERI-GNT 390-1-1. Jecheon County, Chungcheong-Bug Province.
- 423847. KAERI-GNT 390-2. Jecheon County, Chungcheong-Bug Province.
- 423848. KAERI-GNT 390-24. Jecheon County, Chungcheong-Bug Province.
- 423849. KAERI-GNT 391-3. Danyang County, Chungcheong-Bug Province.
- 423850. KAERI-GNT 391-7. Danyang County, Chungcheong-Bug Province.
- 423851. KAERI-GNT 521-11. Imsil County, Junra-Bug Province.
- 423852. KAERI-GNT 521-13. Imsil County, Junra-Bug Province.
- 423853. KAERI-GNT 521-22. Imsil County, Junra-Bug Province.
- 423854. KAERI-GNT 542-11-2. Yeosu County, Junra-Nam Province.
- 423855. KAERI-GNT 571-9-3. Naju County, Junra-Nam Province.
- 423856. KAERI-GNT 602-8. Jinhe County, Gyeongsang-Nam Province.
- 423857. KAERI-GNT 610-5. Goseong County, Gyeongsang-Nam Province.
- 423858. KAERI-GNT 626-2. Habcheon County, Gyeongsang-Nam Province.
- 423859. KAERI-GNT 646-11. Geochang County, Gyeongsang-Nam Province.
- 423860. KAERI-GNT 646-13. Geochang County, Gyeongsang-Nam Province.
- 423861. KAERI-GNT 646-14. Geochang County, Gyeongsang-Nam Province.
- 423862. KAERI-GNT 651-8. Yeongju County, Gyeongsang-Bug Province.
- 423863. KAERI-GNT 680-4. Uljin County, Gyeongsang-Bug Province.

423864 to 423872. GLYCINE MAX (L.) Merr. Fabaceae.

Soybean.

From Japan. Seed presented April 1976 by T. Sanbuichi, Tokachi Agricultural Experiment Station, Obihiro, Hokkaido. Numbered April 27, 1978.

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| 423864. 'Miharu Daizu'. | 423869. 'Tenpoku Wase'. |
| 423865. 'Nakate Hikari Kuro'. | 423870. 'Tokachi Hadaka'. |
| 423866. 'Sakamoto wase'. | 423871. 'Toyosuzu'. |
| 423867. 'Shigomoshirazu 1'. | 423872. 'Wase Midori'. |
| 423868. 'Shigobana Tairyu Hadaka'. | |

423873 to 423899. GLYCINE MAX (L.) Merr. Fabaceae.

Soybean.

From Japan. Seed presented April 1976 by S. Matsumoto, Kariwano Branch, Tohoku Agricultural Experiment Station, Nishisenboku, Akita Ken. Symbols and numbers refer to Kariwano Code. Numbered April 27, 1978.

- 423873. 'Akasaya (Nagano)'. Df. 1017.
- 423874. 'Akasaya (Tottori)'. Fb 1001.

423873 to 423899—Continued

- 423875. 'Aokotsubu'. Ba 2004.
- 423876. 'Aokotsubu'. Cc 2002.
- 423877. 'Aokotsubu'. Jo 1023.
- 423878. 'Chudeppo'. De 1004.
- 423879. 'Chudeppo'. De 1005.
- 423880. 'Horai'. Ao 1052.
- 423881. 'Karikei 44'. Bb 1152.
- 423882. 'Karikei 61'. Bb 1153.
- 423883. 'Karikei 72'. Bb 1154.
- 423884. 'Karikei 73'. Bb 1155.
- 423885. 'Karumai'. Bb 1150.
- 423886. 'Kurosengoku'. Ha 4001.
- 423887. 'Miyagishirome'. Be 1025.
- 423888. 'Okushirome'. Bb 1148.
- 423889. 'Shirobana 1'. Co 1006.
- 423890. 'Shirohigo'. Be 1011.
- 423891. 'Shirome (Nagasaki)'. Hd 1004.
- 423892. 'Shiromenagaha'. Be 1018.
- 423893. 'Shirosennari'. Df 1025. 'Akasaya (Yamanashi)' × 'Shin Mejiro'.
- 423894. 'Shiro Tsurunoko'. Ao 1035.
- 423895. 'Taihaku 1'. Be 1023.
- 423896. 'Takei 6'. Bb 1085.
- 423897. 'Tamahikari'. Df 1029. 'Souga Zairai' × 'Chuu Teppou'.
- 423898. 'Tsurunotamago (Aomori)'. Ba 1019.
- 423899. 'Yuzuru'.

423900 to 423931. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Japan. Seed presented April 1976 by K. Mikoshiba, Kikyogahara Bunjo, Naganoken Nogyoshikenjo, Shiojiri-shi, Nagano-ken. Numbered April 27, 1978.

- 423900. 'Aisa'.
- 423901. 'Asahi'.
- 423902. 'Asajiro'.
- 423903. 'Enrei'. 'Norin 2' × 'Tousan 6 (Shirome yutake)'.
423904. 'Fukusen Nari'.
- 423905. 'Gin Daizu'.
- 423906. 'Gogaku'.
- 423907. 'Hakuhou 6'.
- 423908. 'Houjaku'.
- 423909. 'Kakuran Daizu'.
- 423910. 'Kakushin 1'.
- 423911. 'Mie Daizu'.

423900 to 423931—Continued

423912. 'Misuzu Daizu'. 'Touhoku 6 (Nemashirazu)' × 'Nagano 1 (Shinano Mejiro)'.
423913. 'Mizukuguri'.
423914. 'Nasu Shirome'. 'Touhoku 6 (Nemashirazu)' × 'Nagano 1 (Shinano Mejiro)'.
423915. 'Ogura Daizu'.
423916. 'Ooshika Daizu'.
423917. 'Oushoku Aki Daizu 34'.
423918. 'Sado Mame'.
423919. 'Sakagami 2'.
423920. 'Shiro Daizu (Tottori)'.
423921. 'Shirotae'. 'Souga Zairai' × 'Chuu Teppou'.
423922. 'Suzunari'.
423923. 'Tamahikari'.
423924. 'Tamazoroi'.
423925. 'Tatsuno Zairai'.
423926. 'Tousan 72'. 'Shiromeyutaka' × 'NC1-2-2'.
423927. 'Touson 93'. 'Fujimijiro' × ('NC1-2-2' × 'Fujimijiro').
423928. 'Uda Daizu'.
423929. 'Wase Asajiro'.
423930. 'Wase Hadaka'.
423931. 'Yamabe Daizu'.

423932 to 423955. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Japan. Seed presented April 1976 by I. Iwata, Kumamoto Branch, Kyushu Agricultural Experiment Station, Kumamoto. Numbered April 27, 1978.

423932. 'Ishibaru Daizu'. Summer season type.
423933. 'Kin'. Summer season type.
423934. 'Kisaya Daizu'. Summer season type.
423935. 'Kyushu 77'. Summer season type.
423936. 'Kyushu 87'. Summer season type.
423937. 'Kyushu 90'. Summer season type.
423938. 'Matsuba Daizu'. Summer season type.
423939. 'Meguro'. Summer season type.
423940. 'Natsu Daizu 1'. Summer season type.
423941. 'Orihime'. Summer season type.
423942. 'Saikai 1'. Summer season type.
423943. 'Saikai 5'. Summer season type.
423944. 'Saikai 11'. Summer season type.
423945. 'Saikai 12'. Summer season type.
423946. 'Saikai 13'. Summer season type.

423932 to 423955—Continued

- 423947. 'Saikai 16'. Summer season type.
- 423948. 'Saikai 18'. Summer season type.
- 423949. 'Saikai 20'. Summer season type.
- 423950. 'Saikai 22'. Summer season type.
- 423951. 'Saikai 24'. Summer season type.
- 423952. 'Saikai 27'. Summer season type.
- 423953. 'Sako 25-36'. Summer season type.
- 423954. 'Shirome'. Summer season type.
- 423955. 'Shirosaya 1'. Summer season type.

423956 to 423972. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Japan. Seed presented April 1976 by I. Iwata, Kumamoto Branch, Kyushu Agricultural Experiment Station, Kumamoto. Numbered April 27, 1978.

- 423956. 'Akisengoku'. Autumn season type.
- 423957. 'Ano 2'. Autumn season type.
- 423958. 'Asoagari'. Autumn season type.
- 423959. 'Asomusume'. Autumn season type.
- 423960. 'Gokudaizu'. Autumn season type.
- 423961. 'Hondo'. Autumn season type.
- 423962. 'Hyuga'. Autumn season type.
- 423963. 'Izumi'. Autumn season type.
- 423964. 'Kudao Zairai'. Autumn season type.
- 423965. 'Kumadaizu'. Autumn season type.
- 423966. 'Kumaji 2'. Autumn season type.
- 423967. 'Nabeshima'. Autumn season type.
- 423968. 'Oita Akidaizu 1'. Autumn season type.
- 423969. 'Ono Zairai'. Autumn season type.
- 423970. 'Oshoku Akidaizu'. Autumn season type.
- 423971. 'Ozu-ura'. Autumn season type.
- 423972. 'Takema'. Autumn season type.

423973 to 423980. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Japan. Seed presented June 1976 by S. Matsumoto and K. Hashimoto, Kariwano Branch, Tohoku Agricultural Experiment Station. Letters and numbers refer to Kariwano codes. Numbered April 27, 1978.

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| 423973. 'Chizuka Ibaragi 1'. Cc 1020. | 423977. 'Rikuu 27'. Bb 1062. |
| 423974. 'Fujimusume'. Hb 1003. | 423978. 'Tamanishiki'. Eg 1001. |
| 423975. 'Iyodaizu'. Gh 2001. | 423979. 'Tsurunoko'. Ao 1038. |
| 423976. 'Miyashiro'. Cc 1018. | 423980. 'Tsurunoko'. Ao 1039. |

423981 to 423987. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Japan. Seed presented June 1976 by I. Iwata, Kumamoto Branch, Kyushu Agricultural Experiment Station, Kumamoto. Numbered April 27, 1978.

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| 423981. 'Akasaya (Gifu)'. | 423985. 'Akasaya (Osaka)'. |
| 423982. 'Akasaya (Niigata)'. | 423986. 'Akasaya (Toyama)'. |
| 423983. 'Akasaya (Oita)'. | 423987. 'Fujimusume'. |
| 423984. 'Akasaya (Okayama Tsuyama)'. | |

423988 to 424003. GLYCINE SOJA Sieb. & Zucc. Fabaceae.**Wild soybean.**

From Union of Soviet Socialist Republics. Seed presented May 1976 by N. I. Vavilov Institute of Plant Industry, Leningrad. Numbered April 27, 1978.

- 423988. F7. J-077630. Amur Region. Wild.
- 423989. F8. J-077631. Amur Region. Wild.
- 423990. F9. J-077632. Amur Region. Wild.
- 423991. F10. J-077633. Amur Region. Wild.
- 423992. F11. J-077634. Amur Region. Wild.
- 423993. F12. J-077635. Amur Region. Wild.
- 423994. F13. J-077636. Amur Region. Wild.
- 423995. F14. J-077637. Amur Region. Wild.
- 423996. F15. J-077638. Amur Region. Wild.
- 423997. F16. J-077639. Amur Region. Wild.
- 423998. F17. J-077640. Amur Region. Wild.
- 423999. F18. J-077641. Amur Region. Wild.
- 424000. F19. J-077642. Amur Region. Wild.
- 424001. F20. J-077643. Amur Region. Wild.
- 424002. F21. J-077644. Amur Region. Wild.
- 424003. F22. J-077645. Amur Region. Wild.

424004 to 424130. GLYCINE SOJA Sieb. & Zucc. Fabaceae.**Wild soybean.**

From Korea. Seed collected 1974 and presented February 1976 by S. K. Kim, Upland Crop Division, Crop Experiment Station, Suweon. Numbered April 27, 1978.

- 424004. 74001. Sung-gok Ri, Goon-ja Myeon, Shih-heung County, Gyeonggi Province.
- 424005. 74002. Sung-gok Ri, Goon-ja Myeon, Shih-heung County, Gyeonggi Province.
- 424006. 74004. Orchard, Goo-po 2 Ri, Bi-bong Myton, Hwa-sung County, Gyeonggi Province.
- 424007. 74005. By bridge, Nam-yang 3 Ri, Nam-yang Myeon, Hwa-sung County, Gyeonggi Province.
- 424008. 74006. By bridge, Nam-yang 3 Ri, Nam-yang Myeon, Hwa-sung County, Gyeonggi Province.

424004 to 424130—Continued

424009. 74007. By bridge, Nam-yang 3 Ri, Nam-yang Myeon, Hwa-sung County, Gyeonggi Province.
424010. 74008. Nok-won house, Agricultural College, Seoul National University, Suweon.
424011. 74009. Nok-won house, Agricultural College, Seoul National University, Suweon.
424012. 74010. Nok-won house, Agricultural College, Seoul National University, Suweon.
424013. 74011. South of tennis court, Crop Experiment Station, Suweon.
424014. 74012. Southeast of tennis court, Crops Experiment Station, Suweon.
424015. 74013. Nam-sun mu-ru, Eun-hyun Myeon, Yang-joo County, Gyeonggi Province.
424016. 74014. Cha-dan 2 Ri, Yun-chun Myeon, Yun-chun County, Gyeonggi Province.
424017. 74015. Near Mt. Mang-gok, Yun-chun Myeon, Yun-chun County, Gyeonggi Province.
424018. 74016. On Mt. Im-si Jong, Yun-chun Myeon, Yun-chun County, Gyeonggi Province.
424019. 74017. In front of village, Joong Myeon, Yun-chun County, Gyeonggi Province.
424020. 74018. Han-tan river, Jun-gok Myeon, Pa-joo County, Gyeonggi Province.
424021. 74019. Jun-gok station, Jun-gok Myeon, Pa-joo County, Gyeonggi Province.
424022. 74020. Young-song Ri, Young-joong Myeon, Po-chun County, Gyeonggi Province.
424023. 74021. Yang-moon Ri, Young-book Myeon, Po-chun County, Gyeonggi Province.
424024. 74022. Young-song Ri, Young-joong Myeon, Po-chun County, Gyeonggi Province.
424025. 74023. Gacha 1 Ri, Shin-book Myeon, Pocheon County, Gyeonggi Province.
424026. 74024. Yank-moon Ri, Young-book Myeon, Po-chun County, Gyeonggi Province.
424027. 74025. Lake San-jung, Eun-chun Ri, Young-book Myeon, Po-chun County, Gyeonggi Province.
424028. 74026. Eun-chun Ri, Young-book Myeon, Po-chun County, Gyeonggi Province.
424029. 74027. Near Lake San-jung, Eun-chun Ri, Young-book Myeon, Po-chun County, Gyeonggi Province.
424030. 74033. Dai-gok Ri, Ga-pyung Myeon, Ga-pyung County, Gyeonggi Province.
424031. 74034. Dai-gok Ri, Ga-pyung Myeon, Ga-pyung County, Gyeonggi Province.

424004 to 424130—Continued

424032. 74035. Ma-san Ri, Nam Myeon, Yang-joo County, Gyeonggi Province.
424033. 74036. Han-gang Ri, Nam Myeon, Yang-joo County, Gyeonggi Province.
424034. 74037. Dong Ri, Nam Myeon, Yang-joo County, Gyeonggi Province.
424035. 74038. Chang Ri, Nam Myeon, Yang-joo County, Gyeonggi Province.
424036. 74039. Dong Myeon, Yang-joo County, Gyeonggi Province.
424037. 74040. Han-gang Ri, Nam Myeon, Yang-joo County, Gyeonggi Province.
424038. 74053. Near railroad, Oi-byun Myeon, Yang-pyung County, Gyeonggi Province.
424039. 74054. Base of Mt. Young-moon, Oi-byun Myeon, Yang-pyung County, Gyeonggi Province.
424040. 74055. Wol-san Ri, Ji-je Myeon, Yang-pyung County, Gyeonggi Province.
424041. 74056. Ah-shin Ri, Ok-chun Myeon, Yang-pyung County, Gyeonggi Province.
424042. 74057. Yang-soo Ri, Yang-pyung County, Gyeonggi Province.
424043. 74058. Paldang Ri, Wa-bu Myeon, Yang-joo County, Gyeonggi Province.
424044. 74059. Paldang Ri, Wa-bu Myeon, Yang-joo County, Gyeonggi Province.
424045. 74060. Paldang Ri, Wa-bu Myeon, Yang-joo County, Gyeonggi Province.
424046. 74061. Wa-bu Ri, Wa-bu Myeon, Yang-joo County, Gyeonggi Province.
424047. 74062. Duk-so Ri, Mi-goop Myeon, Yang-joo County, Gyeonggi Province.
424048. 74063. Duk-so Ri, Mi-goop Myeon, Yang-joo County, Gyeonggi Province.
424049. 74064. Sa-neung Ri, Jin-gun Myeon, Yang-joo County, Gyeonggi Province.
424050. 74065. Goom-gok Ri, Mi-goom Myeon, Yang-joo County, Gyeonggi Province.
424051. 74066. Sa-neung Ri, Jin-gun Myeon, Yang-joo County, Gyeonggi Province.
424052. 74067. Goom-gok Ri, Mi-grrm Myeon, Yang-joo County, Gyeonggi Province.
424053. 74068. Duk-so Ri, Mi-goom Myeon, Yang-joo County, Gyeonggi Province.
424054. 74069. Sa-neung Ri-Jin-gun Myeon, Yang-joo County, Gyeonggi Province.
424055. 74070. Sa-neung Ri-Jin-gun Myeon, Yang-joo County, Gyeonggi Province.

424004 to 424130—Continued

424056. 74028. Shin-chul won, by Cooperative Association, Gangweon Province.
424057. 74029. Ji-po Ri, Shin-chul-won Myeon, Chul-won County, Gangweon Province.
424058. 74030. Moon-ye Ri, Seom Myeon, Chul-won County, Gangweon Province.
424059. 74031. Chung-yang Ri, Seo Myeon, Chul-won County, Gangweon Province.
424060. 74032. In front of the Army Division, Moon-dan Ri, Seo Myeon, Chul-won County, Gangweon Province.
424061. 74041. Hyo-ja Dong, Choon-chun City, Gangweon Province.
424062. 74042. By ascending road, Oh-om Ri, Shin-book Myeon, Choon-sung County, Gangweon Province.
424063. 74043. Near So-yang River, Seo Myeon, Choon-sung County, Gangweon Province.
424064. 74044. Ma-san Ri, Nam Myeon, Yang-goo County, Gangweon Province.
424065. 74045. Song-woo Ri, Nam Myeon, Yang-goo County, Gangweon Province.
424066. 74046. Won-tong Ri, In-je County, Gangweon Province.
424067. 74048. Won-tong Ri, In-je County, Gangweon Province.
424068. 74049. Jang-soo Ri, In-je County, Gangweon Province.
424069. 74050. Southern Mountain, Hong-chun Eup, Hong-chun County, Gangweon Province.
424070. 74051. Yun-bong Ri, Hong-chun Eup, Hong-chun County, Gangweon Province.
424071. 74052. Shangho-an Ri, Nam Myeon, Hong-chun County, Gangweon Province.
424072. 74071. Ma-san Ri, Hwaing-sung Myeon, Hwaing-sun County, Gangweon Province.
424073. 74072. Jo-gok Ri, Hwaing-sung Myeon, Hwaing-sun County, Gangweon Province.
424074. 74073. Choo-dong Ri, Woo-chun Myeon, Hwaing-sun County, Gangweon Province.
424075. 74074. Sang-an Ri, Am-heung Myeon, Hwaing-sung County, Gangweon Province.
424076. 74075. Dai-hwa 3 Ri, Dai-hwa Myeon, Pyung-chang County, Gangweon Province.
424077. 74076. Dai-hwa 7 Ri, Dai-hwa Myeon, Pyung-chang County, Gangweon Province.
424078. 74077. Young-jun Ri, Jin-bu Myeon, Pyung-chang County, Gangweon Province.
424079. 74079. Song-gye 1 Ri, Im-gye Myeon, Jung-sun County, Gangweon Province.

424004 to 424130—Continued

424080. 74080. By ascending road, Nu-geu Ri, Im-gye Myeon, Jun-sun County, Gangweon Province.
424081. 74081. Ma-cha 3 Ri, Book Myeon, Young-wool County, Gangweon Province.
424082. 74082. Sokma-cha Ri, Book Myeon, Young-wool County, Gangweon Province.
424083. 74083. Moon-gok 3 Ri, Book Myeon, Young-wool County, Gangweon Province.
424084. 74085. Yun-dang 4 Ri, Nam Myeon, Young-wool County, Gangweon Province.
424085. 74159. In front of Wol-jung Temple, Bi-an Ri, Jin-bu Myeon, Pyung-chang County, Gangweon Province.
424086. 74086. Moo-do Ri, Song-hak Myeon, Je-chun County, Chungcheong Bug Province.
424087. 74087. Jang-rak Ri, Je-chun Eup, Je-chun County, Chungcheong Bug Province.
424088. 74088. In front of Jang-rak Temple, Je-chun County, Chungcheong Bug Province.
424089. 74089. Soo-san market, Soo-san Myeon, Je-chun County, Chungcheong Bug Province.
424090. 74090. Han-kwang Ri, Han-soo Myeon, Je-chun County, Chungcheong Bug Province.
424091. 74091. Sam-gok Ri, Mai-po Myeon, Dan-yang County, Chungcheong Bug Province.
424092. 74092. Chun-ma Pyo Ri, Mai-po Myeon, Dan-yang County, Chungcheong Bug Province.
424093. 74093. Joong-bang Ri, Dan-yang Myeon, Dan-yang County, Chungcheong Bug Province.
424094. 74094. Sam-yang Ri, Ok-chun Eup, Ok-chun County, Chungcheong Bug Province.
424095. 74095. Hwang-gan Ri, Hwang-gan Myeon, Young-dong County, Chungcheong Bug Province.
424096. 74148. Gab-sa Temple, Gong-ju Eup, Gong-ju County, Chungcheong Nam Province.
424097. 74096. Jik-ji sa Temple, Dai-hang Myeon, Goom-neung County, Gyeongsang Bug Province.
424098. 74097. Joong-wong Dong, U-mo Myeon, Goom-neung County, Gyeongsang Bug Province.
424099. 74098. Pyun-chun 2 Gu, Gong-seung Myeon, Sang-joo County, Gyeongsang Bug Province.
424100. 74099. Won-jang 2 Ri, Chung-ri Myeon, Sang-joo County, Gyeongsang Bug Province.
424101. 74100. Yang-jang 2 Ri, Chung-ri Myeon, Sang-joo County, Gyeongsang Bug Province.
424102. 74101. Yang-jung Ri, Gong-gum Myeon, Sang-joo County, Gyeongsang Bug Province.

424004 to 424130—Continued

424103. 74102.
424104. 74103. Shin-hyun Ri, Ma-sung Myeon, Moon-kyung County, Gyeongsang Bug Province.
424105. 74104. Near Moon-kyung High School, Moon-kyung Myeon, Moon-kyung County, Gyeongsang Bug Province.
424106. 74105. Dong-bu Ri, Young-goong Myeon, Ye-chun County, Gyeongsang Bug Province.
424107. 74106. Ban-gui Ri, Jang-soo Myeon, Young-joo County, Gyeong-sang Bug Province.
424108. 74107. On-chun Station, Book-hoo Myeon, An-dong County, Gyeongsang Bug Province.
424109. 74108.
424110. 74109. Jung-hwa Ri, Nam-sun Myeon, An-dong County, Gyeong-sang Bug Province.
424111. 74111. Myeon town, Jin-bo Myeon, Chung-song County, Gyeonsang Bug Province.
424112. 74112. Dal-mak 2 Dong, Chung-song Myeon, Chung-song County, Gyeongsang Bug Province.
424113. 74113. Mt. Joo-wang, Sang-ri Dong, Boo-dong Myeon, Chung-song County, Gyeongsang Bug Province.
424114. 74114. Ai-ryun Dong, Chung-tong Myeon, Young-chun County, Gyeongsang Bug Province.
424115. 74115. Dai-jun Dong, Young-chun Eup, Young-chun County, Gyeongsang Bug Province.
424116. 74116. Nai-hwai Dong, Im-go Myeon, Young-chun County, Gyeongsang Bug Province.
424117. 74117. Im-po Dong, Book-an Myeon, Young-chun County, Gyeong-sang Province.
424118. 74118. In front of Moo-yul Wang-neung, Seo-hak Dong, Kyung-joo City, Gyeongsang Bug Province.
424119. 74179. Ai-ryun Ri, Chung-tong Myeon, Young-chun County, Gyeongsang Bug Province.
424120. 74127. Bong-gye Ri, Goo-dong Myeon, Wool-joo County, Gyeong-sang Nam Province.
424121. 74129. Mai-doon Ri, Hwai-hwa Myeon, Go-sung County, Gyeong-sang Nam Province.
424122. 74134. Seog-chun Ri, Yang-san Myeon, Yong-san County, Gyeongsang Nam Province.
424123. 74137. Bong-gye Ri, Goo-dong Myeon, Wool-joo County, Gyeongsang Nam Province.
424124. 74145. By river, Na-hwa Myeon, Wol-sung County, Gyeongsang Nam Province.
424125. 74119. Chung-eup at entrance to Nai-jang-sa Temple, Jeonra Bug Province.

424004 to 424130—Continued

424126. 74120. Chung-eup at entrance to Nai-jang-sa Temple, Jeonra Bug Province.
424127. 74121. Chung-eup at entrance to Nai-jang-sa Temple, Jeonra Bug Province.
424128. 74122. Chung-eup at entrance to Nai-jang-sa Temple, Jeonra Bug Province.
424129. 74123 Chung-eup at entrance to Nai-jang-sa Temple, Jeonra Bug Province.
424130. 74124. Chung-eup at entrance to Nai-jang-sa Temple, Jeonra Bug Province.

424131 to 424133. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Rhodesia. Seed presented by J. R. Tattersfield, Salisbury Research Station, Causeway. Received March 28, 1978.

424131. 'Buffalo'. F₇ line from 'Hernon 147' × 'Geduld'.
424132. 'Geduld'. Originally from South Africa.
424133. 'Hernon 147'. Originally from Rhodesia.

424134 to 424189. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Korea. Seed collected by Shin-Han Kwon, Applied Genetics Laboratory, Korea Atomic Energy Research Institute, Seoul. Received March 28, 1978.

424134. KAERI-GNT 629-1. Gunwi County, Gyeongsang Bug Province.
424135. KAERI-GNT 629-2. Gunwi County, Gyeongsang Bug Province.
424136. KAERI-GNT 629-3. Gunwi-County, Gyeongsang Bug Province.
424137. KAERI-GNT 629-4. Gunwi County, Gyeongsang Bug Province.
424138. KAERI-GNT 629#5. Gunwi County, Gyeongsang Bug Province.
424139. KAERI-GNT 629-6. Gunwi County, Gyeongsang Bug Province.
424140. KAERI-GNT 629-7. Gunwi County, Gyeongsang Bug Province.
424141. KAERI-GNT 629-8. Gunwi County, Gyeongsang Bug Province.
424142. KAERI-GNT 641-1. Seonsan County, Gyeongsang Bug Province.
424143. KAERI-GNT 641-2. Seonsan County, Gyeongsang Bug Province.
424144. KAERI-GNT 641-3. Seonsan County, Gyeongsang Bug Province.
424145. KAERI-GNT 641-4. Seonsan County, Gyeongsang Bug Province.
424146. KAERI-GNT 641-5. Seonsan County, Gyeongsang Bug Province.
424147. KAERI-GNT 642-1. Sangju County, Gyeongsang Bug Province.
424148. KAERI-GNT 642-2. Sangju County, Gyeongsang Bug Province.
424149. KAERI-GNT 642-3. Sangju County, Gyeongsang Bug Province.
424150. KAERI-GNT 642-5. Sangju County, Gyeongsang Bug Province.
424151. KAERI-GNT 642-6. Sangju County, Gyeongsang Bug Province.
424152. KAERI-GNT 642-7. Sangju County, Gyeongsang Bug Province.
424153. KAERI-GNT 643-1. Cheongdo County, Gyeongsang Nam Province.
424154. KAERI-GNT 643-2. Cheongdo County, Gyeongsang Nam Province.

424134 to 424189—Continued

424155. KAERI-GNT 643-3. Cheongdo County, Gyeongsang Nam Province.
 424156. KAERI-GNT 643-4. Cheongdo County, Gyeongsang Nam Province.
 424157. KAERI-GNT 643-5. Cheongdo County, Gyeongsang Nam Province.
 424158. KAERI-GNT 643-7. Cheongdo County, Gyeongsang Nam Province.
 424159. KAERI-GNT 643-8. Cheongdo County, Gyeongsang Nam Province.
 424160. KAERI-GNT 643-9. Cheongdo County, Gyeongsang Nam Province.
 424161. KAERI-GNT 643-10. Cheongdo County, Gyeongsang Nam Province.
 424162. KAERI-GNT 644-1. Gyungshan County, Gyongsang Nam Province.
 424163. KAERI-GNT 644-2. Gyungshan County, Gyongsang Nam Province.
 424164. KAERI-GNT 644-3. Gyungshan County, Gyongsang Nam Province.
 424165. KAERI-GNT 644-4. Gyungshan County, Gyongsang Nam Province.
 424166. KAERI-GNT 644-5. Gyungshan County, Gyongsang Nam Province.
 424167. KAERI-GNT 644-6. Gyungshan County, Gyongsang Nam Province.
 424168. KAERI-GNT 644-7. Gyungshan County, Gyongsang Nam Province.
 424169. KAERI-GNT 644-9. Gyungshan County, Gyongsang Nam Province.
 424170. KAERI-GNT 662-1. Cheongson County, Gyongsang Bug Province.
 424171. KAERI-GNT 662-2. Cheongson County, Gyongsang Bug Province.
 424172. KAERI-GNT 662-3. Cheongson County, Gyongsang Bug Province.
 424173. KAERI-GNT 662-4. Cheongson County, Gyongsang Bug Province.
 424174. KAERI-GNT 662-5. Cheongson County, Gyongsang Bug Province.
 424175. KAERI-GNT 662-6. Cheongson County, Gyongsang Bug Province.
 424176. KAERI-GNT 662-7. Cheongson County, Gyongsang Bug Province.
 424177. KAERI-GNT 663-1. Yongyang County, Gyongsang Bug Province.
 424178. KAERI-GNT 663-2. Yongyang County, Gyongsang Bug Province.
 424179. KAERI-GNT 663-3. Yongyang County, Gyongsang Bug Province.
 424180. KAERI-GNT 664-4. Yongyang County, Gyongsang Bug Province.
 424181. KAERI-GNT 663-5. Yongyang County, Gyongsang Bug Province.
 424182. KAERI-GNT 663-6. Yongyang County, Gyongsang Bug Province.
 424183. KAERI-GNT 663-7. Yongyang County, Gyongsang Bug Province.
 424184. KAERI-GNT 670-1. Yeoseong County, Gyongsang Bug Province.
 424185. KAERI-GNT 670-2. Yeoseong County, Gyongsang Bug Province.
 424186. KAERI-GNT 670-3. Yeoseong County, Gyongsang Bug Province.
 424187. KAERI-GNT 670-4. Yeoseong County, Gyongsang Bug Province.
 424188. KAERI-GNT 670-5. Yeoseong County, Gyongsang Bug Province.
 424189. KAERI-GNT 670-6. Yeoseong County, Gyongsang Bug Province.

424190. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Poland. Seed presented by Instytut Hodowli i Akimatyżacji Roslin,
 Radzikow K/Warszawy, Blonie. Numbered May 13, 1978.

R11-17/76.

424191 and 424192. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From United States. Seed presented by D. L. Adkisson, Department of Entomology, Texas A & M University, College Station, Texas. Numbered May 13, 1978.

424191. Texas No. TS 515. Originally from Kirin Province, People's Republic of China.

424192. Texas No. TS 516. Originally from Shanghai, People's Republic of China.

424193 to 424195. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Hungary. Seed presented by Ralph Jackson, American Soybean Association, Hudson, Iowa. Numbered May 13, 1978.

424193. ISZ-I.

424194. ISZ-II.

424195. ISZ-3.

424196 to 424210. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Yugoslavia. Seed presented by Agricultural Institute, Ossijek. Numbered May 13, 1978.

424196. 'Amurskaja 25'.

424204. 'Heilungkiang 11'.

424197. 'Dobrogenca'.

424205. 'Heilungkiang 16'.

424198. 'Dobrudzka'. See also P.I. 251585.

424206. 'M-525/69'.

424199. 'Karikachi'.

424207. 'Norddeutsche Schwarze'.

424200. 'Kirin 3'.

424208. 'Os-289'.

424201. 'Kirin 6'.

424209. 'Tokachi Nagaha'.

424202. 'Kirovogradska'.

424210. 'Vniimk 8072'.

424203. 'Heilungkiang 10'.

424211 to 424617. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Korea. Seed collected by S. H. Kwon, Applied Genetics Laboratory, Korea Atomic Energy Research Institute, Cheong Ryang, Seoul. Numbered April 27, 1978.

424211. KAERI-GNT 130-4. Gapyeong County, Gyeong-gi Province.

424212. KAERI-GNT 130-5. Gapyeong County, Gyeong-gi Province.

424213. KAERI-GNT 130-6. Gapyeong County, Gyeong-gi Province.

424214. KAERI-GNT 130-7. Gapyeong County, Gyeong-gi Province.

424215. KAERI-GNT 130-8. Gapyeong County, Gyeong-gi Province.

424216. KAERI-GNT 131-1. Dongducheon County, Gyeong-gi Province.

424217. KAERI-GNT 131-2. Dongducheon County, Gyeong-gi Province.

424218. KAERI-GNT 131-3. Dongducheon County, Gyeong-gi Province.

424219. KAERI-GNT 131-4. Dongducheon County, Gyeong-gi Province.

424220. KAERI-GNT 131-5. Dongducheon County, Gyeong-gi Province.

424211 to 424617—Continued

- 424221. KAERI-GNT 131-6. Dongducheon County, Gyeong-gi Province.
- 424222. KAERI-GNT 131-7. Dongducheon County, Gyeong-gi Province.
- 424223. KAERI-GNT 131-8. Dongducheon County, Gyeong-gi Province.
- 424224. KAERI-GNT 131-9. Dongducheon County, Gyeong-gi Province.
- 424225. KAERI-GNT 133-1. Jeon-gog County, Gyeong-gi Province.
- 424226. KAERI-GNT 133-2. Jeon-gog County, Gyeong-gi Province.
- 424227. KAERI-GNT 133-3. Jeon-gog County, Gyeong-gi Province.
- 424228. KAERI-GNT 134-1. Yeoncheon County, Gyeong-gi Province.
- 424229. KAERI-GNT 134-2. Yeoncheon County, Gyeong-gi Province.
- 424230. KAERI-GNT 134-3. Yeoncheon County, Gyeong-gi Province.
- 424231. KAERI-GNT 134-4. Yeoncheon County, Gyeong-gi Province.
- 424232. KAERI-GNT 134-5. Yeoncheon County, Gyeong-gi Province.
- 424233. KAERI-GNT 134-6. Yeoncheon County, Gyeong-gi Province.
- 424234. KAERI-GNT 134-7. Yeoncheon County, Gyeong-gi Province.
- 424235. KAERI-GNT 150-17-1. Ganghwa County, Gyeong-gi Province.
- 424236. KAERI-GNT 150-17-2. Ganghwa County, Gyeong-gi Province.
- 424237. KAERI-GNT 150-18. Ganghwa County, Gyeong-gi Province.
- 424238. KAERI-GNT 150-24. Ganghwa County, Gyeong-gi Province.
- 424239. KAERI-GNT 150-25. Ganghwa County, Gyeong-gi Province.
- 424240. KAERI-GNT 150-26. Ganghwa County, Gyeong-gi Province.
- 424241. KAERI-GNT 150-27. Ganghwa County, Gyeong-gi Province.
- 424242. KAERI-GNT 173-5. Osan County, Gyeong-gi Province.
- 424243. KAERI-GNT 200-36. Chuncheon County, Gang-Weon Province.
- 424244. KAERI-GNT 200-37. Chuncheon County, Gang-Weon Province.
- 424245. KAERI-GNT 200-38. Chuncheon County, Gang-Weon Province.
- 424246. KAERI-GNT 200-39. Chuncheon County, Gang-Weon Province.
- 424247. KAERI-GNT 200-40. Chuncheon County, Gang-Weon Province.
- 424248. KAERI-GNT 200-41. Chuncheon County, Gang-Weon Province.
- 424249. KAERI-GNT 200-42. Chuncheon County, Gang-Weon Province.
- 424250. KAERI-GNT 200-43. Chuncheon County, Gang-Weon Province.
- 424251. KAERI-GNT 200-44. Chuncheon County, Gang-Weon Province.
- 424252. KAERI-GNT 200-45. Chuncheon County, Gang-Weon Province.
- 424253. KAERI-GNT 202-1. Cheolweon County, Gang-Weon Province.
- 424254. KAERI-GNT 202-2. Cheolweon County, Gang-Weon Province.
- 424255. KAERI-GNT 202-3. Cheolweon County, Gang-Weon Province.
- 424256. KAERI-GNT 202-4. Cheolweon County, Gang-Weon Province.
- 424257. KAERI-GNT 205-21. Hongcheon County, Gang-Weon Province.
- 424258. KAERI-GNT 205-22. Hongcheon County, Gang-Weon Province.
- 424259. KAERI-GNT 205-23. Hongcheon County, Gang-Weon Province.
- 424260. KAERI-GNT 205-24. Hongcheon County, Gang-Weon Province.
- 424261. KAERI-GNT 205-25. Hongcheon County, Gang-Weon Province.
- 424262. KAERI-GNT 235-1. Inje County, Gang-Weon Province.

424211 to 424617—Continued

- 424263. KAERI-GNT 235-2. Inje County, Gang-Weon Province.
- 424264. KAERI-GNT 235-3. Inje County, Gang-Weon Province.
- 424265. KAERI-GNT 235-4. Inje County, Gang-Weon Province.
- 424266. KAERI-GNT 235-5. Inje County, Gang-Weon Province.
- 424267. KAERI-GNT 235-6. Inje County, Gang-Weon Province.
- 424268. KAERI-GNT 235-7. Inje County, Gang-Weon Province.
- 424269. KAERI-GNT 235-8. Inje County, Gang-Weon Province.
- 424270. KAERI-GNT 235-9. Inje County, Gang-Weon Province.
- 424271. KAERI-GNT 235-10. Inje County, Gang-Weon Province.
- 424272. KAERI-GNT 235-11. Inje County, Gang-Weon Province.
- 424273. KAERI-GNT 235-12. Inje County, Gang-Weon Province.
- 424274. KAERI-GNT 235-13. Inje County, Gang-Weon Province.
- 424275. KAERI-GNT 235-14. Inje County, Gang-Weon Province.
- 424276. KAERI-GNT 235-16. Inje County, Gang-Weon Province.
- 424277. KAERI-GNT 235-17. Inje County, Gang-Weon Province.
- 424278. KAERI-GNT 235-18. Inje County, Gang-Weon Province.
- 424279. KAERI-GNT 238-1. Daehwa County, Gang-Weon Province.
- 424280. KAERI-GNT 238-2. Daehwa County, Gang-Weon Province.
- 424281. KAERI-GNT 238-3. Daehwa County, Gang-Weon Province.
- 424282. KAERI-GNT 238-4. Daehwa County, Gang-Weon Province.
- 424283. KAERI-GNT 239-1. Weontong County, Gang-Weon Province.
- 424284. KAERI-GNT 239-2. Weontong County, Gang-Weon Province.
- 424285. KAERI-GNT 239-3. Weontong County, Gang-Weon Province.
- 424286. KAERI-GNT 239-4. Weontong County, Gang-Weon Province.
- 424287. KAERI-GNT 239-5. Weontong County, Gang-Weon Province.
- 424288. KAERI-GNT 239-6. Weontong County, Gang-Weon Province.
- 424289. KAERI-GNT 300-1. Daejeon County, Chungcheong-Nam Province.
- 424290. KAERI-GNT 300-2. Daejeon County, Chungcheong-Nam Province.
- 424291. KAERI-GNT 300-3. Daejeon County, Chungcheong-Nam Province.
- 424292. KAERI-GNT 300-4. Daejeon County, Chungcheong-Nam Province.
- 424293. KAERI-GNT 300-5. Daejeon County, Chungcheong-Nam Province.
- 424294. KAERI-GNT 300-6. Daejeon County, Chungcheong-Nam Province.
- 424295. KAERI-GNT 300-7. Daejeon County, Chungcheong-Nam Province.
- 424296. KAERI-GNT 300-8. Daejeon County, Chungcheong-Nam Province.
- 424297. KAERI-GNT 300-9. Daejeon County, Chungcheong-Nam Province.
- 424298. KAERI-GNT 300-10. Daejeon County, Chungcheong-Nam Province.
- 424299. KAERI-GNT 300-11. Daejeon County, Chungcheong-Nam Province.

424211 to 424617—Continued

424300. KAERI-GNT 300-12. Daejeon County, Chungcheong-Nam Province.
424301. KAERI-GNT 304-8. Ogcheon County, Chungcheong-Bug Province.
424302. KAERI-GNT 304-9. Ogcheon County, Chungcheong-Bug Province.
424303. KAERI-GNT 304-10. Ogcheon County, Chungcheong-Bug Province.
424304. KAERI-GNT 304-11. Ogcheon County, Chungcheong-Bug Province.
424305. KAERI-GNT 304-12. Ogcheon County, Chungcheong-Bug Province.
424306. KAERI-GNT 310-5. Cheongju County, Chungcheong-Bug Province.
424307. KAERI-GNT 310-6. Cheongju County, Chungcheong-Bug Province.
424308. KAERI-GNT 310-7. Cheongju County, Chungcheong-Bug Province.
424309. KAERI-GNT 310-8. Cheongju County, Chungcheong-Bug Province.
424310. KAERI-GNT 310-9. Cheongju County, Chungcheong-Bug Province.
424311. KAERI-GNT 311-2. Goesan County, Chungcheong-Bug Province.
424312. KAERI-GNT 311-4. Goesan County, Chungcheong-Bug Province.
424313. KAERI-GNT 311-5. Goesan County, Chungcheong-Bug Province.
424314. KAERI-GNT 311-6. Goesan County, Chungcheong-Bug Province.
424315. KAERI-GNT 312-1. Eumseong County, Chungcheong-Bug Province.
424316. KAERI-GNT 333-2. Jincheon County, Chungcheong-Bug Province.
424317. KAERI-GNT 333-3. Jincheon County, Chungcheong-Bug Province.
424318. KAERI-GNT 333-4. Jincheon County, Chungcheong-Bug Province.
424319. KAERI-GNT 333-5. Jincheon County, Chungcheong-Bug Province.
424320. KAERI-GNT 333-6. Jincheon County, Chungcheong-Bug Province.
424321. KAERI-GNT 333-7. Jincheon County, Chungcheong-Bug Province.
424322. KAERI-GNT 333-8. Jincheon County, Chungcheong-Bug Province.
424323. KAERI-GNT 333-9. Jincheon County, Chungcheong-Bug Province.

424211 to 424617—Continued

424324. KAERI-GNT 333-10. Jincheon County, Chungcheong-Bug Province.
424325. KAERI-GNT 333-11. Jincheon County, Chungcheong-Bug Province.
424326. KAERI-GNT 333-12. Jincheon County, Chungcheong-Bug Province.
424327. KAERI-GNT 333-13. Jincheon County, Chungcheong-Bug Province.
424328. KAERI-GNT 350-1. Hongseong County, Chungcheong-Nam Province.
424329. KAERI-GNT 350-2. Hongseong County, Chungcheong-Nam Province.
424330. KAERI-GNT 350-3. Hongseong County, Chungcheong-Nam Province.
424331. KAERI-GNT 350-4. Hongseong County, Chungcheong-Nam Province.
424332. KAERI-GNT 350-5. Hongseong County, Chungcheong-Nam Province.
424333. KAERI-GNT 351-1. Gwangcheon County, Chungcheong-Nam Province.
424334. KAERI-GNT 351-2. Gwangcheon County, Chungcheong-Nam Province.
424335. KAERI-GNT 351-3. Gwangcheon County, Chungcheong-Nam Province.
424336. KAERI-GNT 351-4. Gwangcheon County, Chungcheong-Nam Province.
424337. KAERI-GNT 351-5. Gwangcheon County, Chungcheong-Nam Province.
424338. KAERI-GNT 351-6. Gwangcheon County, Chungcheong-Nam Province.
424339. KAERI-GNT 351-7. Gwangcheon County, Chungcheong-Nam Province.
424340. KAERI-GNT 351-8. Gwangcheon County, Chungcheong-Nam Province.
424341. KAERI-GNT 351-9. Gwangcheon County, Chungcheong-Nam Province.
424342. KAERI-GNT 351-10. Gwangcheon County, Chungcheong-Nam Province.
424343. KAERI-GNT 351-11. Gwangcheon County, Chungcheong-Nam Province.
424344. KAERI-GNT 351-12. Gwangcheon County, Chungcheong-Nam Province.
424345. KAERI-GNT 351-13. Gwangcheon County, Chungcheong-Nam Province.
424346. KAERI-GNT 351-14. Gwangcheon County, Chungcheong-Nam Province.

424211 to 424617—Continued

424347. KAERI-GNT 351-15. Gwangcheon County, Chungcheong-Nam Province.
424348. KAERI-GNT 351-16. Gwangcheon County, Chungcheong-Nam Province.
424349. KAERI-GNT 351-17. Gwangcheon County, Chungcheong-Nam Province.
424350. KAERI-GNT 351-18. Gwangcheon County, Chungcheong-Nam Province.
424351. KAERI-GNT 351-19. Gwangcheon County, Chungcheong-Nam Province.
424352. KAERI-GNT 351-20. Gwangcheon County, Chungcheong-Nam Province.
424353. KAERI-GNT 351-21. Gwangcheon County, Chungcheong-Nam Province.
424354. KAERI-GNT 351-22. Gwangcheon County, Chungcheong-Nam Province.
424355. KAERI-GNT 351-23. Gwangcheon County, Chungcheong-Nam Province.
424356. KAERI-GNT 351-24. Gwangcheon County, Chungcheong-Nam Province.
424357. KAERI-GNT 351-25. Gwangcheon County, Chungcheong-Nam Province.
424358. KAERI-GNT 351-26. Gwangcheon County, Chungcheong-Nam Province.
424359. KAERI-GNT 351-27. Gwangcheon County, Chungcheong-Nam Province.
424360. KAERI-GNT 351-28. Gwangcheon County, Chungcheong-Nam Province.
424361. KAERI-GNT 351-29. Gwangcheon County, Chungcheong-Nam Province.
424362. KAERI-GNT 351-30. Gwangcheon County, Chungcheong-Nam Province.
424363. KAERI-GNT 351-31. Gwangcheon County, Chungcheong-Nam Province.
424364. KAERI-GNT 351-32. Gwangcheon County, Chungcheong-Nam Province.
424365. KAERI-GNT 351-33. Gwangcheon County, Chungcheong-Nam Province.
424366. KAERI-GNT 351-34. Gwangcheon County, Chungcheong-Nam Province.
424367. KAERI-GNT 351-35. Gwangcheon County, Chungcheong-Nam Province.
424368. KAERI-GNT 351-36. Gwangcheon County, Chungcheong-Nam Province.
424369. KAERI-GNT 351-37. Gwangcheon County, Chungcheong-Nam Province.

424211 to 424617—Continued

424370. KAERI-GNT 351-38. Gwangcheon County, Chungcheong-Nam Province.
424371. KAERI-GNT 351-39. Gwangcheon County, Chungcheong-Nam Province.
424372. KAERI-GNT 351-40. Gwangcheon County, Chungcheong-Nam Province.
424373. KAERI-GNT 353-6. Daecheon County, Chungcheong-Nam Province.
424374. KAERI-GNT 353-8. Daecheon County, Chungcheong-Nam Province.
424375. KAERI-GNT 353-14. Daecheon County, Chungcheong-Nam Province.
424376. KAERI-GNT 353-15. Daecheon County, Chungcheong-Nam Province.
424377. KAERI-GNT 353-16. Daecheon County, Chungcheong-Nam Province.
424378. KAERI-GNT 353-17. Daecheon County, Chungcheong-Nam Province.
424379. KAERI-GNT 353-18. Daecheon County, Chungcheong-Nam Province.
424380. KAERI-GNT 355-7. Janghang County, Chungcheong-Nam Province.
424381. KAERI-GNT 371-1. Yeongdong County, Chungcheong-Bug Province.
424382. KAERI-GNT 371-2. Yeongdong County, Chungcheong-Bug Province.
424383. KAERI-GNT 371-3. Yeongdong County, Chungcheong-Bug Province.
424384. KAERI-GNT 503-11. Damyang County, Jeora-Nam Province.
424385. KAERI-GNT 503-12. Damyang County, Jeora-Nam Province.
424386. KAERI-GNT 503-13. Damyang County, Jeora-Nam Province.
424387. KAERI-GNT 503-14. Damyang County, Jeora-Nam Province.
424388. KAERI-GNT 503-15. Damyang County, Jeora-Nam Province.
424389. KAERI-GNT 503-16. Damyang County, Jeora-Nam Province.
424390. KAERI-GNT 521-14. Imsil County, Jeora-Bug Province.
424391. KAERI-GNT 521-15. Imsil County, Jeora-Bug Province.
424392. KAERI-GNT 521-16-1. Imsil County, Jeora-Bug Province.
424393. KAERI-GNT 521-16-2. Imsil County, Jeora-Bug Province.
424394. KAERI-GNT 521-17. Imsil County, Jeora-Bug Province.
424395. KAERI-GNT 521-19. Imsil County, Jeora-Bug Province.
424396. KAERI-GNT 521-20. Imsil County, Jeora-Bug Province.
424397. KAERI-GNT 521-21. Imsil County, Jeora-Bug Province.
424398. KAERI-GNT 521-23. Imsil County, Jeora-Bug Province.
424399. KAERI-GNT 521-24. Imsil County, Jeora-Bug Province.

424211 to 424617—Continued

- 424400. KAERI-GNT 530-11. Namweon County, Jeora-Bug Province.
- 424401. KAERI-GNT 530-12. Namweon County, Jeora-Bug Province.
- 424402. KAERI-GNT 530-13. Namweon County, Jeora-Bug Province.
- 424403. KAERI-GNT 530-14. Namweon County, Jeora-Bug Province.
- 424404. KAERI-GNT 530-15. Namweon County, Jeora-Bug Province.
- 424405. KAERI-GNT 530-16. Namweon County, Jeora-Bug Province.
- 424406. KAERI-GNT 530-17. Namweon County, Jeora-Bug Province.
- 424407. KAERI-GNT 531-1. Jangsu County, Jeora-Bug Province.
- 424408. KAERI-GNT 531-2. Jangsu County, Jeora-Bug Province.
- 424409. KAERI-GNT 531-3. Jangsu County, Jeora-Bug Province.
- 424410. KAERI-GNT 531-4. Jangsu County, Jeora-Bug Province.
- 424411. KAERI-GNT 540-5. Suncheon County, Jeora-Nam Province.
- 424412. KAERI-GNT 540-6. Suncheon County, Jeora-Nam Province.
- 424413. KAERI-GNT 540-7. Suncheon County, Jeora-Nam Province.
- 424414. KAERI-GNT 540-8. Suncheon County, Jeora-Nam Province.
- 424415. KAERI-GNT 540-9. Suncheon County, Jeora-Nam Province.
- 424416. KAERI-GNT 540-10. Suncheon County, Jeora-Nam Province.
- 424417. KAERI-GNT 540-11. Suncheon County, Jeora-Nam Province.
- 424418. KAERI-GNT 540-12. Suncheon County, Jeora-Nam Province.
- 424419. KAERI-GNT 540-13. Suncheon County, Jeora-Nam Province.
- 424420. KAERI-GNT 540-14. Suncheon County, Jeora-Nam Province.
- 424421. KAERI-GNT 540-15. Suncheon County, Jeora-Nam Province.
- 424422. KAERI-GNT 540-16. Suncheon County, Jeora-Nam Province.
- 424423. KAERI-GNT 540-17. Suncheon County, Jeora-Nam Province.
- 424424. KAERI-GNT 540-18. Suncheon County, Jeora-Nam Province.
- 424425. KAERI-GNT 540-19. Suncheon County, Jeora-Nam Province.
- 424426. KAERI-GNT 540-20. Suncheon County, Jeora-Nam Province.
- 424427. KAERI-GNT 542-11-1. Yeosu County, Jeora-Nam Province.
- 424428. KAERI-GNT 542-12. Yeosu County, Jeora-Nam Province.
- 424429. KAERI-GNT 542-13. Yeosu County, Jeora-Nam Province.
- 424430. KAERI-GNT 544-12. Gwangju County, Jeora-Nam Province.
- 424431. KAERI-GNT 544-13. Gwangju County, Jeora-Nam Province.
- 424432. KAERI-GNT 544-14. Gwangju County, Jeora-Nam Province.
- 424433. KAERI-GNT 544-15. Gwangju County, Jeora-Nam Province.
- 424434. KAERI-GNT 544-16. Gwangju County, Jeora-Nam Province.
- 424435. KAERI-GNT 544-17. Gwangju County, Jeora-Nam Province.
- 424436. KAERI-GNT 544-18. Gwangju County, Jeora-Nam Province.
- 424437. KAERI-GNT 544-19. Gwangju County, Jeora-Nam Province.
- 424438. KAERI-GNT 544-20. Gwangju County, Jeora-Nam Province.
- 424439. KAERI-GNT 544-21. Gwangju County, Jeora-Nam Province.
- 424440. KAERI-GNT 544-22. Gwangju County, Jeora-Nam Province.
- 424441. KAERI-GNT 544-23. Gwangju County, Jeora-Nam Province.

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- 424442. KAERI-GNT 544-24. Gwangju County, Jeora-Nam Province.
- 424443. KAERI-GNT 571-10. Naju County, Jeora-Nam Province.
- 424444. KAERI-GNT 571-11. Naju County, Jeora-Nam Province.
- 424445. KAERI-GNT 571-12. Naju County, Jeora-Nam Province.
- 424446. KAERI-GNT 571-13. Naju County, Jeora-Nam Province.
- 424447. KAERI-GNT 571-14. Naju County, Jeora-Nam Province.
- 424448. KAERI-GNT 571-15. Naju County, Jeora-Nam Province.
- 424449. KAERI-GNT 571-16. Naju County, Jeora-Nam Province.
- 424450. KAERI-GNT 571-17. Naju County, Jeora-Nam Province.
- 424451. KAERI-GNT 571-18. Naju County, Jeora-Nam Province.
- 424452. KAERI-GNT 575-11. Mogpo County, Jeora-Nam Province.
- 424453. KAERI-GNT 575-12. Mogpo County, Jeora-Nam Province.
- 424454. KAERI-GNT 575-13. Mogpo County, Jeora-Nam Province.
- 424455. KAERI-GNT 575-14. Mogpo County, Jeora-Nam Province.
- 424456. KAERI-GNT 575-15. Mogpo County, Jeora-Nam Province.
- 424457. KAERI-GNT 581-5. Jeonju County, Jeora-Bug Province.
- 424458. KAERI-GNT 581-6. Jeonju County, Jeora-Bug Province.
- 424459. KAERI-GNT 581-7. Jeonju County, Jeora-Bug Province.
- 424460. KAERI-GNT 581-8. Jeonju County, Jeora-Bug Province.
- 424461. KAERI-GNT 581-9. Jeonju County, Jeora-Bug Province.
- 424462. KAERI-GNT 581-10. Jeonju County, Jeora-Bug Province.
- 424463. KAERI-GNT 581-11. Jeonju County, Jeora-Bug Province.
- 424464. KAERI-GNT 581-12. Jeonju County, Jeora-Bug Province.
- 424465. KAERI-GNT 581-13. Jeonju County, Jeora-Bug Province.
- 424466. KAERI-GNT 581-14. Jeonju County, Jeora-Bug Province.
- 424467. KAERI-GNT 581-15. Jeonju County, Jeora-Bug Province.
- 424468. KAERI-GNT 581-16. Jeonju County, Jeora-Bug Province.
- 424469. KAERI-GNT 581-17. Jeonju County, Jeora-Bug Province.
- 424470. KAERI-GNT 581-18. Jeonju County, Jeora-Bug Province.
- 424471. KAERI-GNT 581-19. Jeonju County, Jeora-Bug Province.
- 424472. KAERI-GNT 581-20. Jeonju County, Jeora-Bug Province.
- 424473. KAERI-GNT 590-10. Jeju County, Jeju Province.
- 424474. KAERI-GNT 590-11. Jeju County, Jeju Province.
- 424475. KAERI-GNT 590-12. Jeju County, Jeju Province.
- 424476. KAERI-GNT 590-13. Jeju County, Jeju Province.
- 424477. KAERI-GNT 603-5. Chungmu County, Gyeongsang-Nam Province.
- 424478. KAERI-GNT 603-6. Chungmu County, Gyeongsang-Nam Province.
- 424479. KAERI-GNT 603-7. Chungmu County, Gyeongsang-Nam Province.
- 424480. KAERI-GNT 603-8. Chungmu County, Gyeongsang-Nam Province.

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424481. KAERI-GNT 603-9. Chungmu County, Gyeongsang-Nam Province.
424482. KAERI-GNT 604-15. Busan County, Gyeongsang-Nam Province.
424483. KAERI-GNT 604-16. Busan County, Gyeongsang-Nam Province.
424484. KAERI-GNT 604-17. Busan County, Gyeongsang-Nam Province.
424485. KAERI-GNT 604-18. Busan County, Gyeongsang-Nam Province.
424486. KAERI-GNT 604-19. Busan County, Gyeongsang-Nam Province.
424487. KAERI-GNT 604-20. Busan County, Gyeongsang-Nam Province.
424488. KAERI-GNT 604-21. Busan County, Gyeongsang-Nam Province.
424489. KAERI-GNT 604-22. Busan County, Gyeongsang-Nam Province.
424490. KAERI-GNT 604-23. Busan County, Gyeongsang-Nam Province.
424491. KAERI-GNT 604-24. Busan County, Gyeongsang-Nam Province.
424492. KAERI-GNT 605-11. Milyang County, Gyeongsang-Nam Province.
424493. KAERI-GNT 605-12. Milyang County, Gyeongsang-Nam Province.
424494. KAERI-GNT 605-13. Milyang County, Gyeongsang-Nam Province.
424495. KAERI-GNT 605-14. Milyang County, Gyeongsang-Nam Province.
424496. KAERI-GNT 605-15. Milyang County, Gyeongsang-Nam Province.
424497. KAERI-GNT 605-16. Milyang County, Gyeongsang-Nam Province.
424498. KAERI-GNT 605-17. Milyang County, Gyeongsang-Nam Province.
424499. KAERI-GNT 606-1. Namhae County, Gyeongsang-Nam Province.
424500. KAERI-GNT 606-2. Namhae County, Gyeongsang-Nam Province.
424501. KAERI-GNT 606-3. Namhae County, Gyeongsang-Nam Province.
424502. KAERI-GNT 606-4. Namhae County, Gyeongsang-Nam Province.
424503. KAERI-GNT 606-5. Namhae County, Gyeongsang-Nam Province.
424504. KAERI-GNT 606-6. Namhae County, Gyeongsang-Nam Province.
424505. KAERI-GNT 606-7. Namhae County, Gyeongsang-Nam Province.
424506. KAERI-GNT 606-8. Namhae County, Gyeongsang-Nam Province.
424507. KAERI-GNT 606-9. Namhae County, Gyeongsang-Nam Province.
424508. KAERI-GNT 606-10. Namhae County, Gyeongsang-Nam Province.
424509. KAERI-GNT 606-11. Namhae County, Gyeongsang-Nam Province.
424510. KAERI-GNT 606-12. Namhae County, Gyeongsang-Nam Province.
424511. KAERI-GNT 606-13. Namhae County, Gyeongsang-Nam Province.

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- 424512. KAERI-GNT 606-14. Namhae County, Gyeongsang-Nam Province.
- 424513. KAERI-GNT 610-7. Goseong County, Gyeongsang-Nam Province.
- 424514. KAERI-GNT 610-8. Goseong County, Gyeongsang-Nam Province.
- 424515. KAERI-GNT 621-1. Sacheon County, Gyeongsang-Nam Province.
- 424516. KAERI-GNT 621-2. Sacheon County, Gyeongsang-Nam Province.
- 424517. KAERI-GNT 621-3. Sacheon County, Gyeongsang-Nam Province.
- 424518. KAERI-GNT 621-4. Sacheon County, Gyeongsang-Nam Province.
- 424519. KAERI-GNT 621-5. Sacheon County, Gyeongsang-Nam Province.
- 424520. KAERI-GNT 621-6. Sacheon County, Gyeongsang-Nam Province.
- 424521. KAERI-GNT 621-7. Sacheon County, Gyeongsang-Nam Province.
- 424522. KAERI-GNT 621-8. Sacheon County, Gyeongsang-Nam Province.
- 424523. KAERI-GNT 622-6. Hadong County, Gyeongsang-Nam Province.
- 424524. KAERI-GNT 622-7. Hadong County, Gyeongsang-Nam Province.
- 424525. KAERI-GNT 622-8. Hadong County, Gyeongsang-Nam Province.
- 424526. KAERI-GNT 622-9. Hadong County, Gyeongsang-Nam Province.
- 424527. KAERI-GNT 622-10. Hadong County, Gyeongsang-Nam Province.
- 424528. KAERI-GNT 622-11. Hadong County, Gyeongsang-Nam Province.
- 424529. KAERI-GNT 622-12. Hadong County, Gyeongsang-Nam Province.
- 424530. KAERI-GNT 624-19. Jinju County, Gyeongsang-Nam Province.
- 424531. KAERI-GNT 624-20. Jinju County, Gyeongsang-Nam Province.
- 424532. KAERI-GNT 624-21. Jinju County, Gyeongsang-Nam Province.
- 424533. KAERI-GNT 624-22. Jinju County, Gyeongsang-Nam Province.
- 424534. KAERI-GNT 624-23. Jinju County, Gyeongsang-Nam Province.
- 424535. KAERI-GNT 624-24. Jinju County, Gyeongsang-Nam Province.
- 424536. KAERI-GNT 624-25. Jinju County, Gyeongsang-Nam Province.
- 424537. KAERI-GNT 624-26. Jinju County, Gyeongsang-Nam Province.
- 424538. KAERI-GNT 624-27. Jinju County, Gyeongsang-Nam Province.
- 424539. KAERI-GNT 624-28. Jinju County, Gyeongsang-Nam Province.
- 424540. KAERI-GNT 624-29. Jinju County, Gyeongsang-Nam Province.
- 424541. KAERI-GNT 624-30. Jinju County, Gyeongsang-Nam Province.
- 424542. KAERI-GNT 624-31. Jinju County, Gyeongsang-Nam Province.
- 424543. KAERI-GNT 632-12. Daegu County, Gyeongsang-Bug Province.
- 424544. KAERI-GNT 632-13. Daegu County, Gyeongsang-Bug Province.
- 424545. KAERI-GNT 632-20. Daegu County, Gyeongsang-Bug Province.
- 424546. KAERI-GNT 632-21. Daegu County, Gyeongsang-Bug Province.
- 424547. KAERI-GNT 632-22. Daegu County, Gyeongsang-Bug Province.
- 424548. KAERI-GNT 632-23. Daegu County, Gyeongsang-Bug Province.
- 424549. KAERI-GNT 632-24. Daegu County, Gyeongsang-Bug Province.
- 424550. KAERI-GNT 632-25. Daegu County, Gyeongsang-Bug Province.
- 424551. KAERI-GNT 632-26. Daegu County, Gyeongsang-Bug Province.
- 424552. KAERI-GNT 632-27. Daegu County, Gyeongsang-Bug Province.

424211 to 424617—Continued

- 424553. KAERI-GNT 636-6. Waegwan County, Gyeongsang-Bug Province.
- 424554. KAERI-GNT 636-7. Waegwan County, Gyeongsang-Bug Province.
- 424555. KAERI-GNT 636-8. Waegwan County, Gyeongsang-Bug Province.
- 424556. KAERI-GNT 636-9. Waegwan County, Gyeongsang-Bug Province.
- 424557. KAERI-GNT 636-10. Waegwan County, Gyeongsang-Bug Province.
- 424558. KAERI-GNT 636-11. Waegwan County, Gyeongsang-Bug Province.
- 424559. KAERI-GNT 636-12. Waegwan County, Gyeongsang-Bug Province.
- 424560. KAERI-GNT 636-13. Waegwan County, Gyeongsang-Bug Province.
- 424561. KAERI-GNT 636-14. Waegwan County, Gyeongsang-Bug Province.
- 424562. KAERI-GNT 636-15. Waegwan County, Gyeongsang-Bug Province.
- 424563. KAERI-GNT 636-16. Waegwan County, Gyeongsang-Bug Province.
- 424564. KAERI-GNT 636-17. Waegwan County, Gyeongsang-Bug Province.
- 424565. KAERI-GNT 636-18. Waegwan County, Gyeongsang-Bug Province.
- 424566. KAERI-GNT 640-11. Gimcheon County, Gyeongsang-Bug Province.
- 424567. KAERI-GNT 640-12. Gimcheon County, Gyeongsang-Bug Province.
- 424568. KAERI-GNT 640-13. Gimcheon County, Gyeongsang-Bug Province.
- 424569. KAERI-GNT 640-14. Gimcheon County, Gyeongsang-Bug Province.
- 424570. KAERI-GNT 640-15. Gimcheon County, Gyeongsang-Bug Province.
- 424571. KAERI-GNT 640-16. Gimcheon County, Gyeongsang-Bug Province.
- 424572. KAERI-GNT 640-17. Gimcheon County, Gyeongsang-Bug Province.
- 424573. KAERI-GNT 640-18. Gimcheon County, Gyeongsang-Bug Province.
- 424574. KAERI-GNT 640-19. Gimcheon County, Gyeongsang-Bug Province.
- 424575. KAERI-GNT 640-20. Gimcheon County, Gyeongsang-Bug Province.
- 424576. KAERI-GNT 651-11. Yeongju County, Gyeongsang-Bug Province.
- 424577. KAERI-GNT 651-12. Yeongju County, Gyeongsang-Bug Province.
- 424578. KAERI-GNT 651-13. Yeongju County, Gyeongsang-Bug Province.

424211 to 424617—Continued

- 424579. KAERI-GNT 651-14. Yeongju County, Gyeongsang-Bug Province.
- 424580. KAERI-GNT 651-15. Yeongju County, Gyeongsang-Bug Province.
- 424581. KAERI-GNT 651-16. Yeongju County, Gyeongsang-Bug Province.
- 424582. KAERI-GNT 651-17. Yeongju County, Gyeongsang-Bug Province.
- 424583. KAERI-GNT 651-18. Yeongju County, Gyeongsang-Bug Province.
- 424584. KAERI-GNT 651-19. Yeongju County, Gyeongsang-Bug Province.
- 424585. KAERI-GNT 651-20. Yeongju County, Gyeongsang-Bug Province.
- 424586. KAERI-GNT 651-21. Yeongju County, Gyeongsang-Bug Province.
- 424587. KAERI-GNT 651-22. Yeongju County, Gyeongsang-Bug Province.
- 424588. KAERI-GNT 651-23. Yeongju County, Gyeongsang-Bug Province.
- 424589. KAERI-GNT 651-24. Yeongju County, Gyeongsang-Bug Province.
- 424590. KAERI-GNT 651-25. Yeongju County, Gyeongsang-Bug Province.
- 424591. KAERI-GNT 651-26. Yeongju County, Gyeongsang-Bug Province.
- 424592. KAERI-GNT 651-27. Yeongju County, Gyeongsang-Bug Province.
- 424593. KAERI-GNT 651-28. Yeongju County, Gyeongsang-Bug Province.
- 424594. KAERI-GNT 651-29. Yeongju County, Gyeongsang-Bug Province.
- 424595. KAERI-GNT 651-30. Yeongju County, Gyeongsang-Bug Province.
- 424596. KAERI-GNT 651-31. Yeongju County, Gyeongsang-Bug Province.
- 424597. KAERI-GNT 651-32. Yeongju County, Gyeongsang-Bug Province.
- 424598. KAERI-GNT 681-11. Gyeongju County, Gyeongsang-Bug Province.
- 424599. KAERI-GNT 681-12. Gyeongju County, Gyeongsang-Bug Province.
- 424600. KAERI-GNT 681-13. Gyeongju County, Gyeongsang-Bug Province.
- 424601. KAERI-GNT 681-14. Gyeongju County, Gyeongsang-Bug Province.
- 424602. KAERI-GNT 681-15. Gyeongju County, Gyeongsang-Bug Province.
- 424603. KAERI-GNT 681-16. Gyeongju County, Gyeongsang-Bug Province.
- 424604. KAERI-GNT 681-17. Gyeongju County, Gyeongsang-Bug Province.
- 424605. KAERI-GNT 681-18. Gyeongju County, Gyeongsang-Bug Province.
- 424606. KAERI-GNT 681-19. Gyeongju County, Gyeongsang-Bug Province.
- 424607. KAERI-GNT 681-20. Gyeongju County, Gyeongsang-Bug Province.
- 424608. KAERI-GNT 681-21. Gyeongju County, Gyeongsang-Bug Province.
- 424609. KAERI-GNT 681-22. Gyeongju County, Gyeongsang-Bug Province.

424211 to 424617—Continued

424610. KAERI-GNT 681-23. Gyeongju County, Gyeongsang-Bug Province.
 424611. KAERI-GNT 681-24. Gyeongju County, Gyeongsang-Bug Province.
 424612. KAERI-GNT 681-25. Gyeongju County, Gyeongsang-Bug Province.
 424613. KAERI-GNT 681-26. Gyeongju County, Gyeongsang-Bug Province.
 424614. KAERI-GNT 681-27. Gyeongju County, Gyeongsang-Bug Province.
 424615. KAERI-GNT 681-28. Gyeongju County, Gyeongsang-Bug Province.
 424616. KAERI-GNT 681-29. Gyeongju County, Gyeongsang-Bug Province.
 424617. KAERI-GNT 681-30. Gyeongju County, Gyeongsang-Bug Province.

424618 to 424625.

From Paraguay. Plant material collected by H. F. Winters, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland, and R. J. Knight, Jr., Subtropical Horticulture Research Unit, Miami, Florida. Received February 2, 1978.

424618. ACROCOMIA MEDIA O. F. Cook Arecaceae.

W-1940. Grounds of Gran Hotel Paraguay, Asuncion. Spiny, feather-leaved palm, to 18 m tall. Fruit globose, to 4 cm diameter. Cultivated. Seed.

424619 to 424622. ACROCOMIA TOTAI Mart. Totai palm.

424619. W-1936. Agronomy Section, Jardin Botanico, Asuncion. Spiny, weather-leaved palm, to 10 m tall. Fruit globose, to 4 cm diameter. Cultivated. Seed.

424620. W-1937. Agronomy Section, Jardin Botanico, Asuncion. Spiny, feather-leaved palm, to 10 m tall. Fruit globose, to 3 cm diameter. Cultivated. Seed.

424621. W-1938. Agronomy Section, Jardin Botanico, Asuncion. Spiny, feather-leaved palm, to 3 m tall. Fruit 2.5 cm diameter. Plants growing in nursery area. Cultivated. Seed.

424622. W-1939. Grounds of Gran Hotel Paraguay, Asuncion. Spiny, feather-leaved palm, to 18 m tall. Fruit globose, to 4 cm diameter. Cultivated. Seed.

424623. ARACHIS sp. Fabaceae.

W-1934. Ytatua, 28 km from Asuncion on road to Coacupe. Prostrate herb with vigorous underground rhizomes, 2 to 3 mm diameter. Leaflets obovate, truncate, to 1.5 cm long. Flower yellow, borne singly. Wild. Plant.

424624. MANGIFERA INDICA L. Anacardiaceae. Mango.

W-1933. 'Extrema'. Fruticultura Seccion, Instituto Agronomico Nacional, Coacipe. Fruit depressed globose, yellow, 350 to 400 g, almost no fiber, flavor sweet and resinous. Polyembryonic variety originating in Brazil. Cultivated. Seed.

424618 to 424625—Continued

424625. *RHEEDIA BRASILIENSIS* (Mart.) Planch. & Triana Clusiaceae.

W-1935. Agronomy Section, Jardin Botanico, Asuncion. Tree to 15 m tall. Leaves opposite, leathery, to 10 cm long. Fruit pyriform, 5 cm diameter, edible pulp surrounds as many as eight large seeds/fruit. Seed 2.5 cm long, 1 cm thick. Local name Baracouri. Cultivated. Seed.

424626 to 424670.

From Argentina. Plant material collected by H. F. Winters, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland, and R. J. Knight, Jr., Subtropical Horticulture Unit, Miami, Florida. Received February 2, 1978.

424626 to 424629. *ACROCOMIA TOTAI* Mart. Arecaceae. **Total palm.**

424626. W-1915. Universidad Nacional del Noreste, Corrientes, Corrientes Province. Feather-leaved oil palm, to 12 m tall. Fruit globose, 3 cm diameter, pulp edible. Old tree without spines. Local name Totali. Cultivated. Seed.

424627. W-1916. Universidad Nacional del Noreste, Corrientes, Corrientes Province. Collected from second tree. Feather-leaved oil palm, to 12 m tall. Fruit globose, 3 cm diameter, pulp edible. Old tree without spines. Local name Totali. Seed.

424628. W-1917. Universidad Nacional del Noreste, Corrientes, Corrientes Province. Collected from third tree. Feather-leaved palm, to 12 m tall. Fruit globose, to 4 cm diameter, dark green with orange markings, pulp edible. Old tree without spines. Local name Totali. Cultivated. Seed.

424629. W-1918. Universidad Nacional del Noreste, Corrientes, Corrientes Province. Collected from fourth tree. Feather-leaved palm, to 4 m tall, all parts spiny. Fruit globose, to 3.5 cm diameter, dark green with orange cast, pulp edible. Local name Totali. Cultivated. Seed.

424630. *ANEMIA PHYLLITIDIS* (L.) Sw. Schizaeaceae.

W-1926. Native forest at Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Low-growing fern on forest floor, 12 cm tall. Spores on separate stem. Wild. Seed.

424631. *ARACHIS* sp. Fabaceae.

W-1921. Grassy knoll near native forest at Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Herbaceous perennial vine, to 0.5 m long. Flowers borne singly, yellow. Root perennial, thickened, to 30 cm long. Peanut relative, grows in sandy ground. Wild. Plant.

424632. *ARACHIS* sp.

W-1929A. Along roadside, Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Perennial herb with procumbent stems, to 0.5 m long. Flowers yellow, 1 cm broad. Taproot to 1.5 cm thick and 30 cm long. Wild. Plant.

424633. *ARECASTRUM ROMANZOFFIANUM* (Cham.) Becc. Arecaceae.

Queen palm.

W-1907. Botanic Garden, Buenos Aires. Palm to 20 m tall. Fruit compressed ovate, 2 cm diameter, orange. Cultivated. Seed.

424626 to 424670—Continued

424634. BRACHYCHITON POPULNEUM R. Br. Sterculiaceae.

Black kurrajong.

W-1891. Public square, center of Concordia, Entre Rios. Tree to 18 m tall. Leaves pendent, ovate, acuminate, to 6 cm long. Fruit palmately digitate. Lobes about 5 cm long. Cultivated. Seed.

424635 and 424636. BUTIA PARAGUAYENSIS (Barb.-Rodr.) L. H. Bailey

Arecaceae.

424635. W-1927. Grassy knoll near native forest at Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Dwarf palm, to 1 m tall, short trunk. Leaves pinnate, .75 to 1 m, bluish glaucous. Fruit in dense raceme, top shaped, pointed, to 3.5 cm long, yellow, acid and unpleasantly pungent. Wild. Seed.

424636. W-1928. Grassy knoll near native forest at Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Second clump. Dwarf palm, to 1 m tall, short trunk. Leaves pinnate, .75 to 1 m, bluish glaucous. Fruit in dense raceme, top shaped, pointed, to 3.5 cm long, yellow, acid and unpleasantly pungent. Wild. Seed.

424637 to 424640. BUTIA YATAY (Mart.) Becc.

424637. W-1894. Estacion Experimental, Concordia, Entre Rios. Cocoid palm, to 15 m tall. Leaves pinnate, to 3 m, glaucous green. Fruit in dense pendent clusters, ovate, pointed, 3 cm long, yellow with reddish brown. Pulp sweet, acid, fibrous, juicy. Seed elongate, 2.5 cm long. Local name Yatay. Wild. Seed.

424638. W-1895. Estacion Experimental, Concordia, Entre Rios. Cocoid palm, to 15 m tall. Leaves pinnate, to 3 m, glaucous green. Fruit in dense pendent clusters, ovate, pointed, 3 cm long, deep orange with dark red band around the middle. Pulp sweet, acid, fibrous, juicy. Seed elongate, 2.5 cm long. Local name Yatay. Wild. Seed.

424639. W-1896. Estacion Experimental, Concordia, Entre Rios. Cocoid palm, to 15 m tall. Leaves pinnate, to 3 m, glaucous green. Fruit in dense pendent clusters, ovate, pointed, 3 cm long, broader at base than P.I. 424638, deep orange without band. Local name Yatay. Wild. Seed.

424640. W-1897. Estacion Experimental, Concordia, Entre Rios. Cocoid palm, to 15 m tall. Leaves pinnate, to 3 m, glaucous green. Fruit in dense pendent clusters, ovate, pointed, orange, 2.5 cm long. Seed 1.8 cm long. Local name Yatay. Wild. Seed.

424641. CAYAPONIA sp. Cucurbitaceae.

W-2047. Native forest, Rio Riochuelo, Corrientes, Corrientes Province. Herbaceous trailing vine. Fruit cylindrical, 2 to 3 cm long, 1 cm diameter, red. Wild. Seed.

424642 and 424643. CELTIS SPINOSA Spreng. Ulmaceae.

424642. W-1903. Riverfront park, Uruguay River (near Concordia). Tree to 12 m tall. Leaves lanceolate to ovate, acute, 4 cm long. Fruit yellow, 0.6 cm diameter, globular, thin layer of sweet pulp. Wild. Seed.

424643. W-1909. Universidad Nacional del Noreste, Corrientes, Corrientes Province. Tree to 4 m tall. Leaves unequal at base, ovate. Twigs slightly spiny. Fruit ovoid, 0.5 cm, yellow, very sweet. Wild. Seed.

424626 to 424670—Continued

424644. *DELONIX REGIA* (Boj. ex Hook.) Raf. Fabaceae. **Flame-tree.**

W-1908. Universidad Nacional del Noreste, Corrientes, Corrientes Province. Tree to 7 m tall. Leaves compound, bipinnate. Flowers basically yellow with petal tips red on upper surface. Local name Chinato. Cultivated. Seed.

424645. *EUGENIA MYCIANTHES* Niedenzu Myrtaceae.

W-1906. Riverfront park, Uruguay River (near Concordia). Tree to 10 m tall. Leaves oblong, to 5 cm. Fruit with thin layer of edible pulp. Local name Ubajay. Wild. Seed.

424646. *EUGENIA* sp.

W-1919. Native forest at Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Tree to 15 m tall. Leaves opposite, lanceolate to oblong, acute, to 4 cm long. Fruit subglobose, purple-black with persistent fleshy calyces, 1.3 cm diameter, minutely puberulent. Wild. Seed.

424647. *IPOMOEA MALVAEOIDES* Meissn. Convolvulaceae.

W-1925. Grassy knoll near native forest at Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Stout herb to 30 cm tall. Foliage palmate, segments linear to 10 cm. Flowers lavender, 8 cm diameter. Wild. Seed.

424648. *ISOCARPHA* sp. Asteraceae.

W-1924. Grassy knoll near native forest at Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Herb with linear foliage. One flowered scape to 40 cm. Flowerhead purple to brownish red, 3 cm diameter. Wild. Seed.

424649. *MELICocca LEPIDOPETALA* Radlk. Sapindaceae.

W-1930. Private property near police headquarters at termination of Mendoza Street and avenue along Parana River. Dense, spreading tree to 10 m tall. Leaves compound. Leaflets two, lanceolate, to 10 cm. Fruit globose, 2 to 2.5 cm diameter, yellow. Pericarp leathery. Pulp fibrous, surrounding hard seed. Flavor sweet at first then astringent (resembling persimmon), less juicy than Quenepa. Local name Coquito de San Juan. Cultivated. Seed.

424650. *OCOTEA ACUTIFOLIA* Mez Lauraceae.

W-1905. Riverfront park, Uruguay River (near Concordia). Tree to 12 m tall. Leaves narrow, linear lanceolate, acuminate, base acute, 9 cm long, 1.5 cm wide. Fruit oblong, 2 cm by 0.8 cm, borne on fleshy receptacle. Wild. Seed.

424651 and 424652. *PASPALUM NOTATUM* Fluegge Poaceae. **Bahiagrass.**

424651. W-1912. Universidad Nacional del Noreste, Corrientes, Corrientes Province. Herb to 15 cm tall. Wild. Seed.

424652. W-1913. Near highway bridge over Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Herb with finer leaves than typical bahiagrass. Wild. Seed.

424653. *PASSIFLORA CAERULEA* L. Passifloraceae.

W-1898. Estacion Experimental, Concordia, Entre Rios. Vine becoming woody at base. Leaves digitately divided. Flower pale lavender, 5 cm diameter. Foliar bracts persist until first nearly ripe. Fruit orange, somewhat soft, pulp around seed dark red, sweet, no acid. Seed small, black. Wild. Seed.

424626 to 424670—Continued

424654. *PELTOPHORUM DUBIUM* (Spreng.) Taub. Fabaceae.

W-1904. Riverfront park, Uruguay River (near Concordia). Tree to 20 m tall. Leaves doubly compound, glossy green. Flowers in terminal panicles, yellow. Wild. Seed.

424655. *PETUNIA VIOLACEA* Lindl. Solanaceae. **Violet-flowered petunia.**

W-1893. Estacion Experimental, Concordia, Entre Rios. Perennial herb, to 30 cm tall. Leaves simple, ovate, to 3 cm long. Flowers tubular, dark purple, 3 cm diameter. Wild. Seed.

424656. *PETUNIA* sp.

W-1923. Grassy knoll near native forest at Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Slender-branched herb, to 40 cm tall. Leaves linear obtuse, to 1.3 cm long, pale green, finely glandular pubescent. Flower broadly tubular, tube 1 cm long, throat yellow bordered by band of dark purple. Limb 1.5 cm, medium purple. Wild. Plant.

424657. *PHALOCALLIS HERBERTII* (Herb.) Ktze. Iridaceae.

W-1892. Estacion Experimental, Concordia, Entre Rios. Bulbous herb, to 30 cm tall. Foliage narrow, Gramineous. Flowers yellow with darker markings, 5 cm across. Wild. Seed.

424658. *PLUMBAGO AURICULATA* Lam. Plumbaginaceae.

W-1902. Estacion Experimental, Concordia, Entre Rios. Subshrub to 1 m tall. Foliage evergreen. Flowers in terminal inflorescence. Darker blue than is common. Cultivated. Seed.

424659. *PORTULACA GRANDIFLORA* Hook. Portulacaceae.

W-1899. Estacion Experimental, Concordia, Entre Rios. Low herb, to 15 cm tall. Stems pubescent, stout. Leaves awl shaped, 0.5 to 1 cm. Flowers bright silky red, to 3 cm, early closing. Wild. Seed.

424660. *RANDIA* sp. Rubiaceae.

W-1920. Native forest at Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Shrub to 3 m tall. Leaves ovate to elliptical, obtuse. Branchlets spiny, spines 0.8 cm long. Fruit long globose, pointed at both ends, smooth, green. Flower said to be 3 cm diameter, white, showy. Wild. Seed.

424661. *SCHINOPSIS BALANSAE* Engler Anacardiaceae. **Quebracho.**

W-1911. Universidad Nacional del Noreste, Corrientes, Corrientes Province. Tree to 25 m tall. Fruit a samara. A source of tan bark. Local name Quebracho Colorado. Wild.

424662. *STYLOSANTHES* sp. Fabaceae.

W-1922. Grassy knoll near native forest at Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Slender herb to 30 cm tall. Leaves trifoliolate, 1 cm long. Stems glandular, hairy. Inflorescence, terminal, compressed. Flower yellow, 0.5 cm diameter, pealike. Wild. Seed.

424663. *TILLANDSIA DURATII* Vis. Bromeliaceae.

W-1910. Universidad Nacional del Noreste, Corrientes, Corrientes Province. Epiphytic herb. Stem to 30 cm. Flower spike to 30 cm. Leaves greyish green, the prehensile tips cling to tree branches like a monkey's tail. Received as *T. duratii* var. *vescatisis*. Wild. Plant.

424626 to 424670—Continued

424664. *TIPUANA TIPU* (Benth.) Kuntze Fabaceae. **Tipu-tree.**

W-1890. Public square, center of Concordia, Entre Rios. Tree to 20 m tall. Leaves compound, to 15 cm long. Fruit a samara. Local name Rosewood. Cultivated. Seed.

424665. *TRICHOCLINE* sp. Asteraceae.

W-1925A. Grassy knoll near native forest at Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Herb, rosette of oblanceolate basal leaves to 10 cm. Flower on naked scape to 30 cm, 8 cm diameter with broad rays and center crest, orange yellow. Wild. Seed.

424666. *VERBENA* sp. Verbenaceae.

W-1929. Along roadside, Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Herb. Lower leaves broadly ovate, upper leaves lanceolate, acute, entire. Flowers bright red, 6 cm diameter. Wild. Seed.

424667. *VERNONIA* sp. Asteraceae.

W-1931. Along roadside, Rio Riochuelo, 20 km from Corrientes, Corrientes Province. Herb, to 1.5 m tall, many branches. Flower heads to 1 cm, lavender. Wild. Seed.

424668. Undetermined. Amaryllidaceae.

W-1900. Estacion Experimental, Concordia, Entre Rios. Bulbous herb, scape to 40 cm, one to three flowered. Wild. Seed.

424669. Undetermined.

W-1914. Universidad Nacional de Noreste, Corrientes, Corrientes Province. Herb to 15 cm. Wild. Seed.

424670. Undetermined.

W-1901. Estacion Experimental, Concordia, Entre Rios. Herb. Basal leaves oblong, to 15 cm. Flower stem to 0.5 m, several flowered. Flowers rose lavender, to 3 cm diameter. Wild. Seed.

424671 to 424925.

From Brazil. Plant material collected by H. F. Winters, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland, and R. J. Knight, Jr., Subtropical Horticultural Research Unit, Miami, Florida. Received January 25, 1978.

424671. *ABUTILON* sp. Malvaceae.

W-1865. Santo Amaro do Imperatriz, Santa Catarina. Shrub to 3 m, pendent branches. Flowers orange yellow, heavily veined with red, nodding, not opening widely, 5 cm long. Local name Brinco de Princesa. Cultivated. Seed.

424672. *ACROCOMIA* sp. Areaceae.

W-1959. Donated by O. C. Giacometti, Brasilia, Distrito Federal. Wild. Seed.

424673. *ADIANTUM* sp. Adiantaceae.

W-1873. Near Rancho Queimado, Santa Catarina. Herb with finely divided fronds. Wild. Spores.

424671 to 424925—Continued

424674. *AECHMEA* sp. Bromeliaceae.

W-1777. Coastal dunes, Recreio das Bandeiras, Rio de Janeiro. Erect, 0.5 m tall. Purplish striate leaves edged with small spines. Wild. Plant.

424675. *ALLAGOPTERA CAMPESTRIS* Kuntze Arecaceae.

W-1963. Donated by D. C. Giacometti, CENARGEN, Brasilia, Distrito Federal. Wild. Seed.

424676. *ALSOPHILA* sp. Cyatheaceae.

W-1843. Reserva Biologica de Sapitanduva (near Antonina), Parana. Tree fern to 2 m tall, single trunked. Fronds doubly pinnate, dark green. Wild. Spores.

424677 and 424678. *ANACARDIUM OCCIDENTALE* L. Anacardiaceae. **Cashew.**

424677. W-1854. Farm of Quadros family, Rua Vergelio Varzea, Florianopolis, Santa Catarina. Tree to 3 m tall. Fleshy peduncles yellow, to 6 cm long, 3.5 cm diameter. Said to be native to the area (28° S. latitude). Cultivated. Seed.

424678. W-2026. Donated by Balbino Joaquim Ferreira (near Castro Alves), Bahia. Tree to 10 m tall. Nuts variable in size, red or yellow peduncles. Local name Caju. Cultivated. Seed.

424679 and 424680. *ANANAS COMOSUS* (L.) Merr. Bromeliaceae.

Pineapple.

424679. W-2043. CNPMF, EMBRAPA, Cruz das Almas, Bahia. Smooth-leaved variety. Originally from North Brazil. Local name Rondon. Cultivated. Cuttings.

424680. W-2044. CNPMF, EMBRAPA, Cruz das Almas, Bahia. Spiny-leaved variety. Originally from Northeast Brazil. Local name Perola or Pernambuco. Cultivated. Cuttings.

424681. *ANNONA* (hybrid) Annonaceae.

W-1853. Farm of Quadros family, Rua Vergelio Varzea, Florianopolis, Santa Catarina. Tree to 4 m tall. Leaves ribbed, pubescent on underside, oblong, obtuse, 8 cm long. Fruit elongate-globose, surface covered with depressions resembling cherimoya, 8 to 10 cm long. Possibly an Atemoya. Cultivated. Cuttings.

424682. *ANNONA CRASSIFOLIA* Mart.

W-2004. Cerrado Vegetation, farm of D. C. Giacometti, D. F. Tree to 5 m tall. Leaves veined, oblong, 7 to 8 cm long, 3 cm wide. Fruit globose, tuberculate surface, hard, woody, edible but strongly aromatic. Wild. Seed.

424683. *ANNONA RETICULATA* L.

Bullock's-heart.

W-1856. Farm of Quadros family, Rua Vergelio Varzea, Florianopolis, Santa Catarina. Tree to 5 m tall. Leaves oblong-lanceolate, 14 cm long. Cultivated. Seed.

424684 and 424685. *ANNONA SQUAMOSA* L.

Sugar-apple.

424684. W-1948. Public market, Campo Grande, Mato Grosso. Fruit large with blunt tubercles, 9 cm diameter. Flavor slightly sweet, bland. Local name Ate. Seed.

424671 to 424925—Continued**424684 and 424685—Continued**

424685. W-1949. Public market, Campo Grande, Mato Grosso. Fruit 6 cm diameter, blunt tubercles. Flavor bland, not as sweet as most varieties. Local name Ate. Cultivated. Seed.

424686. ANTHURIUM TETRAGONUM Hook. ex Schott Araceae.

W-1753. Botanical Garden, Rio de Janeiro, R. J. Large herb to 1.5 m tall. Leaves short, petioled, oblong with undulate margins, inflorescence with many glossy fruits. Cultivated. Seed.

424687. ANTHURIUM sp.

W-1752. Botanical Garden, Rio de Janeiro, R. J. Low growing herb. Leaves petioled, narrow. Fruit 13 cm long, 5 cm wide. Cultivated. Seed.

424688. ARACHIS GLABRATA Benth. Fabaceae.**Peanut.**

W-1976. American Embassy, Brasilia, D. F. Vigorous, procumbent herb. Runners to 1 m long. Cultivated. Cuttings.

424689. ARACHIS sp.

W-1815. Dierberger Nursery, Limeira, Sao Paulo. Herbaceous, vigorous, low perennial vine, forming a mat 15 cm deep. Leaves compound to 4 cm long, 3 cm wide. Cultivated. Cuttings.

424690. ARACHIS sp.

W-1870. Santo Amaro do Imperatriz, Santa Catarina. Procumbent herb, forming a mat 15 cm deep. Flowers yellow. Used for ground cover around roses. Cultivated. Cuttings.

424691. ARACHIS sp.

W-1943. Open pastureland, EMBRAPA, Centro Nacional de Pesquisa de Gado de Carte (near Campo Grande), Mato Grosso. Procumbent, perennial herb, to 25 cm. Flowers solitary, yellow. Wild. Plant.

424692. ARACHIS sp.

W-1944. Cerrado vegetation at EMBRAPA, Centro Nacional de Pesquisa de Gado de Carte (near Campo Grande), Mato Grosso. Low growing, perennial herb. Flowers yellow. Wild. Plant.

424693 to 424695. ARECASTRUM ROMANZOFFIANUM (Cham.) Becc.

Areaceae.

Queen palm.

424693. W-1826. Botanical Museum, Curitiba, Parana. To 30 m tall. Terminal crown of dark green, pinnate leaves. Fruit elongate-globose, 1.5 by 0.75 cm, yellow, hard. Wild. Seed.

424694. W-1874. On road to Alfredo Wagner (near Rancho Queimado), Santa Catarina. Palm to 10 m. Leaves pinnate. Frost in area each winter. Wild. Seed.

424695. W-1875. On road to Alfredo Wagner (near Rancho Queimado), Santa Catarina. Palm to 10 m tall. Frost in area each winter. Wild. Seed.

424696 and 424697. ARTOCARPUS HETEROPHYLLUS Lam. Moraceae.**Jackfruit.**

424696. W-1862. Paljoca, Santa Catarina. Giant tree to 35 m tall, tall, trunk 3 m thick at base. Cultivated. Seed.

424671 to 424925—Continued**424696 and 424697—Continued**

424697. W-2008. Experiment Station grounds, EMBRAPA, Cruz das Almas, Bahia. Tree to 20 m tall. Fruits more rounded, more yellow, and with broader spines than usual, to 10 pounds, firm-fleshed type. Cultivated. Seed.
424698. *ASPARAGUS SCANDENS* Thunb. Liliaceae. **Basket asparagus.**
W-1748. Botanical Garden, Rio de Janeiro, R. J. Vine forming mass 2 m tall, spiny. Cultivated. Seed.
424699. *ASTROCARYUM TUCUMA* Mart. Arecaceae.
W-2041. Public market, Belem, Para. Fruit globose with rigid, abrupt apex orange, 3 to 5 cm long. Seed covered with thin orange pulp (high in vitamin A). Wild. Seed.
424700. *AVERRHOA CARAMBOLA* L. Oxalidaceae. **Carambola.**
W-1789. Public market, Campinas, Sao Paulo. Fruit yellow, 8 cm long sweet. Cultivated. Seed.
424701. *BACTRIS LINDMANNIANA* Drude ex Lindm. Arecaceae.
W-1841. Reserve Biologica de Sapitanduva (near Antonia), Parana. Wild. Seed.
424702. *BARBOSA PSEUDOCOCOS* (Raddi) Becc. Arecaceae.
W-1962. Donated by D. C. Giacometti, collected near Juiz de Fora, Minas Gerais. Local name Gariroba or Pati. Wild. Seed.
424703. *BEGONIA* sp. Begoniaceae.
W-1760. Cerro de Petropolis (near Petropolis), R. J. Large herb to 1.5 m tall. Stem thick. Leaves oval. Wild. Seed.
424704. *BEGONIA* sp.
W-1761. Cerro de Petropoiiis (near Petropolis), R. J. Large herb. Stem thick. Leaves ovoid. Wild. Plant.
424705. *BEGONIA* sp.
W-1762. Cerro de Petropolis (near Petropolis), R. J. Herb to 30 cm tall. Flowers white in rather dense inflorescence. Wild. Cuttings.
424706. *BEGONIA* sp.
W-1763. Cerro de Petropolis (near Petropolis), R. J. Herb to 40 cm. Leaves small. Wild. Cuttings.
424707. *BEGONIA* sp.
W-1766. Cerro de Petropolis (near Petropolis), R. J. Herb. Stem slender. Leaves small, oblong to oblanceolate. Wild. Plant.
- 424708 and 424709. *BLECHNUM BRASILIENSE* Desv. Blechnaceae.
424708. W-1833. Road to Antonina from Curitiba, Parana. Elevation 1,000 m. Short-trunked fern with apical rosette of glabrous singly pinnate fronds. Fertile fronds erect. Wild. Spores.
424709. W-1880. Along road Rancho Queimado, Santa Catarina. Short-trunked tree fern to 5 m tall. Leaves compound, leathery, Fertile fronds erect. Wild. Spores.

424671 to 424925—Continued

424710 and 424711. *BUTIA CAPITATA* (Mart.) Becc. *Arecaceae*.

424710. W-1884. Palhoca Village, Santa Catarina. Palm to 4 m tall. Leaves pinnate. Fruit in dense cluster below leaves. Fruit depressed-globose to 2 cm diameter, yellow marked with dark red at maturity. Seed dark, 1 cm diameter, surrounded with edible pulp. Flavor tart. Fruit used to flavor alcoholic drink made from sugarcane. Cultivated. Seed.

424711. W-1885. Palhoca Village, Santa Catarina. Palm to 5 m tall. Leaves pinnate. Fruit in dense cluster below leaves. Fruit depressed-globose to 2.5 cm diameter, yellow marked with dark red at maturity. Seed dark, 1 cm diameter, surrounded with edible pulp. Flavor tart. Fruit used to flavor alcoholic drink made from sugarcane. Cultivated. Seed.

424712. *BYRSONIMA VERBASCIFOLIA* Rich. ex Juss. *Malpighiaceae*.

W-1945. Cerrado vegetation at EMBRAPA, Centro Nacional de Pesquisa de Gado de Corte (near Campo Grande), Mato Grosso. Tree to 5 m tall. Leaves coarse, to 15 cm long, hirsute. Raceme pendent with 10 to 12 fruits. Fruit globose, 1.5 cm diameter, partially enclosed by five ovate, glandular calyx lobes. Local name Muria. Wild. Seed.

424713. *CAJANUS CAJAN* (L.) Huth *Fabaceae*. Pigeon pea.

W-1886. Palhoca Village, Santa Catarina. Sub-shrub to 4 m tall. Seed medium size, light brown. Cultivated. Seed.

424714. *CALLIANDRA* sp. *Fabaceae*.

W-1953. Public square, Campo Grande, Mato Grosso. Bush to 2 m tall. Foliage fine textured. Flower heads 5 cm, white within light purple at tips. Easily trimmed to formal shape. Cultivated. Seed.

424715. *CAMPELIA ZANONIA* (L.) H.B.K. *Commelinaceae*.

W-1818. 'Mexican Flag'. Dierberger Nursery, Limeira, S. P. Erect, vigorous herb, to 1 m tall, forming canes. Leaves in terminal whorls, long-elliptic, variegated green and white with pin margin. Cultivated. Cuttings.

424716. *CAMPOMANESIA XANTHOCARPA* Berg *Myrtaceae*.

W-1808. Instituto Agronomico, Campinas, S. P. Tree to 15 m tall. Leaves narrowly lanceolate to oblong, acuminate, glossy dark green, margin undulate, veins whitish. Fruit globose with five persistent calyx lobes, orange, to 2 cm, sweet and resinous. Local name Guabiroba. Cultivated. Seed.

424717. *CAMPOMANESIA* sp. *Myrtaceae*.

W-1829. Park, edge of Curitiba, Parana. Tree to 15 m tall. Leaves opposite, oblong, to 7 cm. Fruit depressed-globose, to 1.5 cm diameter, glabrous, yellow strong musky odor, sweet resinous flavor. Wild. Seed.

424718. *CAMPOMANESIA* sp.

W-1972. Donated by Pde. Bernardo, Fazenda Rio Verde, Goias. Fruit large, 1.5 cm, edible. Local name Guabiroba. Wild. Seed.

424719. *CAMPOMANESIA* sp.

W-1973. Donated by Pde. Bernardo, Fazenda Rio Verde, Goias. Fruit medium, edible. Wild. Seed.

424671 to 424925—Continued

424720. *CAMPOMANESIA* sp.

W-1974. Donated by Pde. Bernardo, Fazenda Rio Verde, Goias Fruit small, edible. Wild. Seed.

424721. *CAMPOMANESIA* sp.

W-1979. Campo Grande, Mato Grosso. Fruit medium to large, sweet. Collected by Mario Soter Franca-Dantas (No. 1). Local name Guavira or Gabiroba. Wild. Seed.

424722. *CAMPOMANESIA* sp.

W-1980. Campo Grande, Mato Grosso. Fruit large, green. Better flavored than P.I. 424721 collected by Mario Soter Franca-Dantas (No. 2). Local name Guavira or Gabiroba. Wild. Seed.

424723. *CAMPOMANESIA* sp.

W-1981. Campo Grande, Mato Grosso. Fruit very large, sweet, green. Collected by Mario Soter Franca-Dantas (No. 3). Local name Guavira or Gabiroba. Wild. Seed.

424724. *CAMPOMANESIA* sp.

W-1982. Campo Grande, Mato Grosso. Fruit small, sweet. Collected by Mario Soter Franca-Dantas (No. 4). Local name Guavira or Gabiroba. Wild. Seed.

424725. *CAMPOMANESIA* sp.

W-1983. Campo Grande, Mato Grosso. Fruit small to large, sweet. Collected by Mario Soter Franca-Dantas (No. 5). Local name Guavira or Gabiroba. Wild. Seed.

424726. *CAMPOMANESIA* sp.

W-1984. Campo Grande, Mato Grosso. Collected by Mario Soter Franca-Dantas (No. 6). Local name Guavira or Gabiroba. Wild. Seed.

424727. *CAMPOMANESIA* sp.

W-1985. Campo Grande, Mato Grosso. Fruit small to medium, sweet. Collected by Mario Soter Franca-Dantas (No. 7). Local name Guavira or Gabiroba. Wild. Seed.

424728. *CAMPOMANESIA* sp.

W-1986. Campo Grande, Mato Grosso. Fruit medium, very sweet. Collected by Mario Soter Franca-Dantas (No. 8). Local name Guavira or Gabiroba. Wild. Seed.

424729. *CAMPOMANESIA* sp.

W-1987. Campo Grande, Mato Grosso. Fruit small, variable in sweetness. Collected by Mario Soter Franca-Dantas (No. 9). Local name Guavira or Gabiroba. Wild. Seed.

424730. *CANNA* sp. Cannaceae.

W-1864. Municipio Paljoca, Santa Catarina. Herb from rhizomatous rootstock, 1 m tall, perennial. Inflorescence slender, 5 to 6 flowered. Flowers yellow below, red above. Petals 3 cm long, 0.6 cm wide. Wild. Seed.

424671 to 424925—Continued

424731. *CANNA* sp.

W-1887. Edge of Florianopolis, Santa Catarina. Herb to 1 m tall, perennial. Flowers terminal, red with yellow markings on reverse of segments. Wild. Seed.

424732. *CAPSICUM* sp. Solanaceae.

W-1791. Public market, Campinas, S. P. Fruit bell-shaped, light red, to 5 cm long. Seed yellow. Local name Pimenta douce. Cultivated. Seed.

424733. *CARAPA GUIANENSIS* Aubl. Meliaceae. **Crabwood-tree.**

W-1742. Botanical Garden, Rio de Janeiro, R. J. Evergreen tree. Leaves pinnate. Seed large, few in each fruit. Local name Andiroba. Cultivated. Seed.

424734 and 424735. *CARICA PAPAYA* L. Caricaceae. **Papaya.**

424734. W-1859. Farm of Quadros family, Rua Vergelio Varzea, Florianopolis, Santa Catarina. Fruit globose, 20 cm by 15 cm. Flesh deep yellow, flavor musky. Cultivated. Seed.

424735. W-1957. Dierberger Agro Comercial Ltda., Sao Paulo, S. P. Local name Rosado de Monte Alto. Cultivated. Seed.

424736. *CARYOCAR BRASILIENSE* Camb. Caryocaraceae. **Pequi.**

W-2005. Cerrado vegetation, farm of D. C. Giacometti, D. F. Tree to 5 m tall. Leaves trifoliolate, leaflets 10 cm long. Fruit depressed-globose or 3 lobed. Pericarp fleshy, 1 cm thick. Seed 3 cm by 2 cm, surrounded by granular orange pulp. Aril edible, rich in carotenoids. Local name Pequi. Wild. Seed.

424737. *CASSIA* sp. Fabaceae.

W-1996. Farm of D. C. Giacometti, D. F. Tree to 10 m tall. Flowers yellow in terminal panicle. Local name Amendoin brabo. Wild. Seed.

424738. *CATHARANTHUS ROSEUS* (L.) G. Don Apocynaceae. **Madagascar periwinkle.**

W-2029. Experiment Station, EMBRAPA, Cruz das Bahia. Herb to 5 m tall. Flowers white, larger pink eye zone than usual for this species. Cultivated. Seed.

424739. *CHORISIA SPECIOSA* St. Hil. Bombacaceae. **Floss-silk-tree.**

W-1961. Cerrado vegetation, D. C. Giacometti farm, D. F. Flowers white, floss yellow. Wild. Seed.

424740. *CHRYSOBALANUS ICACO* L. Chrysobalanaceae. **Cocoplum.**

W-2042. Public market, Belem, Para. Fruit light red, globose to elliptical, 4 cm by 3 cm, pulp free of fiber, sweet. Superior to varieties seen in Florida. Wild. Seed.

424741 and 424742. *CITHAREXYLUM MYRIANTHUM* Cham. Verbenaceae.

424741. W-1845. Reserva Biologica de Sapitanduva (near Antonina), Parana. Tree to 20 m tall. Flowers white. Fruit red, ovoid, 1 cm long. Wild. Seed.

424742. W-1861. Municipio Palhoca, Santa Catarina. Tree to 15 m tall. Leaves oblong-elliptical, acute, light green underneath. Fruit in terminal or subterminal one-sided racemes of about 25, ovoid, bright glossy red, 1 cm long, 0.75 cm wide. Highly ornamental. Wild. Seed.

424671 to 424925—Continued

424743. *CLAUSENA EXCAVATA* Burm. f. Rutaceae.

W-1745. Botanical Garden, Rio de Janeiro, R. J. Fruit white, 1 cm diameter, in terminal panicles. Cultivated. Seed.

424744. *CLERODENDRUM THOMSONAE* Balf. f. Verbenaceae.

Thomson glorybower.

W-1866. Santa Amaro do Imperatriz, Santa Catarina. Vine to 5 m. Flowers red, subtended by bracts, at first white, later lavender. Seed capsule three celled, opens to expose orange aril and black seed. Cultivated. Seed.

424745. *CLUSIA LANCEOLATA* Cambess. Clusiaceae.

W-1819 Instituto Agronomico, Campinas, S. P. Fine textured shrub to 4 m tall. Leaves dark green, opposite, oblong-obtuse. Flowers bright glossy redish brown, coriaceous petals. Originally from Rio Grande do Sur. Cultivated. Cuttings.

424746. *COLEUS BLUMEI* Benth. Lamiaceae.

Coleus.

W-1977. EMBRAPA headquarters, Brasilia, D. F. Dwarf herb with dense foliage. Leaves ovate, lobed, to 5 cm long, dull reddish purple. Cultivated. Cuttings.

424747. *CUCUMIS ANGURIA* L. Cucurbitaceae.

West Indian gherkin.

W-2023. Donated by Balbino Joaquim Ferreira (near Castro Alves), Bahia. Prostrate herbaceous vine. Fruit obovate, spiny, pale yellow, 5 to 6 cm long, edible. Cultivated. Seed.

424748. *CUCURBITA PEPO* L. Cucurbitaceae.

Squash.

W-1947. Public market, Campo Grande, Mato Grosso. Fruit elongate, one end bulbous, marbled and striped green and buff, flesh deep orange, many small seeds. Grown for summer squash. Cultivated. Seed.

424749. *CYPHOMANDRA FRAGRANS* Sendt. Solanaceae.

W-1825. Zoological Garden, Curitiba, Parana. Tree to 3 m tall, dark green. Leaves long, lanceolate, acuminate, glabrous, heavy texture. Flower 1 cm purple. Fruit long ovate, 5 cm by 3 cm, marked with dark green. Cultivated. Seed.

424750. *DYCKIA FOSTERIANA* L. B. Sm. Bromeliaceae.

W-1824. Garden of Dr. Gert Hatschbach, Curitiba, Parana. Rosette of leaves to 15 cm. diameter. Inflorescence slender, to 25 cm tall. Cultivated. Seed.

424751. *DYCKIA MICROCALYX* var. *OSTENII* L. B. Sm.

W-1822. Museu Botanico Municipal, Curitiba, Parana. Rosette of stiff, succulent spiny leaves, 25 cm diameter. Inflorescence slender, branched, to 1 m tall. Cultivated. Seed.

424752. *DYCKIA* sp.

W-2028. Collected on farm of D. C. Giacometti, D. F. Herb, rosette of linear sharp-pointed leaves, to 0.5 m long, central flower scape to 1.5 m. Wild. Seed.

424671 to 424925—Continued

424753. *ERIANTHUS* sp. Poaceae.

W-1881. Along road Rancho Quemado to Alfredo Wagner, Santa Catarina. Vigorous clump grass to 3 m tall. Inflorescence terminal, to 30 cm long, purplish when young. Cold area. Wild. Seed.

424754. *EUGENIA DOMBEYI* (Spreng.) Skeels Myrtaceae. Grumichama.

W-1749. Botanical Garden, Rio de Janeiro, R. J. Three to 15 m tall. Fruit to 2.5 cm with calyx lobes persisting, sweet, red, two to three seeds. Cultivated. Seed.

424755. *EUGENIA DYSENTERICA* DC.

W-1958. GENARGEN, Brasilia, D. F. Wild. Seed.

424756. *EUGENIA INVOLUCRATA* DC.

W-1948. Private estate, Antonina, Parana. Tree to 4 m tall, dense foliage. Leaves oblong to 8 cm. Fruit 4 cm long, 2.5 cm wide, purple. Cultivated. Seedlings.

424757. *EUGENIA UNIFLORA* L.

Surinam-cherry.

W-1782. Coastal dunes, Recreo das Bandeiras, R. J. Shrub to 1.5 m to 3 cm diameter, tart and resinous in flavor, some fiber. May have value for breeding with 'Pitanga'. Wild. Seed.

424758 to 424760. *EUGENIA UNIFLORA* L.

Surinam-cherry.

424758. W-1806. Instituto Agronomico, Campinas, S. P. Tree to 12 m tall. Fruit red. Cultivated. Seed.

424759. W-1831. Garden of Gert Hatschbach, Curitiba, Parana. Tree to 15 m tall. Native to the area. Cultivated. Seed.

424760. W-2021. 'Pitanga'. Estacao Experimental de Fruticultura, ERABA, Conceicao do Almeida, Bahia. Bush to 2 m tall. Fruit ovoid, ribbed, 2 cm diameter, sweet and aromatic. Cultivated. Seed.

424761. *EUGENIA UVALHA* Cambess.

W-1971. Donated by D. C. Giacometti, collected at Juiz de Fora, Minas Gerais. Fruit edible. Wild. Seed.

424762. *EUGENIA* sp.

W-1787. Coastal dunes, Recreo das Bandeiras, R.J. Low shrub, 1.5 m tall. Leaves opposite, dark green, acuminate tipped, new growth reddish. Fruit globose, glossy black becoming dull, to 2.5 cm with persistent calyx scar, flavor sweet, strongly astringent and resinous, one to four seeds. Wild. Seed.

424763. *EUGENIA* sp.

W-1860. Hill with television transmitter, Florianopolis, Santa Catarina. Fine-textured shrub to 1.5 m tall. Leaves elliptic, obtuse, glossy, to 4.5 cm. Flowers minute, white, in short panicles. Fruit red at first and then black at maturity, globose, to 5 mm diameter, persistent calyx. Wild. Seed.

424764. *EUGENIA* sp.

W-1883. Bua Vista, Municipio de Rancho Queimado, Santa Catarina. Elevation 1,200 m. Shrub to 1 m tall. Leaves elliptical to ovate, obtuse, 3 to 5 cm long. Flowers in doubly compound inflorescence. Fruit black, 0.6 cm diameter. Wild. Seed.

424671 to 424925—Continued**424765. EUGENIA sp.**

W-2000. Cerrado vegetation, farm of D. C. Giacometti, D.F. Shrub to 4 m tall, dense foliage. Leaves long lanceolate, short petiole. Fruit in lateral racemes, 6 mm long, 4 mm wide, dark purple, pubescent. Eaten by birds. Local name Jamelem. Wild. Seed.

424766 and 424767. EUTERPE EDULIS Mart. Arecaceae. Peru palm.

424766. W-1842. Reserva Biologica de Sapitanduva (near Antonina), Parana. Tree to 15 m, slender trunk. Leaves pinnate, to 2 m. Wild. Seedlings.

424767. W-1871. Santo Amaro do Imperatriz, Santa Catarina. Slender palm to 15 m tall. Leaves pinnate. Flowers and fruits in dense clusters at junction of trunk and leaves. Source of edible palm heart. Local name Palmito. Wild. Seedlings.

424768. FRAGARIA sp. Rosaceae.

W-1955. Dierberger Agro Comercial Ltda., Sao Paulo, S. P. Said to be large fruited. Local name Morango silestre. Cultivated. Seed.

424769. FUCHSIA sp. Onagraceae.

W-1877. Road between Rancho Queimado and Alfredo Wagner, Santa Catarina. Scrambling shrub to 3 m tall. Leaves lanceolate, acute, to 6 cm long. Flowers pendent, tube and calyx red. Petals purple. Flower 4 cm long, protruding stamens as long as flower. Wild. Seed.

424770. GAYLUSSACIA sp. Ericaceae.

W-1783. Coastal dunes, Recreio das Bandeiras, R.J. Low shrub to 5 m tall. Leaves evergreen, elliptic, to 3 cm. Flowers urceolate, bright red in axillary panicle, to 1 cm long. Fruit globose, black, to 0.5 cm diameter, 7 to 13 per cluster, 10 seed per fruit. Wild. Seed.

424771. GEONOMA ELEGANS Mart. Arecaceae.

W-1967. Donated by D. C. Giacometti, CENARGEN, Brasilia, D. F. Wild. Seed.

424772. GEONOMA SCHOTTIANA Mart.

W-1840. Reserva Biologica de Sapitanduva (near Antonina), Parana. Palm to 2 m tall, multiple stems. Leaves interrupted pinnate. Wild. Seed.

424773. GREWIA ASIATICA L. Tiliaceae. Phalsa.

W-2019. Estacao de Fruticultura, ERABA, Conceicao do Almeida, Bahia. Shrub to 2 m tall. Leaves oblong-orbicular, cordate base, obtuse tip, serrate margin, whitish below, 10 cm long. Fruit black, globose, 1.5 cm diameter, slightly acid. Heavy bearer. Local name Phalsa. Cultivated. Seed.

424774. HIBISCUS sp. Malvaceae.

W-1988. Cerrado vegetation, D. F. Shrub to 1 m tall. Flowers 7 cm diameter, rosy lavender. Wild. Cuttings.

424775. HIBISCUS sp.

W-2014. Experiment Station grounds, EMBRAPA, Cruz das Almas, Bahia. Trailing herb. Stems pubescent. Leaves deltoid, acute, to 5 cm long. Flowers yellow, dark center, 5 cm across. Wild. Seed.

424671 to 424925—Continued

424776. *INGA URAGUENSIS* Hook. & Arn. Fabaceae.

W-1888. Donated by Alberto E. Maixner, Unidade de Florestamento e Reflorestamento, Secretaria da Agricultura, Porto Alegre, Rio Grande do Sul. Pods to 10 cm long containing a thin layer of edible pulp surrounding seed, orange, slightly pubescent. Originally collected at Nova Prata, Rio Grande do Sul. Wild. Seed.

424777. *INGA* sp.

W-1950. Public square, Campo Grande, Mato Grosso. Large tree with dense crown, to 20 m tall. Leaves bright green, glabrous, two terminal leaflets larger than two lower. Fruit an irregular legume, to 8 cm by 2 cm. Edible pulp surrounding seed. Cultivated. Seed.

424778. *JACARATIA* sp. Caricaceae.

W-1889. Acuaducto IV on road to Petropolis from Rio de Janeiro, R. J. Tree to 20 m tall. Leaves palmate. Fruit 8 cm long. Petiole long, spiny. Local name Jackaratia. Wild. Seed.

424779. *JACOBINA* sp. Acanthaceae.

W-1767. Km 40, Cerro de Petropolis (near Petropolis), R.J. Herb to 0.5 m tall. Inflorescence terminal. Flower yellow. Wild. Plant.

424780. *KALANCHOE* sp. Crassulaceae.

W-1798. Jardim Zoological, Sao Paulo, S. P. Herb to 15 cm tall. Leaves and stems succulent, orbicular, broadening into petiole at base, coarsely serrate. Cultivated. Cuttings.

424781. *KENTIA SANDERIANA* Hort. ex Gentil Areaceae.

W-1743. Botanical Garden, Rio de Janeiro, R. J. Small palm. Leaves pinnate. Cultivated. Seed.

424782. *LAFOENSIA NUMMULARIFOLIA* St. Hil. Lythraceae.

W-1823. Garden of Gert Hatschbach, Curitiba, Parana. Shrub to 2.5 m tall. Flower with single row of clawed petals, 7 cm diameter, white, several in a terminal inflorescence. Plant and flower resemble crepe myrtle. Cultivated. Seed.

424783. *LICANIA TOMENTOSA* (Benth.) Fritsch Rosaceae.

W-1952. Public square, Campo Grande, Mato Grosso. Tree to 18 m tall. Leaves entire, glossy above, matted pubescence below, undulate margin, 5 cm long. Fruit a drupe with thin pulp over hard, spiny seed, 6 cm long, 3 cm diameter. Local name Oti. Cultivated. Seed.

424784. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

W-1956. Packaged by Semetes Carlos Corradini S/A, Sao Paulo, S. P. Local name 'Paulista', 'De Gomos'. Cultivated. Seed.

424785. *LYCOPERSICON ESCULENTUM* var. *CERASIFORME* (Dun.) A. Gray
Cherry tomato.

W-2030. Donated by Balbino Joaquim Ferreira (near Castro Alves), Bahia. Fruit to 1.2 cm diameter. Cultivated. Seed.

424786. *MANGIFERA INDICA* L. Anacardiaceae. **Mango.**

W-1999. Farm of D. C. Giacometti, D.F. Compact tree to 5 m tall. Fruit small, 6 cm long, fibrous, yellow with pink blush. Possible root stock, not of commercial value. Cultivated. Seed.

424671 to 424925—Continued

424787. *MARANTA* sp. Marantaceae.

W-1750. Botanical Garden, Rio de Janeiro, R. J. Low ground cover in shaded area. Leaves oblong, lined white above and marked with purple below. Cultivated. Cuttings.

424788. *MELOCACTUS* sp. Cactaceae.

W-1784. Coastal dunes, Recreio das Bandeiras, R.J. Rounded, thorny cactus, 15 cm diameter, apical cephalum 7 cm diameter. Fruit pyriform, 1 cm by 3 cm, pink. Seed minute. Wild. Seed.

424789. *MEROSTACHYS MULTIRAMEA* Hack. Poaceae.

W-1832. Road to Antonina from Curitiba, Parana. Clump forming, uniform diameter culms to 5 m long, densely branched at nodes, fine branches to 10 cm long. Wild. Seed.

424790. *MICONIA* sp. Melastomataceae.

W-2001. Cerrado vegetation, farm of D. C. Giacometti, D.F. Tree to 4 m tall. Leaves elliptical, abruptly acute, glossy green above, silvery white below, prominently 3-nerved. Fruits sib-globose, green, sweet, 0.6 cm diameter, edible. Wild. Seed.

424791. *MICONIA* sp.

W-2002. Cerrado vegetation, farm of D. C. Giacometti, D. F. Tree 5 to 7 m tall. Leaves long oval, acute, dark green above, light green below, prominently 3-nerved. Fruits globose, 3 to 5 mm diameter, black, edible, sweet. Wild. Seed.

424792 and 424793. *MICROCOELUM WEDDELIANUM* (H. Wendl.) H. E. Moore
Arecaceae.

424792. W-1758. Cerro de Petropolis (near Petropolis) S. P. Leaves pinnate. Wild. Seedlings.

424793. W-1759. Binot Orchid Nursery, Petropolis, S. P. Dwarf palm. Leaves pinnate. Cultivated. Seed.

424794. *MIMUSOPS* sp. Sapotaceae.

W-1846. Private estate on hilltop overlooking Antonina, Parana. Tree to 4 m tall. Leaves oblong, chartaceous to 12 cm. Fruit globose, to 5 cm. Local name Abricote. Cultivated. Seed.

424795. *MONSTERA* sp. Araceae.

W-1771. Viaduct IV, Cerro de Petropolis (near Petropolis), S. P. Herbaceous climber. Leaves elongate perforated. Wild. Cuttings.

424796. *MONTRICHARDIA LINIFERA* Schott Araceae.

W-1746. Botanical Garden, Rio de Janeiro, R. J. Semiwoody unbranched stems, to 2.5 m tall. Leaves bright green, in terminal whorf. Cultivated. Seed.

424797. *MUCUNA* sp. Fabaceae.

W-1755. Botanical Garden, Rio de Janeiro, R. J. Originally from Amazon area. Slender herbaceous vine. Leaves pubescent. Flowers papilionaceous, 4 cm long, bright red. Pod slender. Cultivated. Seed.

424671 to 424925—Continued

424798. *MUSA* sp. Musaceae.

W-1835. Between Rio Taquari and Antonina along road from Curitiba, Parana. Herb to 3 m tall. Inflorescence erect. Bracts subtending flowers ovate, 10 cm long, lavender rose. Flowers tubular, 4 cm. Fruit erect, 8 to 10 cm long by 2.5 cm. Has survived -5°C . Local name Banana loca. Wild. Seed.

424799 to 424805. *MYRCIARIA CAULIFLORA* (Mart.) Berg Myrtaceae.

Brazilian grape-tree.

424799. W-1800. Instituto Agronomico, Campinas, S. P. Three to 10 m tall. Leaves oblong, slender, to 4 cm. Fruit striated at start of ripening, then black, to 3 cm diameter. Local name Rajada. Cultivated. Seed.

424800. W-1801. Instituto Agronomico, Campinas, S. P. Tree to 10 m tall. Fruit globose to slightly pyriform, dark purple to black when ripe, 4 cm diameter. Local name Pnhema. Cultivated. Seed.

424801. W-1802. Instituto Agronomico, Campinas, S. P. Tree to 10 m tall. Leaves long, lanceolate, acute, to 10 cm long, lateral ribs prominent. Fruit depressed globose, to 2.5 cm diameter, slightly ribbed, reddish to dark purple red. Local name Coroa (crown). Better quality and production at Campinas than Saara. Cultivated. Seed.

424802. W-1803. Instituto Agronomico Campinas, S. P. Spreading, compact tree to 5 m tall. Leaves oblong lanceolate with prominent veins, irregularly undulate. Fruit prolifically produced, slightly pyriform, slightly larger than (P.I. for W-1802). Local name Coroa Selection. Cultivated. Seed.

424803. W-1804. Instituto Agronomico, Campinas, S. P. Tree to 10 m tall. Leaves slender, oblong, acute to 6 cm long. Fruit depressed globose, to 3 cm diameter, dark purple when ripe. Local name Paulista. Cultivated. Seed.

424804. W-1805. Instituto Agronomico, Campinas, S. P. Tree to 10 m tall. Leaves oblong, veined, to 12 cm. Fruit depressed globose to pyriform, greenish white on tree, turning brownish after picked, slightly ribbed, 3 cm, flavor mild. Local name Braca. Cultivated. Seed.

424805. W-1847. Private estate (Casa de Vono) on hilltop overlooking Antonina, Parana. Tree to 4 m tall, dense foliage. Leaves to 4 cm long, acute. Fruit globose, black, glossy, to 2 cm diameter. Seed very small, sweet, polyembryonic. Cultivated. Seed.

424806. *MYRCIARIA* sp.

W-1780. Roberto Burle-Marx estate, Laranjeira, R. J. Tree to 6 m tall. Leaves oblong, acute, strongly nerved, 12 cm long. Fruit to 2 cm diameter, pyriform, light green to whitish, flavor sub-acid. Local name Branca Jaboticaba. Cultivated. Seed.

424807. *MYRICA* sp. Myricaceae.

W-1794. Jardim Zoologica, Sao Paulo, S. P. Tree to 4 m tall. Leaves oblong, irregularly constricted at margin, to 7 cm long. Fruits sessile along branches, globose, black, to 3 mm. Tree resembles *M. cerifera* of North America but no aroma to leaves. Cultivated. Seed.

424671 to 424925—Continued

424808. *NEOMARICA CAERULEA* (Seub.) Sprague Iridaceae.

W-1799. Jardin Zoological, Sao Paulo, S. P. Vigorous herb to 1 m tall. Strap-shaped leaves. Scape foliate, flower 10 cm diameter, white with purple markings. Forms plantlets in inflorescence after flowers fade. Resembles Iris. Used in perennial borders. Cultivated. Cuttings.

424809. *NEOREGELIA* sp. Bromeliaceae.

W-1775. Near Viaduct IV, Cerro de Petropolis, R.J. Saxicolous herb. Inflorescence to 0.5 m. Leaves strap shaped, narrow, grayish. Wild. Seed.

424810. *PACHIRA AQUATICA* Aubl. Bombacaceae. **Guiana-chestnut.**

W-1951. Public square, Campo Grande, Mato Grosso. Tree to 20 m tall. Leaves digitately compound. Flower 16 to 20 cm long, linear petals with central tuft of stamen, 8 cm long, white. Fruit a fleshy capsule to 20 cm long. Seeds irregular in shape, 2.5 by 1.5 cm, light brown with white, branched striations. Cultivated. Seed.

424811 and 424812. *PASSIFLORA ALATA* Dryand. Passifloraceae.

424811. W-1968. Donated by D. C. Giacometti, collected at Juiz de Fora, Minas Gerais. Fruit sweet. Wild. Seed.

424812. W-2017. Estacao Experimental de Fruticultura ERABA, Conceicao do Almeida, Bahia. Woody vine, quadrangular in cross section. Leaves oblong, to 10 cm long. Fruit pyriform, orange and green streaked, to 8 cm long. Seeds surrounded by sweet, edible pulp. Local name Acu. Cultivated. Seed.

424813 to 424815. *PASSIFLORA EDULUIS* Sims **Purple granadilla.**

424813. W-1813. Instituto Agronomico, Campinas, S. P. Vine with dark lavender flowers. Fruit globose, mottled brownish or greenish purple, to 6 cm diameter. Possibly a hybrid with *P. edulis* f. *flavicarpa*. Cultivated. Seed.

424814. W-1863. Municipio Palhoca, Santa Catarina. Herbaceous vine growing on roadbank. Fruit globose, purple at maturity, 5 cm diameter. Local name Purple Passion Fruit. Wild. Seed.

424815. W-2006. Market, Brasilia, D. F. Fruit depressed globose, mottled green and yellow, 7 cm by 8 cm. Cultivated. Seed.

424816. *PASSIFLORA EDULIS* f. *FLAVICARPA* Deg.

W-1788. Public market, Campinas, S. P. Fruit to 6 cm diameter. Cultivated. Seed.

424817. *PASSIFLORA* sp.

W-1814. Instituto Agronomico, Campinas, S. P. Vine to 12 m. Leaves divided to petiole into five leaflets. Flower light purple, 7 cm diameter. Fruit globose, 8 cm diameter, skin thin, leathery, pliable, flavor sour. Originally collected by Raul Moreira from wild. Resembles *P. cincinnatta*. Cultivated. Seed.

424818. *PASSIFLORA* sp.

W-1830. Park at edge of Curitiba, Parana. Strong, climbing vine. Leaves cordate, to 10 cm. Leaf petiole with four or five pairs of glands. Fruit globose, glossy, light yellow, to 3 cm diameter. Said to have been introduced. Wild. Seed.

424671 to 424925—Continued**424819. PASSIFLORA sp.**

W-2018. Estacao Experimental de Fruticultura ERABA, Conceicao de Almeida, Bahia. Semiwoody vine of medium vigor. Leaves entire or with one or two lobes, pilose, to 8 cm long. Flower pendent. Pedicel slender, 10 cm long, bearing three scarious bracts. Tube-striped green and red, sepals 5-veined, red on outside, white within, five narrow white petals. Fringe white, shorter than petals. Fruit elongate to 6 cm, green with stripes marking carpels, pulp juicy, acid, and aromatic. Local name Maracuja da Cobra. Cultivated. Seed.

424820 to 424825. PERSEA AMERICANA Mill. Lauraceae. Avocado.

424820. W-2010. 'Quintal'. Estacao Experimental de Fruticultura ERABA, Conceicao do Almeida, Bahia. Commercial variety of Brazilian origin (Minas Gerais). West Indian type. Cultivated. Budwood.

424821. W-2011. 'Elias'. Estacao Experimental de Fruticultura ERABA, Conceicao do Almeida Bahia. Guatemalan type from Minas Gerais. Cultivated. Budwood.

424822. W-2012. 'Cornelio'. Estacao Experimental de Fruticultura ERABA, Conceicao do Almeida, Bahia. Originally from Minas Gerais. Cultivated. Budwood.

424823. W-2013. 'G. Araujo'. Estacao Experimental de Fruticultura ERABA, Conceicao do Almeida, Bahia. Large West Indian type. Seed small. Originally from Minas Gerais. Cultivated. Budwood.

424824. W-2015. 'Baronesa'. Estacao Experimental de Fruticultura ERABA, Conceicao do Almeida, Bahia. West Indian type. Originally from Minas Gerais. Cultivated. Budwood.

424825. W-2016. 'IPEAL-1'. Experiment Station, EMBRAPA, Cruz das Almas, Bahia. Large-fruited, West Indian type. Local selection. Cultivated. Budwood.

424826. PHILODENDRON BIPINNATIFIDUM Schott Araceae.

W-1990. Farm of D. C. Giacometti, D. F. Cultivated.

424827. PHILODENDRON sp.

W-1768. Km 40, Cerro de Petropolis (near Petropolis), R. J. Herbaceous climber. Leaves saggitate. Wild. Cuttings.

424828. PHILODENDRON sp.

W-1769. Km 40, Cerro de Petropolis (near Petropolis), R. J. Herbaceous climber. Leaves broadly ovate. Wild. Cuttings.

424829. PHILODENDRON sp.

W-1770. Km 40, Cerro de Petropolis (near Petropolis), R. J. Large herb, thick stem. Wild. Cuttings.

424830. PHILODENDRON sp.

W-1978. EMBRAPA headquarters, Brasilia, D. F. Climbing herb. Leaves deeply lobed, broadly ovate, to 25 cm long. Stems and sheaths reddish. Cultivated. Plant.

424831. PHILODENDRON sp.

W-1989. Farm of D. C. Giacometti, D. F. Herb with thick stems and entire dark green leaves. Wild. Cuttings.

424671 to 424925—Continued

424832 to 424834. *PLATONIA ESCULENTA* (Arr. Cam.) Rickett & Staff.

Clasiaceae.

Bacury.

424832. W-2035. Public market, Belem, Para. Fruit globose, 7 cm, 300 g, thick hard fleshy shell, three seeds surrounded by sweet custardy pulp. Local name Bacuri. Wild. Seed.

424833. W-2036. Public market, Belem, Para. Fruit ovate, blunt, pointed, 10 cm long, 7 cm wide. Pulp subacid, slightly unpleasant. Local name Bacuri. Wild. Seed.

424834. W-2037. Public market, Belem, Para. Fruit slightly obovate, rounded at tip, 7 cm diameter. Pulp surrounding seeds slightly acid, poorly flavored. Local name Bacuri. Wild. Seed.

424835. *PORAQUEIBA PARAENSIS* Ducke Icacinaceae.

W-2038. Public market, Belem, Para. Fruit is a drupe, cylindrical, tapering at ends and slightly flattened, 8 cm long, orange at maturity. Pulp thin, sweet, oily. Local name Mari. Wild. Seed.

424836. *PORTULACA GRANDIFLORA* Hook. Portulacaceae.

W-1869. Santo Amaro do Imperatriz, Santa Catarina. Low-growing herb. Leaves linear-oblong, acute, 1 cm long. Flower single, silky white, 3 cm across, yellow stamens. Cultivated. Cuttings.

424837 and 424838. *PORTULACA OLERACEA* L.

Purslane.

424837. W-1868. Santo Amaro do Imperatriz, Santa Catarina. Low growing herb. Flowers double, dark yellow. Leaves obovate, to 2 cm long. Local name Oiganthes. Cultivated. Cuttings.

424838. W-2007. Experiment Station grounds, EMBRAPA, Cruz das Almas, Bahia. Herb. Leaves succulent, obovate to 1 cm long. Flowers 5-petaled, 3 cm diameter, bright yellow. Wild. Seed.

424839. *POUTERIA* sp. Sapotaceae.

W-1773. Km 40, Cerro de Petropolis (near Petropolis), R. J. Tree to 20 m tall. Fruit to 7 cm diameter, depressed globose, orange. Flesh fibrous. Seeds variable in size and shape, about 2.5 cm. Wild. Seed.

424840. *PSIDIUM GUAJAVA* L. Myrtaceae.

Common guava.

W-1792. Public market, Campinas, S. P. Fruit greenish yellow, slightly obovate, 10 cm long. Flesh white. Local name Goiba Branca. Cultivated. Seed.

424841. *PSIDIUM GUINEENSE* Sw.

Guinea guava.

W-1811. Instituto Agronomico, Campinas, S. P. Tree to 10 m tall, branches square in cross section. Leaves almost sessile, oblong, acute, prominently veined (the lateral veins connected to form a deep submarginal vein), 10 cm long. Fruit globose, 4 to 5 cm, calyx lobes rough, fused into two valves. Flower white, 4 cm. Cultivated. Seed.

424842 and 424843. *PSIDIUM LITTORALE* var. *LONGIPES* (O. Berg.) Fosb.

424842. W-1857. Farm of Quadros family, Rua Vergelio Varzea, Florianopolis, Santa Catarina. Shrub to 1.5 m tall. Leaves elliptical, glabrous, to 6 cm long. Fruit red, to 4 cm diameter. Cultivated. Seed.

424843. W-1858. Farm of Quadros family, Rua Veregelio Varzea, Florianopolis, Santa Catarina. Tree to 10 m tall. Leaves elliptical, glabrous, to 6 cm long. Fruit yellow, to 4 cm. Cultivated. Seed.

424671 to 424925—Continued

424844. PSIDIUM sp.

W-1778. Roberto Burle-Marx estate, Laranjeira, R. J. Tree to 4 m tall, resembling *P. guajava*. Fruit depressed globose to 4 cm diameter, green, pubescent, persistent calyx lobes, tart. Cultivated. Seed.

424845. PSIDIUM sp.

W-1809. Instituto Agronomico, Campinas, S. P. Tree to 5 m tall, foliage resembles *P. guajava*. Fruit globose, yellow with persistent calyx lobes, to 4 cm diameter. Aroma pleasant, fruity. Flavor tart. Resembles Cattley Guava but has much smaller seed. Local name Araca de Chile. Cultivated. Seed.

424846. PSIDIUM sp.

W-1810. Instituto Agronomico, Campinas, S. P. Tree to 10 m tall. Leaves oblong, close set on branchlets, reflexed, prominently ribbed beneath, 5 cm long. Fruit pyriform rugose, calyx persistent to 3 cm long, 2.5 cm wide. Cultivated. Seed.

424847. PSIDIUM sp.

W-1812. Instituto Agronomico, Campinas, S. P. Tree to 10 m tall. Leaves smooth, glossy, elliptic, obtuse, 8 cm long. Fruit globose, 4 cm diameter. Calyx or short scars persistent. Resembles *P. cattleianum*. Local name Araca Monteiro. Cultivated. Seed.

424848. PSIDIUM sp.

W-1960. Donated by D. C. Giacometti, D.F. Fruit edible. Growing wild on cerrado soils. Wild. Seed.

424849 and 424850. PSYCHOTRIA NUDA Wawra Rubiaceae.

424849. W-1772. Km 40, Cerro de Petropolis (near Petropolis), R. J. Shrub to 2 m tall. Leaves opposite, dark green, 7 cm long. Flowers two or three clustered together, terminal on branchlets, calyx 1 cm, coriaceous dark red, persists on the fruit. Flower with five petals united below into a tube. Wild. Seed.

424850. W-1851. Reserva Biologica de Sapitanduva, Parana. Small tree to 3 m tall. Leaves opposite, dark green. Flowers tubular, yellow, 4 petals, subtended by a coriaceous red calyx. Fruit to 1 cm diameter, red at maturity. Wild. Seed.

424851 and 424852. RHEEDIA GARDNERIANA Planch. & Triana Clusiaceae.

424851. W-1836. Reserva Biologica de Sapitanduva (near Antonina), Parana. Tree to 18 m tall. Leaves opposite, oblong, acute, dark green. Fruit ovoid to 5 cm long, 3 cm diameter, orange yellow at maturity, skin hard, thin. Thin layer of subacid pulp surrounding reticulated seed, to 3 cm long. Local name Baccipari. Wild. Seed.

424852. W-1867. Santo Amaro do Imperatriz, Santa Catarina. Tree to 10 m tall. Leaves oblong, dark green, to 8 cm. Fruit ovate, somewhat pointed, orange, 4 cm long, 2.5 to 3.5 cm wide. Subacid pulp surrounding large seeds. Local name Baccipari. Cultivated. Seed.

424853. RHEEDIA sp.

W-1779. Roberto Burle-Marx estate, Laranjeira, R.J. Tree to 5 m tall. Leaves oblong coriaceous, dark green. Fruit yellow, ovoid, to 4 cm long, smooth, leathery. Subacid pulp. Seed large. Cultivated. Seed.

424671 to 424925—Continued

424854 and 424855. *ROLLINIA MUCOSA* (Jacq.) Baill. Annonaceae.

424854. W-1932. Farm of Quadros family, Rua Vergelio Varzea, Florianopolis, Santa Catarina. Tree to 6 m tall. Leaves oblong, to 12 cm long. Fruit ovoid, soft, spiny. Cultivated. Seed.

424855. W-2040. Public market, Belem, Para. Fruit ovoid, covered with soft fleshy spines, yellow at maturity, 8 cm long. Flavor subacid to sweet, viscous. Local name Biriba. Wild. Seed.

424856. *RUBUS* sp. Rosaceae.

W-1878. Road between Rancho Queimado and Alfredo Wagner, Santa Catarina. Shrub to 2 m tall, very spiny. Leaves trifoliolate. Fruit in terminal inflorescence. Wild. Seed.

424857. *RUMOHRA ADIANTIFORMIS* (G. Forst.) Ching Davalliaceae.

W-1834. Rio Taquari (on road to Antonia from Curitiba), Parana. Fern to 1 m tall. Fronds tripinnate. Only basal pinnae of third division distinct. About 1.5 cm long. Wild. Spores.

424858. *SECHIUM EDULE* (Jacq.) Sw. Cucurbitaceae. Chayote.

W-1991. Farm of D. C. Giacometti, D.F. Fruit small, white. Cultivated. Seed.

424859 and 424860. *SOLANUM GILO* Raddi Solanaceae. Gilo.

424859. W-1790. Public market, Campinas, S. P. Fruit bright orange, globose to compressed-oblate with vertical creases, 5 to 7 cm diameter, interior yellowish or greenish white. Seed white, rather dry. Used to flavor foods, said to reduce weight if drunk as tea. Cultivated. Seed.

424860. W-2022. Donated by Balbino Joaquim Ferreira (near Castro Alves), Bahia. Herb to 1 m tall. Fruits obovate, pointed, light red. Used in cooking. Local name Gilo. Cultivated. Seed.

424861. *SOLANUM SISYMBRIFOLIUM* Lam. Solanaceae.

W-1946. Growing at edge of pasture, EMBRAPA, Centro Nacional de Pesquisa de Gado de Corte (near Campo Grande), Mato Grosso. Herb to 45 cm. Plant extremely spiny. Flowers white. Fruit red, 1 cm diameter, pleasant tasting. Used for jam. Local name Joa de Capote. Wild. Seed.

424862. *SPONDIAS PURPUREA* L. Anacardiaceae. Red mombin.

W-2020. Estacao Experimental de Fruticultura ERABA, Conceicao do Almeida, Bahia. Spreading tree to 10 m tall. Leaves pinnate compound, to 15 cm long. Fruit clustered on upper branches, cylindrical, to 3 cm long, orange to light red, subacid flavor. Seed surface rough. Cultivated. Seed.

424863. *SPONDIAS TUBEROSA* Arr. Cam. ex Koster Anacardiaceae. Imbu.

W-2027. Donated by Balbino Joaquim Ferreira (near Castro Alves), Bahia. Spreading tree to 7 m tall, many branches. Fruit borne singly, 5 cm long, 3 cm thick, yellow, edible. Cultivated. Seed.

424864. *STAUROSTIGMA* sp. Araceae.

W-1837. Reserva Biologica de Sapitanduva, Parana. Climbing herb. Leaves palmately divided, to 25 cm diameter. Pedical to 15 cm, aggregate fruit, 8 cm long, 3 cm diameter. Wild. Seed.

424671 to 424925—Continued

424865. *STIFFTIA CHRYSANTHA* Mikan Asteraceae.

W-1747. Botanical Garde, Rio de Janeiro, R. J. Shrub to 2 m tall. Flower-heads 7.5 cm with persistent bracts, yellow. Cultivated. Seed.

424866 to 424868. *SYAGRUS CORONATA* (Mart.) Becc. Areaceae.

Ouricury palm.

424866. W-1941. Ornamental planting at entrance to airport, Campo Grande, Mato Grosso. Fine-textured, feather-leaved palm, to 15 m tall, unarmed. Fruit is a drupe, ovoid, 4 to 5 cm long, 3 cm diameter sharp pointed, yellow. Wild in the area. Local name Bacuri. Cultivated. Seed.

424867. W-1942. Ornamental planting at entrance to airport, Campo Grande, Mato Grosso. Fine-textured, feather-leaved palm, to 15 m tall, unarmed. Fruit is a drupe, pointed, 5.5 cm long, 2.5 to 3 cm diameter, green with yellow base. Local name Bacouri. Cultivated. Seed.

424868. W-2024. Donated by Balbino Joaquim Ferreira (near Castro Alves), Bahia. Palm to 4 m tall, usually shorter. Pinnate leaves in four spiraled ranks, to 1.5 m long. Fruit in large cluster, ovoid, to 3 cm long. Nut easily cracked, edible, yellow. Local name Licuri. Cultivated. Seed.

424869. *SYAGRUS* sp.

W-2025. Donated by Balbino Joaquim Ferreira (near Castro Alves), Bahia. Palm to 8 m tall. Leaves pinnate, spiral origin. Fruits in compact inflorescence, each obovate, pointed, greenish, 3.5 cm long, kernel edible. Local name Licurio bao. Cultivated. Seed.

424870. *SYZYGIUM AQEUM* (Burm. f.) Alst. Myrtaceae.

Watery rose-apple.

W-1751. Botanical Garden, Rio de Janeiro, R. J. Tree to 6 m tall. Fruit pyriform, 3 cm diameter, clear waxy white, one seeded, slightly sweet, insipid. Cultivated.

424871. *SYZYGIUM MALACCENSE* (L.) Merr. & Perry

W-1807. Instituto Agronomico, Campinas, S. P. Tree to 15 m tall, densely compact. Leaves large, 15 to 18 cm. Fruit pyriform, light to dark red, to 8 cm long. Flesh crisp, firm, subacid and slightly astringent. One large, polyembryonic seed per fruit. Cultivated. Seed.

424872. *TABEBUIA* sp. Bignoniaceae.

W-1872. Aquas Mornas, Santa Catarina. Shrub to 3 m. Flowers purple. Wild. Seed.

424873. *TABEBUIA* sp.

W-1964. Donated by D. C. Giacometti, CENARGEN, D.F. Flowers pink. Cultivated. Seed.

424874. *TABEBUIA* sp.

W-1965. Donated by D. C. Giacometti, CENARGEN, D.F. Flowers yellow. Cultivated. Seed.

424875. *TABEBUIA* sp.

W-1966. Donated by D. C. Giacometti, CENARGEN, D.F. Flowers purple. Cultivated. Seed.

424671 to 424925—Continued

424876. *THEOBROMA GRANDIFLORUM* (Willd. ex Spreng.) K. Schum.
Sterculiaceae.

W-2039. Public market, Belem, Para. Fruit oblong, to 15 cm long, shell hard, 0.6 cm thick. Interior a yellowish custardlike mass enclosing many seeds each 3 by 2 by 0.5 cm. Flavor of pulp both slightly sweet and acid but with a somewhat putrid odor resembling acetone. Local name Cupuacu. Wild. Seed.

424877. *TIBOUCHINA CLINOPODIFOLIA* Cogn. Melastomaceae.

W-1838. Reserva Biologica de Sapitanduva (near Antonina), Parana. Semiwoody herb, to 20 cm tall. Leaves ovate, acute, 3 cm long. Flowers white or lavender, 0.8 cm diameter. Wild. Seed.

424878. *TIBOUCHINA GRANDIFOLIA* var. *OBTUSIFOLIA* Cogn.

W-1821. Instituto Agronomico, Campinas, S. P. Sprawling shrub to 3 m tall. Leaves pubescent, ovoid, to 10 cm. Flowers 3 cm diameter, purple with white eye at opening, which later turns red. Cultivated. Seed.

424879. *TIBOUCHINA PULCHRA* Cogn. Melastomaceae.

W-1849. Reserva Biologica de Sapitanduva (near Antonina), Parana. Tree to 8 m tall. Flowers pink to pale pink, 7 cm diameter. Wild. Seed.

424880. *TIBOUCHINA* sp.

W-1754. Botanical Garden, Rio de Janeiro, R. J. Tree to 12 m tall. Flowers deep purple, 5 cm diameter. Cultivated. Seed.

424881. *TIBOUCHINA* sp.

W-1795. Jardim Zoologica, Sao Paulo, S. P. Small tree to 7 m tall. Flowers 4 cm diameter, open dark purple, fade to lighter purple. Local name Quaresmeria. Cultivated. Seed.

424882. *TIBOUCHINA* sp.

W-1796. Jardim Zoologica, Sao Paulo, S. P. Tree to 7 m tall. Flowers light purple. Cultivated. Seed.

424883. *TIBOUCHINA* sp.

W-1797. Jardim Zoologica, Sao Paulo, S. P. Tree to 8 m tall. Flowers purple, 6 cm diameter. Longer and more slender petals than P.I. 424881 and 424882. Local name Quaresmeira. Cultivated. Seed.

424884. *TIBOUCHINA* sp.

W-1827. Botanical Museum, Curitiba, Parana. Slender shrub to 2.5 m tall. Leaves elliptic, terminal, to 5 cm long. Flowers 3.5 cm diameter. Petals broad, light pink, fading to near white. Fruit globose, flattened at valve, tomentose, 1 cm long. Cultivated. Seed.

424885. *TIBOUCHINA* sp.

W-1828. Botanical Museum Curitiba, Parana. Fine-textured dense shrub, 2 m tall. Leaves elliptic, to 4 cm long. Flowers 2.5 cm diameter, dark pink. Petals narrow. Fruit globose, flattened at valve, 0.5 cm long. Wild. Seed.

424886. *TIBOUCHINA* sp.

W-1839. Reserva Biologica de Sapitanduva (near Antonina) Parana. Dwarf herb, to 20 cm tall. Flowers dark purple, 2 cm diameter. Resembling *Rhexia* of North America. Seed.

424671 to 424925—Continued

424887. *TIBOUCHINA* sp.

W-1850. Reserva Biologica de Sapitanduva (near Antonina), Parana. Tree to 8 m tall. Flowers pink, fading to white, 6 cm diameter. Wild. Seed.

424888. *TIBOUCHINA* sp.

W-1852. Park between University of Parana and Theater, Curitiba, Parana. Fine-textured shrub, to 3 m tall. Leaves narrowly elliptical, acute, 3-nerved, to 4 cm long. Flowers dark lavender, to 4 cm diameter. Cultivated. Seed.

424889. *TIBOUCHINA* sp.

W-1855. Farm of Quadros family, Rua Vargelio Varzea, Florianopolis, Santa Catarina. Tree to 3 m tall. Leaves oblong, to 3.5 cm long. Flowers purple, to 3.5 cm diameter. Local name Quaresmeira. Cultivated. Seed.

424890. *TIBOUCHINA* sp.

W-1954. Public square, Campo Grande, Mato Grosso. Tree to 5 m tall. Flowers reddish purple, 6 cm diameter in terminal panicles. Cultivated. Seed.

424891. *TILLANDSIA* sp. Bromeliaceae.

W-1756. Botanical Garden, Rio de Janeiro, R.J. Rosette of linear leaves to 10 cm long. Inflorescence to 15 cm. Bracts clear pink. Wild. Seed.

424892. *TILLANDSIA* sp.

W-1757. Botanical Garden, Rio de Janeiro, R.J. Clusters of moss-like stems to 20 cm long. Wild. Seed.

424893. *TILLANDSIA* sp.

W-1776. Coastal dunes, Recreio das Bandeiras, R.J. Herbaceous dwarf caespitose plants, rosette of linear leaves to 10 cm long. Inflorescence cone shaped white, tipped with pink. Wild. Seed.

424894 and 424895. *TORENIA FOURNIERI* Linden ex Fourn.

Scrophulariaceae.

424894. W-2032. Public market, Belem, Para. Herb to 30 cm tall. Flower white with pink petal tips. Local name Boca de lobo. Cultivated. Plant.

424895. W-2033. Public market, Belem, Para. Herb to 30 cm tall. Flower reddish purple. Local name Boca de lobo. Cultivated. Plant.

424896. *TRIPLARIS BRASILIANA* Cham. Polygonaceae.

W-1820. Instituto Agronomico, Campinas, S. P. Tall, slender tree to 20 m tall. Leaves oblong, to 25 cm long. Flowers reddish. Fruits resemble buckwheat but outer covering pubescent. Sepals 3, oblanceolate, obtuse, to 3 cm long, persist on fruit as means of wind dispersal. Cultivated. Seed.

424897. *VANILLA* sp. Orchidaceae.

W-2045. Donated by Balbino Joaquim Ferreira (near Castro Alves), Bahia. Epiphytic dwarf vine living in crowns of *Syagrus* palms. Wild. Plant.

424898. *VELLOZIA FLAVICANS* Mart. Velloziaceae.

W-1975. Collected at Fundacao Zoobotanica, D.F. Herb. Flowers lilylike, clear blue. Local name Canela de Ema. Wild. Seed.

424671 to 424925—Continued

424899. *VRIESEA* sp. Bromeliaceae.

W-1774. Km 40, Cerro de Petropolis (near Petropolis), R. J. Saxicolous herb, rosette of long strap-shaped green leaves. Inflorescence 1 m tall, branching. Wild. Seed.

424900. *ZORNIA DIPHYLLA* (L.) Pers. Fabaceae.

W-2009. Weed in lawn at CENARGEN, EMBRAPA, Brasilia, D. F. Creeping perennial herb. Leaflets 3 cm long, 0.5 cm wide. Flowers papilionaceous, 0.5 cm, yellow-stained red. Said to be a good pasture legume. Wild. Seed.

424901. *ZYGOCACTUS TRUNCATUS* K. Schum. Cactaceae. Christmas cactus.

W-1866A. Santo Amaro do Imperatriz, Santa Catarina. Fruit obovate pyriform, 3 cm long, translucent, red. Seed small. Cultivated. Seed.

424902. Undetermined. Acanthaceae.

W-2031. Public market, Belem, Para. Herb to 0.5 m tall. Leaves opposite, lanceolate, acute. Flower with slender tube 3 cm long. Limb 2 lipped, lobes 2 cm wide, 1 cm long, purple with white spot at center of lower lip. Cultivated. Cuttings.

424903. Undetermined. Arecaceae.

W-1744. Botanical Garden, Rio de Janeiro, R.J. Dwarf palm, resembles *Kentia* in leaf. Inflorescence a long drooping spike. Fruit red. Cultivated. Seed.

424904. Undetermined.

W-1786. Coastal dunes at Recreio das Bandeiras, R. J. Dwarf cocoid pinnate-leaved palm to 0.5 m tall. Leaves spreading over sand, glaucous above, grayish beneath. Pinnae in several planes. Pedicel 30 to 40 cm. Inflorescence a spike, in fruit becoming conelike, resting on sand. Fruit woody, globos. Seed cocoid, 1 cm diameter. Wild. Seed.

424905. Undetermined. Bignoniaceae.

W-2003. Cerrado vegetation, 15 km from D. F. Elevation 1,500 m. Shrub to 1 m tall. Fruits compressed, chartaceous, elliptical, 4 cm long, 3 cm diameter. Wild. Seed.

424906. Undetermined. Bromeliaceae.

W-2046. EMBRAPA, Cruz das Almas, Bahia. Epiphytic herb, to 1 m tall. Inflorescence 2 m, pink. Wild. Plant.

424907. Undetermined. Commelinaceae.

W-1816. Dierberger Nursery, Limeira, S. P. Procumbent herb, reddish stems. Leaves green or green and white variegated, narrow, oblong, acute, to 8 cm long, margin somewhat undulate. Cultivated. Cuttings.

424908. Undetermined. Asteraceae.

W-1882. Boa Vista, Municipio de Rancho Queimado, Santa Catarina. Elevation 1,200 m. Herb to 0.5 m tall. Stems winged, leafless. Flowers in terminal cluster, minute. Local name Carceja. Wild. Seed.

424909. Undetermined. Cyatheaceae.

W-1817. Dierberger Nursery, Limeira, S. P. Said to be a tree fern. Fronds bipinnate. Resembles *Cyathea* species. Cultivated. Spores.

424671 to 424925—Continued

434910. Undetermined. Cyatheaceae.

W-1876. Between Rancho Queimado and Alfredo Wagner, Santa Catarina. Tree fern to 4 m tall, trunk covered with thick mat of adventitious roots. Wild. Spores.

424911. Undetermined.

W-1997. Farm of D. C. Giacometti, D.F. Tree fern to 2 m tall. Fronds bipinnate, pale green, to 1 m. Wild. Spores.

424912. Undetermined. Fabaceae.

W-1781. Coastal dunes, Recreio das Bandeiras, R.J. Shrub to 1 m tall. Leaves compound. Fruit single seeded. Seed adheres to one valve after dehiscence, 1.5 cm long, glossy, divided orange and black. Wild. Seed.

424913. Undetermined.

W-1998. Farm of D. C. Giacometti, D.F. Prostrate, herbaceous. Leaves short, petioled, 2 lobed. Lobes obovate, 2 cm long. Flower solitary, erect on 5 cm pedicel, caesalpiniod. Capsule 4 cm long by 3 mm. Wild. Seed.

424914. Undetermined. Gesneriaceae.

W-1764. Cerro de Petropolis (near Petropolis), R.J. Herb. Rosette of basal obovate leaves. Inflorescences several flowered. Wild. Plant.

424915. Undetermined.

W-1765. Cerro de Petropolis (near Petropolis), R.J. Epiphytic vine. Leaves opposite, fleshy, dark green, to 2.5 cm long. Wild. Plant.

424916. Undetermined.

W-2034. Public market, Belem, Para. Herb to 20 cm tall. Leaves opposite, elliptical, dark green above, purplish below, 15 cm long. Flowers in lateral cymes. Calyx orange red, 1.5 cm long. Flower tubular, yellow, 2 cm long. Local name Mendara. Cultivated. Plant.

424917. Undetermined. Iridaceae.

W-1793. Jardim Aclimacao, Sao Paulo, S. P. Dwarf, clump forming perennial herb, to 15 cm tall. Foliage irislike. Flower to 5 cm diameter, white marked with purple in throat. Grows in shade as ground cover. Cultivated. Seed.

424918. Undetermined. Myrtaceae.

W-1992. Cerrado vegetation, 15 km from Brasilia, D. F. Elevation 1,500 m. Shrub to 1 m tall. Fruit terminal 0.5 cm diameter. Leaves oblong, to 3 cm long. Possible ornamental. Wild. Seed.

424919. Undetermined. Polypodiaceae.

W-1844. Reserva Biologica de Sapitanduva (near Antonina), Parana. Climbing fern with singly pinnate fronds to 0.4 m long. Spores on specialized frond. Wild. Spores.

424920. Undetermined.

W-1995. Farm of D. C. Giacometti, D. F. Fern with pinnate leaves to 1 m long, dark green, leathery. Wild. Spores.

424921. Undetermined. Rubiaceae.

W-1994. Cerrado vegetation, 15 km from Brasilia, D. F. Stiff shrub to 2 m tall. Leaves oblong, 15 cm long, prominently veined. Flowers white in lateral umbels. Fruit ovoid, black. Wild. Seed.

423150 to 423509—Continued

424922. Undetermined. Sapotaceae.

W-1785. Coastal dunes, Recreo das Bandeiras, R. J. Coarse shrub to 1 m tall. Leaves oblong, obtuse, 8 to 10 cm by 4 cm. Fruit ovoid, 2 cm, glossy red to brownish red at full maturity, persistent stigma. Copious milky latex, very sweet. Seed glossy black, 1 cm long, slightly compressed laterally. Hilum, one-third of one edge. Wild. Seed.

4244923. Undetermined. Tiliaceae.

W-1993. Cerrado vegetation, 15 km from Brasilia, D. F. Herb to 1 m tall. Leaves oblong, entire, dentate, pubescent, to 3 cm long. Flowers 5 petaled, clear salmon red, 3 cm diameter. Wild. Seed.

424924. Undetermined.

W-1879. Leather leaf fern to 5 m. Leaves compound dark green. Resembles florist fern. Wild. Seed.

424925. Undetermined.

W-1970. Donated by D. C. Giacometti from farm at Juiz de Fora, Minas Geras. Woody vine. Fruits 1.5 cm to 2 cm with several flattened seeds, dark purple, edible. Local name Jaboticaba de Mato. Wild. Seed.

424926. HELIANTHUS ANNUUS L. Asteraceae. Sunflower.

From South Africa. Seed presented by T. C. Nel, Division of Seed Control, Department of Agricultural Technical Services, Pretoria. Received February 22, 1978.

'Kortus'. Vigorous, large leafed, tall. Self incompatible. Late maturing. Locally adapted, open pollinated. Russian origin.

424927 to 426159. VIGNA RADIATA (L.) Wilcek var. RADIATA Fabaceae. Mung bean.

From Taiwan. Seed presented August 1977 by Asian Vegetable Research and Development Center, Shanhun, Taiwan. Numbered April 17, 1978.

- 424927. V1001. BK-1. Bangkok, Thailand.
- 424928. V1002. BK-2. Bangkok, Thailand.
- 424929. V1003. BK-3. Bangkok, Thailand.
- 424930. V1004. BK-4. Bangkok, Thailand.
- 424931. V1005. CM-1. Chieng Mai, Thailand.
- 424932. V1006. CM-2. Chieng Mai, Thailand.
- 424933. V1007. CM-3. Chieng Mai, Thailand.
- 424934. V1008. CM-4. Chieng Maj, Thailand.
- 424935. V1009. CM-5. Chieng Mai, Thailand.
- 424936. V1010. CM-6. Chieng Mai, Thailand.
- 424937. V1011. CM-7. Chieng Mai, Thailand.
- 424938. V1015. CM-11. Chieng Mai, Thailand.
- 424939. V1016. CM-12. Chieng Mai, Thailand.
- 424940. V1017. CM-13. Chieng Mai, Thailand.
- 424941. V1018. CM-14. Chieng Mai, Thailand.
- 424942. V1019. CM-15. Chieng Mai, Thailand.

424927 to 426159—Continued

424943. V1020. CM-16. Chieng Mai, Thailand.
424944. V1021. CM-17. Chieng Mai, Thailand.
424945. V1022. CM-18. Chieng Mai, Thailand.
424946. V1023. CM-19. Chieng Mai, Thailand.
424947. V1024. CM-20. Chieng Mai, Thailand.
424948. V1025. CM-21. Chieng Mai, Thailand.
424949. V1026. CM-22. Chieng Mai, Thailand.
424950. V1028. BK-5. Bangkok, Thailand.
424951. V1029. BK-6. Bangkok, Thailand.
424952. V1030. BK-7. Bangkok, Thailand.
424953. V1033. BK-10. Bangkok, Thailand.
424954. V1034. BK-11. Bangkok, Thailand.
424955. V1035. BK-12. Bangkok, Thailand.
424956. V1036. BK-13. Bangkok, Thailand.
424957. V1037. BK-14. Bangkok, Thailand.
424958. V1038. BK-15. Bangkok, Thailand.
424959. V1039. BK-16. Bangkok, Thailand.
424960. V1040. BK-17. Bangkok, Thailand.
424961. V1041. BK-18. Bangkok, Thailand.
424962. V1042. BK-19. Bangkok, Thailand.
424963. V1043. BK-20. Bangkok, Thailand.
424964. V1044. BK-21. Bangkok, Thailand.
424965. V1045. BK-22. Bangkok, Thailand.
424966. V1046. BK-23. Bangkok, Thailand.
424967. V1047. BK-24. Bangkok, Thailand.
424968. V1048. BK-25. Bangkok, Thailand.
424969. V1049. BK-26. Bangkok, Thailand.
424970. V1050. BK-27. Bangkok, Thailand.
424971. V1051. BK-28. Bangkok, Thailand.
424972. V1052. BK-29. Bangkok, Thailand.
424973. V1053. HK-1. Hong Kong.
424974. V1055. HK-3. Hong Kong.
424975. V1056. HK-4. Hong Kong.
424976. V1057. HK-5. Hong Kong.
424977. V1058. HK-6. Hong Kong.
424978. V1059. HK-7. Hong Kong.
424979. V1060. HK-8. Hong Kong.
424980. V1061. HK-9. Hong Kong.
424981. V1062. HK-10. Hong Kong.
424982. V1063. HK-11. Hong Kong.
424983. V1065. HK-13. Hong Kong.
424984. V1066. PH. Coll. 1. Philippines.

424927 to 426159—Continued

424985. V1068. PH. Coll. 5. Philippines.
 424986. V1069. PH. Coll. 6. Philippines.
 424987. V1070. PH. Coll. 7. Philippines.
 424988. V1071. PH. Coll. 8. Philippines.
 424989. V1072. PH. Coll. 10. Philippines.
 424990. V1073. PH. Coll. 11. Philippines.
 424991. V1074. PH. Coll. 12. Philippines.
 424992. V1075. PH. Coll. 13. Philippines.
 424993. V1077. PH. Coll. 17. Philippines.
 424994. V1078. PH. Coll. 20. Philippines.
 424995. V1081. PH. Coll. 23. Philippines.
 424996. V1082. PH. Coll. 24. Philippines.
 424977. V1083. PH. Coll. 25. Philippines.
 424998. V1084. PH. Coll. 26. Philippines.
 424999. V1085. PH. Coll. 27. Philippines.
 425000. V1086. PH. Coll. 28. Philippines.
 425001. V1087. PH. Coll. 29. Philippines.
 425002. V1088. PH. Coll. 30. Philippines.
 425003. V1089. PH. Coll. 31. Philippines.
 425004. V1090. PH. Coll. 32. Philippines.
 425005. V1092. PH. Coll. 34. Philippines.
 425006. V1093. PH. Coll. 34A. Philippines.
 425007. V1094. PH. Coll. 35. Philippines.
 425008. V1095. PH. Coll. 36. Philippines.
 425009. V1096. PH. Coll. 37. Philippines.
 425010. V1334. M1635. M^o Phu Yen, Vietnam.
 425011. V1336. M1637. Hon Ninh Thuan, Vietnam.
 425012. V1340. M1641. 133. Taiwan.
 425013. V1344. M1579. Indonesia.
 425014. V1345. M1842. 69/662. South Africa.
 425015. V1347. M1946. AL 2.3. France.
 425016. V1349. D. France.
 425017. V1350. M1923. El 1.1.M. France.
 425018. V1352. G. France.
 425019. V1354. M1925. J. France.
 425020. V1355. M1926. K. France.
 425021. V1356. L. France.
 425022. V1357. M1927. M. France.
 425023. V1358. M1928. N. France.
 425024. V1359. M1929. P. France.
 425025. V1360. M1930. Q. France.
 425026. V1361. M1931. R. France.

424927 to 426159—Continued

425027. V1362. M1932. S. France.
 425028. V1363. T. France.
 425029. V1367. M1950. X. France.
 425030. V1368. Y. France.
 425031. V1369. M1951. Z. France.
 425032. V1370. M1952. BA. France.
 425033. V1371. M1953. BB. France.
 425034. V1373. BC. France.
 425035. V1382. M1685. PHLV #193. Philippines.
 425036. V1384. PHLV #198. Philippines.
 425037. V1390. M1711. Des-M-2. Philippines.
 425038. V1398. MG-59-4-7. Philippines.
 425039. V1401. PHLV #194. Philippines.
 425040. V1403. M1691. Philippines.
 425041. V1404. M1692. PHLV #170. Philippines.
 425042. V1405. PHLV #195. Philippines.
 425043. V1407. PHLV #180. Philippines.
 425044. V1408. M1694. PHLV #191. Philippines.
 425045. V1417. M1696. Local variety. Philippines.
 425046. V1423. EG-MY-17. Philippines.
 425047. V1424. M1644. SP. Taiwan.
 425048. V1425. M1699. 21-1. Philippines.
 425049. V1426. M1700. 21-2. Philippines.
 425050. V1427. M1701. 21-3. Philippines.
 425051. V1428. M1702. Dala Tong. Philippines.
 425052. V1429. M1703. SP. Philippines.
 425053. V1432. STB #3. Katjang Idjo 7. Indonesia.
 425054. V1433. M1580. STB #11. Aurebia 2. Madagascar.
 425055. V1437. STB #8/1. Katjang Idjo 6. Flores, Indonesia.
 425056. V1439. STB #8/2. Aurebia 1. Africa.
 425057. V1440. STB #9/1. Aurebia Tjoroko. Kilima, Africa.
 425058. V1442. STB #20/2. Arta Item. Soemenep, Indonesia.
 425059. V1443. STB #26. Mass Karsi 1. Origin unknown.
 425060. V1444. M1582. STB #28. Panen 4/16 72. Origin unknown.
 425061. V1445. STB #27. Blanco 21-10-72. Origin unknown.
 425062. V1446. STB #29. Panen 11/11 72. Origin unknown.
 425063. V1447. M1583. STB #54. SP. Origin unknown.
 425064. V1449. STB #60. Origin unknown.
 425065. V1450. STB #61. Origin unknown.
 425066. V1452. STB #63. Origin unknown.
 425067. V1453. STB #64. Origin unknown.
 425068. V1454. STB #65. Origin unknown.

424927 to 426159—Continued

425069. V1455. STB #66. Origin unknown.
425070. V1456. STB #68. Origin unknown.
425071. V1457. STB #70. CPI 12106. India.
425072. V1458. Katjang Idjo 7. Oost Flore, Indonesia.
425073. V1460. M1584. STB#72. Origin unknown.
425074. V1462. STB #75. Thailand.
425075. V1463. STB #76. Tue Kio. Thailand.
425076. V1464. STB #77. Tue Tong. Thailand.
425077. V1465. STB #79. Kleingfel Selection 1. Makassar, Indonesia.
425078. V1466. STB #110. Mung Lalgola. Pakistan.
425079. V1467. STB #111. Mung Dacca. Pakistan.
425080. V1468. M1586. STM #112. Mash 80. Pakistan.
425081. V1470. M1588. STB #116. Pakistan.
425082. V1471. STB #121. Ketjaman, Indonesia.
425083. V1472. STB #122. Timur, Indonesia.
425084. V1475. STB #125. Sona Mung. Pakistan.
425085. V1477. M1592. STB #130. Ujjain C114. Ceylon.
425086. V1478. M1593. STB #131. Mung Bean Papna. Ceylon.
425087. V1479. STB #132. Ceylon.
425088. V1480. M1594. STB #136. Gwalier 18. Ceylon.
425089. V1481. STB #137. Timur, Indonesia.
425090. V1483. STB #140. Kretek. Tegal, Indonesia.
425091. V1484. M1595. CES-140. STB #161. Philippines.
425092. V1485. STB #83. Kleingram Selection 1. Makassar, Indonesia.
425093. V1486. M1596. STB #89. Green Mungo. Philippines.
425094. V1487. M1597. STB #90. Philippines.
425095. V1488. STB #92. CPI 12105. India.
425096. V1489. STB #93. India.
425097. V1490. STB #94. CPI 5979. Texas, United States.
425098. V1491. STB #95. CPI 12106. India.
425099. V1492. STB #96. CPI 12142. Cuba.
425100. V1493. STB #109. Mung Faridpur 1. Pakistan.
425101. V1494. STB #149. Sulawesi, Indonesia.
425102. V1495. STB #144. Sumbawa, Indonesia.
425103. V1496. STB #145. M. I (1) Yala. Ceylon.
425104. V1497. STB #146. M. I (2) Yala. Ceylon.
425105. V1498. STB #150. Sulawesi, Indonesia.
425106. V1499. STB #155. Mung Hybrid No. 2. India.
425107. V1500. STB #156. Djawa, Indonesia.
425108. V1503. STB #159. Black Matsje. Thailand.
425109. V1504. Ngandguk, Indonesia.
425110. V1505. STB #58. Origin unknown.

424927 to 426159—Continued

- 425111. V1506. STB #4. Origin unknown.
- 425112. V1507. STB #12. Probolinggo, Indonesia.
- 425113. V1508. STB #6. Bandjar, Indonesia.
- 425114. V1509. STB #56. Origin unknown.
- 425115. V1511. Arta Koneng 2. Soemenep, Indonesia.
- 425116. V1516. STB #113. Mosh 48. Pakistan.
- 425117. V1517. STB #84. Klein gram Selection 2. Makassar, Indonesia.
- 425118. V1522. Kleingeel Selection 3. Makassar, Indonesia.
- 425119. V1523. STB #97. CPI 11034. Canada.
- 425120. V1524. STB #147. M.1 (1) Yala. Ceylon.
- 425121. V1525. STB #148. Katjang Dugu. Sulawesi, Indonesia.
- 425122. V1526. STB #152. Sulawesi, Indonesia.
- 425123. V1527. STB #153. Djatibar, Indonesia.
- 425124. V1529. STB #151. Sulawesi, Indonesia.
- 425125. V1951. India.
- 425126. V1960. M1515. TH1. Thailand.
- 425127. V1961. M1516. TH2. Thailand.
- 425128. V1962. M1517. TH3. Thailand.
- 425129. V1963. M1518. TH4. Thailand.
- 425130. V1964. M962. Dr. Wu's collection. Thailand.
- 425131. V1988. M157. India.
- 425132. V2018. PLU-313. India.
- 425133. V2021. M1552. PLM-501. India.
- 425134. V2022. M1533. MP-18. India.
- 425135. V2027. M1555. Barsati 1-23. India.
- 425136. V2028. M1556. 4409. India.
- 425137. V2029. M1557. Formosa Moh. India.
- 425138. V2033. Eui 188 Yuba Mung. India.
- 425139. V2035. M1560. PLM-446. India.
- 425140. V2046. CO.1. India.
- 425141. V2049. M1598. Bogor 3. Indonesia.
- 425142. V2050. M1599. Bogor 4. Indonesia.
- 425143. V2052. M1600. Bogor 6. Indonesia.
- 425144. V2053. M1601. Bogor 7. Indonesia.
- 425145. V2054. M1602. Bogor 8. Indonesia.
- 425146. V2055. M1603. Bogor 9. Indonesia.
- 425147. V2057. M1605. Bogor 11. Indonesia.
- 425148. V2058. M1606. DJK 1. Indonesia.
- 425149. V2061. M1609. DJK 4. Indonesia.
- 425150. V2063. M1844. Guam Aguna 2. Aguna, Guam.
- 425151. V2067. M1848. CPI 13201. Australia.
- 425152. V2068. M1849. CPI 20147. Australia.

424927 to 426159—Continued

425153. V2070. M1851. CPI 29973. Australia.
425154. V2071. M1852. CPI 30757. Australia.
425155. V2072. M1853. CPI 30758. Australia.
425156. V2073. M1854. Berken. Australia.
425157. V2075. M1856. Golden Mung. Australia.
425158. V2077. OSU M-115. Q 10596. Australia.
425159. V2078. OSU M-51. Q 10597. Australia.
425160. V2080. OSU M-79. Q 10599. Australia.
425161. V2084. M1857. CPI 30756. Australia.
425162. V2085. M1858. Hermitage RS. Australia.
425163. V2086. M1859. Brigalow. Australia.
425164. V2087. M1860. Toowoomba. Australia.
425165. V2091. M1864. CPI 30753. Australia.
425166. V2098. M1871. Q 10593. Australia.
425167. V2099. M1872. Q 10594. Australia.
425168. V2100. M1873. Q 10595. Australia.
425169. V2106. M1879. Q 10601. Australia.
425170. V2110. M1883. VQ 857. Australia.
425171. V2111. M1884. Tallawang. Australia.
425172. V2112. M1885. Narragi. Australia.
425173. V2113. M1886. SCS2551. Australia.
425174. V2118. C Q5785. Australia.
425175. V2119. M1891. CQ12106. Australia.
425176. V2120. M1892. CQ12142. Australia.
425177. V2121. M1893. CQ13201. Australia.
425178. V2122. M1894. CQ13202. Australia.
425179. V2123. M1895. CQ16178. Australia.
425180. V2125. CQ16691. Australia.
425181. V2126. CQ17415. Australia.
425182. V2127. M1897. CQ17587. Australia.
425183. V2128. CQ17588. Australia.
425184. V2129. M1898. CQ18117. Australia.
425185. V2130. M1899. CQ18118. Australia.
425186. V2131. M1900. CQ19739. Australia.
425187. V2132. CQ20139. Australia.
425188. V2135. CQ20143. Australia.
425189. V2136. M1902. CQ20144. Australia.
425190. V2137. M1903. CQ20147. Australia.
415191. V2139. M1905. CQ24299. Australia.
425192. V2142. M1908. CQ27414. Australia.
425193. V2143. M1909. CQ27760. Australia.
425194. V2144. M1910. CQ28925 63/4. Australia.

424927 to 426159—Continued

425195. V2145. M1911. CQ28925 63/5. Australia.
 425196. V2146. M1912. CQ29217. Australia.
 425197. V2147. M1913. CQ29219. Australia.
 425198. V2148. M1914. CQ29235. Australia.
 425199. V2149. M1915. CQ29236. Australia.
 425200. V2150. M1916. CQ29237. Australia.
 425201. V2151. M1917. CQ29238. Australia.
 425202. V2152. M1918. CQ29240. Australia.
 425203. V2153. M1919. CQ29640. Australia.
 425204. V2154. M1920. CQ29643. Australia.
 425205. V2157. M1934. CQ29917. Australia.
 425206. V2158. M1935. CQ29918. Australia.
 425207. V2159. M1936. CQ29919. Australia.
 425208. V2162. M1939. CQ29972. Australia.
 425209. V2163. M1940. CQ29973. Australia.
 425210. V2164. M1941. CQ30065. Australia.
 425211. V2168. CQ17014. Australia.
 425212. V2170. M1731. PHLV #3. Philippines.
 425213. V2173. M1732. PHLV #6. Philippines.
 425214. V2175. M1735. PHLV #9. Philippines.
 425215. V2176. M1736. PHLV #10. Philippines.
 425216. V2178. PHLV #12. Philippines.
 425217. V2181. PHLV #15. Philippines.
 425218. V2183. PHLV #17. Philippines.
 425219. V2197. OSU M-128. Origin unknown.
 425220. V2214. M1762. PHLV #173. Philippines.
 425221. V2215. M1763. PHLV #174. Philippines.
 425222. V2216. M1764. PHLV #177. Philippines.
 425223. V2217. M1765. PHLV #178. Philippines.
 425224. V2218. M1766. PHLV #179. Philippines.
 425225. V2221. M1769. PHLV #186. PARC. Philippines.
 425226. V2222. M1770. PHLV #187. PARC. Philippines.
 425227. V2223. M1771. PHLV #188. PARC. Philippines.
 425228. V2225. M1773. PHLV #196. PARC. Philippines.
 425229. V2226. M1774. PHLV #197. PARC. Philippines.
 425230. V2227. PHLV #201. PARC. Philippines.
 425231. V2229. M1776. Dau Mo Phouc-tuy. Vietnam.
 425232. V2230. M1777. Dau Moc Long Khanh. Vietnam.
 425233. V2231. M1778. Dau Cui An-giang. Vietnam.
 425234. V2233. M1780. Dau Mo An-giang. Vietnam.
 425235. V2234. M1781. Dau Mo Kieng-phong. Vietnam.
 425236. V2236. M1782. PARC 67-D10. Philippines.

424927 to 426159—Continued

425237. V2237. PARC 62-13B-(X). Philippines.
425238. V2238. PARC 62-13B-1-(X). Philippines.
425239. V2239. M1783. DES-M-1. Philippines.
425240. V2240. V1784. DES-M-3. Philippines.
425241. V2241. M1785. DES-M-4. Philippines.
425242. V2242. M1786. DES-M-5. Philippines.
425243. V2243. M1787. PHLV #218. Philippines.
425244. V2244. M1788. PHLV #219. Philippines.
425245. V2245. M1789. PHLV #222. Philippines.
425246. V2246. M1790. PHLV #223. Philippines.
425247. V2247. M1791. PHLV #225. Philippines.
425248. V2252. M1792. Mo. Vietnam.
425249. V2253. Moc. Vietnam.
425250. V2254. Siwlik. Origin unknown.
425251. V2255. M1793. Bhakti. Indonesia.
425252. V2267. M1794. CES Selection. Philippines.
425253. V2274. M1795. ML-7. India.
425254. V2278. M1450. LM697. ML-11. India.
425255. V2280. M1798. ML-13. India.
425256. V2283. M1801. ML-15. India.
425257. V2285. M1452. LM703. ML-17. India.
425258. V2286. M1802. ML-19. India.
425259. V2287. M1803. ML-20. India.
425260. V2295. M1809. 48-157-111 3. United States.
425261. V2302. M1816. 48-071-00889. Iran.
425262. V2312. M1714. 48-071-00912. Iran.
425263. V2318. M1720. 48-071-00683. Iran.
425264. V2319. M1721. 48-071-00682. Iran.
425265. V2321. M1723. 48-071-00674. Iran.
425266. V2322. M1724. 48-071-00672. Iran.
425267. V2330. M1829. 48-071-10962. Iran.
425268. V2334. 48-071-11160. Origin unknown.
425269. V2353. M1727. PHLV #377. Philippines.
425270. V2355. M1957. S-66 Formosa Moh. Philippines.
425271. V2356. M1958. Pakistan mixed. Pakistan.
425272. V2364. M1963. FAO 31.078. India.
425273. V2409. LM044. 1-34-8. India.
425274. V2412. LM049. 1-61-71. India.
425275. V2414. LM051. 1-75-56. India.
425276. V2423. LM060. 2-156-124. India.
425277. V2429. LM066. EE1. India.
425278. V2430. LM067. P 96. India.

424927 to 426159—Continued

425279. V2431. LM068. IC4668. India.
425280. V2433. LM070. EC15002. United States.
425281. V2441. LM081. EC15034. India.
425282. V2443. LM083. EC15037. India.
425283. V2451. LM091. EC15054. Turkey.
425284. V2462. LM106. EC15080. India.
425285. V2466. LM110. EC15088. India.
425286. V2467. LM112. EC15125. Afghanistan.
425287. V2468. LM113. EC15127. Afghanistan.
425288. V2474. LM119. EC15143. India.
425289. V2475. LM120. EC15148. India.
425290. V2479. LM124. EC15159. Afghanistan.
425291. V2482. LM128. EC15168. India.
425292. V2483. LM129. EC15165. India.
425293. V2485. LM131. EC15172. United States.
425294. V2488. LM134. EC15176. Madagascar.
425295. V2490. LM137. EC15181. Iran.
425296. V2491. LM138. EC15182. Afghanistan.
425297. V2493. LM141. EC15186. Afghanistan.
425298. V2494. LM142. EC15187. Afghanistan.
425299. V2496. LM144. EC15191. Afghanistan.
425300. V2498. LM147. EC15196. India.
425301. V2499. LM148. EC15197. India.
425302. V2503. LM152. EC15201. India.
425303. V2509. LM158. EC15209. Pakistan.
425304. V2517. LM168. EC15225. Pakistan.
425305. V2523. LM175. EC15234. Iran.
425306. V2525. LM179. EC15246. Iran.
425307. V2529. LM183. MS9385. India.
425308. V2530. LM184. 1535/3. India.
425309. V2533. LM189. MS9702/2. India.
425310. V2534. LM191. 1788/9. India.
425311. V2535. LM192. MS9552. India.
425312. V2538. LM195. 1732/1-1. India.
425313. V2540. LM198. Bapatata. India.
425314. V2541. LM199. NA 6. India.
425315. V2542. LM200. Malur. India.
425316. V2543. LM201. NA 9. India.
425317. V2544. LM203. 1725/2. India.
425318. V2549. LM212. Vilathia Rulum. India.
425319. V2550. LM215. MS9384. India.
425320. V2552. LM219. 1789/3. India.

424927 to 426159—Continued

425321. V2553. LM220. 1733/1. India.
 425322. V2558. LM231. P391. India.
 425323. V2561. LM234. P395. India.
 425324. V2562. LM235. P396. ¹ India.
 425325. V2563. LM236. P397. India.
 425326. V2564. LM237. P399. India.
 425327. V2569. LM246. P412. India.
 425328. V2570. LM248. P419. India.
 425329. V2573. LM274. 10-6/2. India.
 425330. V2578. LM280. C-4. India.
 425331. V2585. LM304. 9-10/8B. India.
 425332. V2586. LM305. 9-14/5. India.
 425333. V2589. LM309. C-13. India.
 425334. V2612. LM342. EC16273. Origin unknown.
 425335. V2615. LM347. EC16569. Origin unknown.
 425336. V2616. LM350. EC25971-4. Origin unknown.
 425337. V2617. LM351. K-6607. Union of Soviet Socialist Republics.
 425338. V2618. LM352. EC27255-5. Origin unknown.
 425339. V2619. LM353. EC27295-3. Origin unknown.
 425340. V2620. LM354. EC27574. Origin unknown.
 425341. V2621. LM355. EC3080. Origin unknown.
 425342. V2622. LM356. EC3161. Australia.
 425343. V2623. LM357. IC9122. India.
 425344. V2626. LM360. MK 18. Origin unknown.
 425345. V2628. LM362. M-34. India.
 425346. V2630. LM364. M-41 (Kulu). India.
 425347. V2631. LM365. M-50. India.
 425348. V2632. LM366. M-54. India.
 425349. V2634. LM368. M-116-1. India.
 425350. V2635. LM369. M-156 (PB). India.
 425351. V2637. LM371. M-267. India.
 425352. V2641. LM375. Trilobed. India.
 425353. V2646. LM381. PH238. India.
 425354. V2648. LM383. RS-5. India.
 425355. V2649. LM384. RS-9. India.
 425356. V2651. LM386. D7-55. India.
 425357. V2653. LM388. D-2-16. India.
 425358. V2657. LM392. Green Mung. India.
 425359. V2658. LM393. Green Mung Hybrid. India.
 425360. V2659. LM394. Dhalichaita. India.
 425361. V2660. LM395. Dhala-Biri. India.
 425362. V2661. LM396. Kopergaon. India.

424927 to 426159—Continued

425363. V2664. LM401. 144-52. India.
425364. V2665. LM402. 119-52. India.
425365. V2666. LM403. 24-3. India.
425366. V2667. LM404. 24-2. India.
425367. V2668. LM405. ST 7. India.
425368. V2672. LM409. India.
425369. V2673. LM410. MC91. India.
425370. V2675. LM412. B1. India.
425371. V2676. LM413. CCB 4-4-4. India.
425372. V2677. LM415. CDB 15-2-3. India.
425373. V2678. LM417. Selection 18. India.
425374. V2679. LM419. D 41-9. India.
425375. V2680. LM420. D 51-6. India.
425376. V2681. LM421. 4-4-5. India.
425377. V2682. LM424. RS-38. India.
425378. V2683. LM247. 192-1. India.
425379. V2687. LM431. P336. India.
425380. V2688. LM432. P686. India.
425381. V2689. LM433. P493-B-2. India.
425382. V2694. LM440. No. 54. India.
425383. V2695. LM442. RS16. India.
425384. V2696. LM445. G-37. India.
425385. V2697. LM446. G-4. India.
425386. V2699. LM448. R 12-76-3. India.
425387. V2701. LM450. G-40. India.
425388. V2702. LM451. G-42. India.
425389. V2703. LM452. G-28. India.
425390. V2704. LM454. EC27515. India.
425391. V2706. LM499. PH 44. India.
425392. V2708. LM506. PH 283. India.
425393. V2709. LM501. PH 81. India.
425394. V2711. LM505. PH 196. India.
425395. V2712. LM507. PH 359. India.
425396. V2713. LM508. PH 362. India.
425397. V2714. LM523. PH 10.006. India.
425398. V2715. LM524. PH 10.009. India.
425399. V2717. LM529. PH 10.064. India.
425400. V2719. LM533. PH 10.105. India.
425401. V2720. LM534. PH 10.106. India.
425402. V2721. LM536. PH 10.138. India.
425403. V2723. LM554. PH 10.353. India.
425404. V2724. LM555. PH 10.381. India.

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425405.	V2725.	LM561.	PH 10.422.	India.
425406.	V2726.	LM563.	PH 10.429.	India.
425407.	V2727.	LM568.	PH 10.539.	India.
425408.	V2728.	LM557.	PH 10.392.	India.
425409.	V2729.	LM559.	PH 10.405.	India.
425410.	V2730.	LM570.	PH 10.629.	India.
425411.	V2731.	LM573.	PH 10.667.	India.
425412.	V2732.	LM576.	PH 10.672.	India.
425413.	V2733.	LM590.	PH 10.723.	India.
425414.	V2734.	LM593.	PH 10.780.	India.
425415.	V2735.	LM596.	PH 10.790.	India.
425416.	V2736.	LM597.	PH 10.798.	India.
425417.	V2737.	LM598.	PH 10.806.	India.
425418.	V2738.	LM599.	PH 10.807.	India.
425419.	V2739.	LM510.	PH 444.	India.
425420.	V2742.	LM515.	PH 617.	India.
425421.	V2744.	LM517.	PH 633.	India.
425422.	V2748.	LM581.	PH 10.681.	India.
425423.	V2749.	LM582.	PH 10.682.	India.
425424.	V2750.	LM584.	PH 10.690.	India.
425425.	V2751.	LM588.	PH 10.713.	India.
425426.	V2752.	LM605.	PH 10.827.	India.
425427.	V2753.	LM606.	PH 10.846.	India.
425428.	V2754.	LM608.	PH 10.856.	India.
425429.	V2755.	LM610.	PH 10.864.	India.
425430.	V2756.	LM611.	PH 10.865.	India.
425431.	V2757.	LM612.	PH 10.866.	India.
425432.	V2758.	LM613.	PH 10.870.	India.
425433.	V2759.	LM614.	PH 10.875.	India.
425434.	V2760.	LM621.	PH 10.919.	India.
425435.	V2761.	LM622.	PH 10.920.	India.
425436.	V2762.	LM624.	PH 10.925.	India.
425437.	V2763.	LM628.	PH 10.938.	India.
425438.	V2764.	LM629.	PH 10.954.	India.
425439.	V2765.	LM638.	PH 11.005.	India.
425440.	V2766.	LM639.	PH 11.013.	India.
425441.	V2767.	LM640.	PH 11.014.	India.
425442.	V2768.	LM641.	PH 11.015.	India.
425443.	V2769.	LM642.	PH 11.017.	India.
425444.	V2770.	LM658.	PH 11.058.	India.
425445.	V2771.	LM664.	PH 11.074.	India.
425446.	V2777.	LM695.	ML-9.	India.

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425447. V2780. LM701. ML-15. India.
425448. V2783. LM709. ML-23. India.
425449. V2786. LM712. ML-26. India.
425450. V2787. LM714. ML-28. India.
425451. V2789. LM718. ML-32. India.
425452. V2790. LM719. ML-33. India.
425453. V2791. LM720. ML-34. India.
425454. V2794. LM725. ML-39. India.
425455. V2796. East Coast. Taiwan.
425456. V2797. TN-2. Taiwan.
425457. V2798. TN-6. Thailand.
425458. V2799. Middle East.
425459. V2800. Oriental. Origin unknown.
425460. V2801. Philippines.
425461. V2802. Philippines.
425462. V2807. No. 87. Origin unknown.
425463. V2809. Local Cultivar 2. Taiwan.
425464. V2810. Local Cultivar 3. Taiwan.
425465. V2819. Mung Oriental. Origin unknown.
425466. V2830. V1005-1. CM-1 (Selection at AVRDC). Chiang Mai, Thailand.
425467. V2831. V1008-1. CM-4 (Selection at AVRDC). Chiang Mai, Thailand.
425468. V2832. V1019-1. CM-15 (Selection at AVRDC). Chiang Mai, Thailand.
425469. V2833. V1023-1. CM-19 (Selection at AVRDC). Chiang Mai, Thailand.
425470. V2834. V1027-1. CM-23 (Selection at AVRDC). Chiang Mai, Thailand.
425471. V2835. V1028-1. BK-5 (Selection at AVRDC). Bangkok, Thailand.
425472. V2836. V1062-1. HK-10 (Selection at AVRDC). Hong Kong.
425473. V2837. V1067-1-1. PH Coll. 2 Selection. Philippines.
425474. V2838. V1067-1-5. PH Coll. 2 Selection. Philippines.
425475. V2839. V1078-1. PH Coll. 20 Selection. Philippines.
425476. V2840. V1338-1. KS-B-11. Taiwan.
425477. V2841. V-1338-3. KS-B-11. Taiwan.
425478. V2842. V1427. 21-3. Philippines.
425479. V2843. V1431-1-1. PH Coll. 14 (Selection at AVRDC). Philippines.
425480. V2844. V1431-2-3. PH Coll. 14 (Selection at AVRDC). Philippines.

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425481. V2845. V1431-3-1. PH Coll. 14 (Selection at AVRDC). Philippines.
425482. V2846. V1431-2. PH Coll. 14 (Selection at AVRDC). Philippines.
425483. V2847. V-1622-1. LM080. India.
425484. V2849. V-1845 ES. OB 54. India.
425485. V2850. V1850 ES. OB 75-1. India.
425486. V2851. V1850-1. OB 75-1. India.
425487. V2852. V1922-1. 6317. India.
425488. V2853. V1932-1. 6221. India.
425489. V2854. V1954-1-1. S-8. India.
425490. V2855. V1954-1-2. S-8. India.
425491. V2856. V1954-2-1. S-8. India.
425492. V2857. V1960-1. TH-1. Thailand.
425493. V2859. V-1962-1-2. TH-3. Thailand.
425494. V2860. V2010-1. Philippines.
425495. V2861. V2056-1. Bogor 10. Indonesia.
425496. V2862. V2060-1. DJK-3. Indonesia.
425497. V2863. V2170-1. PHLV #3. Philippines.
425498. V2865. PH 11.013. India.
425499. V2866. V2362-1. Hybrid 45. India.
425500. V2867. V2362-2. Hybrid 45. India.
425501. V2868. V2796-1. East Coast. Taiwan.
425502. V2869. V1121-1. India.
425503. V2872. V-1771-1. P-25. India.
425504. V2873. V1824-1. C-4. India.
425505. V2875. V1849-1. OB 71-2. India.
425506. V2876. V1851-1. OB 76-1/1. India.
425507. V2877. V1851-2. OB 76-1/1. India.
425508. V2878. V1851-3. OB 76-1/1. India.
425509. V2879. V1851-4. OB 76-1/1. India.
425510. V2880. V1851-5. OB 76-1/1. India.
425511. V2881. V1998-1. Philippines.
425512. V2882. V1999-1. Philippines.
425513. V2883. V2182-1. PHLV #16. Philippines.
425514. V2884. V2182-2. PHLV #16. Philippines.
425515. V2885. V2203-1. Philippines.
425516. V2886. V2209-1. Philippines.
425517. V2887. From Mr. Luh's Collection. Thailand.
425518. V2891. NGG 4. England.
425519. V2900. NGG 13. England.
425520. V2901. NGG 15. England.

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- 425521. V2904. NGG 18. England.
- 425522. V2905. NGG 19. England.
- 425523. V2906. NGG 20. England.
- 425524. V2907. NGG 21. England.
- 425525. V2909. NGG 23. England.
- 425526. V2910. NGG 24. England.
- 425527. V2911. NGG 25. England.
- 425528. V2912. NGG 26. England.
- 425529. V2913. NGG 27. England.
- 425530. V2915. NGG 29. England.
- 425531. V2916. NGG 30. England.
- 425532. V2918. NGG 32. England.
- 425533. V2919. NGG 35. England.
- 425534. V2921. NGG 37. England.
- 425535. V2992. NGG 38. England.
- 425536. V2924. NGG 40. England.
- 425537. V2925. NGG 41. England.
- 425538. V2927. NGG 43. England.
- 425539. V2928. NGG 44. England.
- 425540. V2929. NGG 45. England.
- 425541. V2930. Bangkok market, Thailand.
- 425542. V2931. Kang Won Jaerae B. Korea.
- 425543. V2932. Kang Won Jaerae C. Korea.
- 425544. V2933. Chung-nam Jaerae. Korea.
- 425545. V2934. Chung-buk Jaerae. Korea.
- 425546. V2935. Hae-nam Jaerae. Korea.
- 425547. V2940. Bangrusan. Korea.
- 425548. V2941. Daeran Nok-du. Korea.
- 425549. V2942. Jaerae-jong #1. Korea.
- 425550. V2943. Jaerae-jong #2. Korea.
- 425551. V2945. Jaerae-jong #4. Korea.
- 425552. V2946. Jaerae-jong #5. Korea.
- 425553. V2947. Jaerae-jong #6. Korea.
- 425554. V2948. Jaerae-jong #7. Korea.
- 425555. V2949. Jaerae-jong #8. Korea.
- 425556. V2950. Jaerae-jong #9. Korea.
- 425557. V2951. Chung-buk Jaerae #1. Korea.
- 425558. V2958. Chung-buk Jaerae #8. Korea.
- 425559. V2961. Chung-buk Jaerae #11. Korea.
- 425560. V2965. Chung-buk Jaerae #15. Korea.
- 425561. V2966. Chung-buk Jaerae #16. Korea.
- 425562. V2968. Chung-buk Jaerae #18. Korea.

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425563. V2969. Chung-buk Jaerae #19. Korea.
 425564. V2972. Chung-buk Jaerae #22. Korea.
 425565. V2973. Chung-buk Jaerae #23. Korea.
 425566. V2974. Chung-buk Jaerae #24. Korea.
 425567. V2975. Chung-buk Jaerae #25. Korea.
 425568. V2976. Jaerae #2. Korea.
 425569. V2977. Chung-ju Nok-du #3. Korea.
 425570. V2978. Chung-ju Nok-du #4. Korea.
 425571. V2979. Chung-ju Nok-du #6. Korea.
 425572. V2983. Kyung-ki Jaerae #4. Korea.
 425573. V2985. Kyung-ki Jaerae #6. Korea.
 425574. V2986. Kyung-ki Jaerae #7. Korea.
 425575. V2988. Kyung-ki Jaerae #9. Korea.
 425576. V2990. Kyung-ki Jaerae #11. Korea.
 425577. V2991. Kyung-ki Jaerae #12. Korea.
 425578. V2992. Kyung-ki Jaerae #13. Korea.
 425579. V2993. Kyung-ki Jaerae #14. Korea.
 425580. V2994. Kyung-ki Jaerae #15. Korea.
 425581. V2996. Kyung-ki Jaerae #17. Korea.
 425582. V2998. Kyung-buk Jaerae #1. Korea.
 425583. V2999. Kang-won Jaerae #2. Korea.
 425584. V3000. Kang-won Jaerae #3. Korea.
 425585. V3001. Jun-buk Jaerae #1. Korea.
 425586. V3002. Kyung-nam Jaerae #1. Korea.
 425587. V3003. Jaerae Nok-du. Korea.
 425588. V3021. M34. Kusumi 2-11. India.
 425589. V3050. EB 6. United States.
 425590. V3058. M96. OSU M-75. Oaem 55-79. United States.
 425591. V3204. V2170-1. PHLV #2 (selection). Philippines.
 425592. V3206. V2182-1. PHLV #16 (selection). Philippines.
 425593. V3207. Local CV #4. Tainan, Taiwan.
 425594. V3208. Local CV #5. Tainan, Taiwan.
 425595. V3209. Local CV #6. Tainan, Taiwan.
 425596. V3210. Mr. Luh's Collection, Indonesia.
 425597. V3211. Mr. Luh's Collection, Indonesia.
 425598. V3212. Dr. Chandler's Collection, Bangladesh.
 425599. V3213. Mr. Menegay's Collection, Thailand.
 425600. V3215. NEMB-1. 001-M. Afghanistan.
 425601. V3216. NEMB-2. 002-M. Afghanistan.
 425602. V3217. NEMB-3. 003-M. Afghanistan.
 425603. V3218. NEMB-4. 008-M. Afghanistan.
 425604. V3219. NEMB-5. 042-M. Afghanistan.

424927 to 426159—Continued

425605. V3220. NEMB-6. 049-M. Afghanistan.
425606. V3221. NEMB-7. 060-M. Afghanistan.
425607. V3222. NEMB-8. 062-M. Afghanistan.
425608. V3223. NEMB-9. 063-M. Afghanistan.
425609. V3224. NEMB-10. 081-M. Afghanistan.
425610. V3225. NEMB-11. 082-M. Afghanistan.
425611. V3226. NEMB-12. 090-M. Afghanistan.
425612. V3227. NEMB-13. 109-M. Afghanistan.
425613. V3228. NEMB-14. 110-M. Afghanistan.
425614. V3229. NEMB-16. 119-M. Afghanistan.
425615. V3230. NEMB-17. 120-M. Afghanistan.
425616. V3231. NEMB-18. 121-M. Afghanistan.
425617. V3232. NEMB-19. 132-M. Afghanistan.
425618. V3233. NEMB-20. 140-M. Afghanistan.
425619. V3234. NEMB-21. 150-M. Afghanistan.
425620. V3235. NEMB-22. 161-M. Afghanistan.
425621. V3236. NEMB-23. 167-M. Afghanistan.
425622. V3237. NEMB-24. 174-M. Afghanistan.
425623. V3238. NEMB-25. 175-M. Afghanistan.
425624. V3239. NEMB-26. 177-M. Afghanistan.
425625. V3240. NEMB-27. 180-M. Afghanistan.
425626. V3241. NEMB-28. 181-M. Afghanistan.
425627. V3242. NEMB-29. 182-M. Afghanistan.
425628. V3243. NEMB-30. 185-M. Afghanistan.
425629. V3244. NEMB-31. 186-M. Afghanistan.
425630. V3245. NEMB-32. 188-M. Afghanistan.
425631. V3246. NEMB-33. 189-M. Afghanistan.
425632. V3247. NEMB-34. 195-M. Afghanistan.
425633. V3248. NEMB-35. 200-M. Afghanistan.
425634. V3249. NEMB-36. 209-M. Afghanistan.
425635. V3250. NEMB-37. 224-M. Afghanistan.
425636. V3251. NEMB-38. 226-M. Afghanistan.
425637. V3252. NEMB-39. 227-M. Afghanistan.
425638. V3253. NEMB-40. 230-M. Afghanistan.
425639. V3254. NEMB-41. 232-M. Afghanistan.
425640. V3255. NEMB-42. 242-M. Afghanistan.
425641. V3256. NEMB-43. 245-M. Afghanistan.
425642. V3257. NEMB-44. 262-M. Afghanistan.
425643. V3258. NEMB-45. 264-M. Afghanistan.
425644. V3259. NEMB-46. 267-M. Afghanistan.
425645. V3260. NEMB-47. 268-M. Afghanistan.
425646. V3261. NEMB-48. 270-M. Afghanistan.

424927 to 426159—Continued

425647.	V3262.	NEMB-49.	272-M.	Afghanistan.
425648.	V3263.	NEMB-50.	278-M.	Afghanistan.
425649.	V3264.	NEMB-51.	302-M.	Afghanistan.
425650.	V3266.	NEMB-53.	314-M.	Afghanistan.
425651.	V3267.	NEMB-54.	320-M.	Afghanistan.
425652.	V3268.	NEMB-55.	321-M.	Afghanistan.
425653.	V3269.	NEMB-56.	335-M.	Afghanistan.
425654.	V3270.	NEMB-57.	340-M.	Afghanistan.
425655.	V3271.	NEMB-58.	364-M.	Afghanistan.
425656.	V3272.	NEMB-59.	367-M.	Afghanistan.
425657.	V3273.	NEMB-60.	368-M.	Afghanistan.
425658.	V3275.	NEMB-62.	375-M.	Afghanistan.
425659.	V3277.	NEMB-64.	399-M.	Afghanistan.
425660.	V3278.	NEMB-65.	418-M.	Afghanistan.
425661.	V3280.	NEMB-67.	430-M.	Afghanistan.
425662.	V3281.	NEMB-68.	437-B-M.	Afghanistan.
425663.	V3282.	NEMB-69.	438-M.	Afghanistan.
425664.	V3283.	NEMB-70.	441-M.	Afghanistan.
425665.	V3284.	NEMB-71.	443-M.	Afghanistan.
425666.	V3285.	NEMB-72.	446-M.	Afghanistan.
425667.	V3286.	NEMB-73.	451-M.	Afghanistan.
425668.	V3287.	NEMB-74.	461-M.	Afghanistan.
425669.	V3288.	NEMB-75.	462-M.	Afghanistan.
425670.	V3289.	NEMB-76.	466-M.	Afghanistan.
425671.	V3290.	NEMB-77.	467-M.	Afghanistan.
425672.	V3291.	NEMB-78.	470-M.	Afghanistan.
425673.	V3292.	NEMB-79.	477-M.	Afghanistan.
425674.	V3293.	NEMB-80.	483-M.	Afghanistan.
425675.	V3294.	NEMB-81.	489-M.	Afghanistan.
425676.	V3295.	NEMB-82.	493-M.	Afghanistan.
425677.	V3296.	NEMB-83.	495-M.	Afghanistan.
425678.	V3297.	NEMB-84.	512-M.	Afghanistan.
425679.	V3298.	NEMB-85.	518-M.	Afghanistan.
425680.	V3299.	NEMB-86.	523-M.	Afghanistan.
425681.	V3300.	NEMB-87.	527-M.	Afghanistan.
425682.	V3301.	NEMB-88.	533-M.	Afghanistan.
425683.	V3302.	NEMB-89.	534-M.	Afghanistan.
425684.	V3303.	NEMB-90.	540-M.	Afghanistan.
425685.	V3304.	NEMB-91.	543-M.	Afghanistan.
425686.	V3305.	NEMB-92.	544-M.	Afghanistan.
425687.	V3306.	NEMB-93.	546-M.	Afghanistan.
425688.	V3307.	NEMB-94.	552-M.	Afghanistan.

424927 to 426159—Continued

425689. V3308. NEMB-95. 556-M. Afghanistan.
425690. V3309. NEMB-96. 560-M. Afghanistan.
425691. V3310. NEMB-97. 565-M. Afghanistan.
425692. V3311. NEMB-98. 566-M. Afghanistan.
425693. V3312. NEMB-99. 567-M. Afghanistan.
425694. V3313. NEMB-100. 570-M. Afghanistan.
425695. V3314. NEMB-101. 585-M. Afghanistan.
425696. V3315. NEMB-102. 588-M. Afghanistan.
425697. V3316. NEMB-103. 591-M. Afghanistan.
425698. V3317. NEMB-104. 601-M. Afghanistan.
425699. V3318. NEMB-105. 602-M. Afghanistan.
425700. V3319. NEMB-106. 606-M. Afghanistan.
425701. V3320. NEMB-107. 612-M. Afghanistan.
425702. V3321. NEMB-108. 617-M. Afghanistan.
425703. V3322. NEMB-109. 618-M. Afghanistan.
425704. V3323. NEMB-110. 622-M. Afghanistan.
425705. V3324. NEMB-111. 625-M. Afghanistan.
425706. V3325. NEMB-112. 630-M. Afghanistan.
425707. V3326. NEMB-113. 635-M. Afghanistan.
425708. V3327. NEMB-114. 639-M. Afghanistan.
425709. V3328. NEMB-115. 644-M. Afghanistan.
425710. V3329. NEMB-116. 645-M. Afghanistan.
425711. V3330. NEMB-117. 668-M. Afghanistan.
425712. V3331. NEMB-118. 681-M. Afghanistan.
425713. V3332. NEMB-119. 688-M. Afghanistan.
425714. V3333. NEMB-120. 691-M. Afghanistan.
425715. V3334. NEMB-121. 693-M. Afghanistan.
425716. V3335. NEMB-122. 694-M. Afghanistan.
425717. V3336. NEMB-123. 695-M. Afghanistan.
425718. V3337. NEMB-124. 696-M. Afghanistan.
425719. V3338. NEMB-125. 701-M. Afghanistan.
425720. V3339. NEMB-126. 705-M. Afghanistan.
425721. V3340. NEMB-127. 710-M. Afghanistan.
425722. V3341. NEMB-128. 712-M. Afghanistan.
425723. V3342. NEMB-129. 733-M. Afghanistan.
425724. V3343. NEMB-130. 734-M. Afghanistan.
425725. V3344. NEMB-131. 736-M. Afghanistan.
425726. V3345. NEMB-132. 737-M. Afghanistan.
425727. V3346. NEMB-133. 738-M. Afghanistan.
425728. V3347. NEMB-134. 739-M. Afghanistan.
425729. V3348. NEMB-135. 743-M. Afghanistan.
425730. V3349. NEMB-136. 761-M. Afghanistan.

424927 to 426159—Continued

425731. V3350. NEMB-137. 768-M. Afghanistan.
425732. V3351. NEMB-138. 769-M. Afghanistan.
425733. V3352. NEMB-139. 794-M. Afghanistan.
425734. V3353. NEMB-140. 795-M. Afghanistan.
425735. V3354. NEMB-141. 796-M. Afghanistan.
425736. V3355. NEMB-142. 797-M. Afghanistan.
425737. V3356. NEMB-143. 799-M. Afghanistan.
425738. V3357. NEMB-144. 812-M. Afghanistan.
425739. V3358. NEMB-145. 817-M. Afghanistan.
425740. V3359. NEMB-146. 821-M. Afghanistan.
425741. V3360. NEMB-147. 826-M. Afghanistan.
425742. V3361. NEMB-148. 829-M. Afghanistan.
425743. V3362. NEMB-149. 830-M. Afghanistan.
425744. V3363. NEMB-150. 837-M. Afghanistan.
425745. V3364. NEMB-151. 841-M. Afghanistan.
425746. V3365. NEMB-152. 861-M. Afghanistan.
425747. V3366. NEMB-153. 863-M. Afghanistan.
425748. V3367. Dau Mo. Vietnam.
425749. V3368. Dau Xanh. Vietnam.
425750. V3369. Bundomame. Japan. V3370. Yuen Long 1. China.
425751. V3370. Yuen Long 1. China.
425752. V3371. Yuen Long 2. China.
425753. V3382. IVAU 26. 64017. Nigeria.
425754. V3384. IVAU 74. 48-157-10004. USA.
425755. V3385. IVAU 81. 48-069-10105. India.
425756. V3386. IVAU 90. 48-157-11085. USA.
425757. V3392. BK-30 (MKT HP 1975). Bangkok, Thailand.
425758. V3393. BK-31 (MKT HP 1975). Bangkok, Thailand.
425759. V3394. BK-32 (MKT HP 1975). Bangkok, Thailand.
425760. V3395. BK-33 (MKT HP 1975). Bangkok, Thailand.
425761. V3396. Chainat #1 (MKT HP). Chainat, Thailand.
425762. V3401. TH4 (MKT HP 1975). Thailand.
425763. V3402. TH5 (MKT HP 1975). Thailand.
425764. V3403. TH6 (MKT HP 1975). Thailand.
425765. V3406. EC27087-2. India.
425766. V3407. EC27261-3. India.
425767. V3408. P476. India.
425768. V3409. P646. India.
225769. V3410. CO.2. India.
425770. V3411. PLS 265. India.
425771. V3412. PLS 334. India.
425772. V3413. PLS 367/2. India.

424927 to 426159—Continued

425773. V3414. 605/1. India.
 425774. V3415. Madira Moong. India.
 425775. V3416. PLS 240. India.
 425776. V3417. No. 122. India.
 425777. V3418. Mutant 2. India.
 425778. V3419. L24/2. India.
 425779. V3420. KL-1. (MKT HP 1975). Thailand.
 425780. V3421. KL-2. (MKT HP 1975). Thailand.
 425781. V3422. KL-3. (MKT HP 1975). Thailand.
 425782. V3423. KL-4. (MKT HP 1975). Origin unknown.
 425783. V3424. KL-5. (MKT HP 1975). Thailand.
 425784. V3425. KL-6. (MKT HP 1975). Origin unknown.
 425785. V3426. SP-1. (MKT HP 1975). Origin unknown.
 425786. V3427. SP-2. (MKT HP 1975). Thailand.
 425787. V3428. SP-3. (MKT HP 1975). Thailand.
 425788. V3429. SP-4. (MKT HP 1975). China.
 425789. V3430. SP-5. (MKT HP 1975). China.
 425790. V3431. HK-18. (MKT HP 1975). Thailand.
 425791. V3432. HK-19. (MKT HP 1975). Thailand.
 425792. V3434. HK-21. (MKT HP 1975). Origin unknown.
 425793. V3435. Dr. Baku's collection, Thailand.
 425794. V3436. Busan #1 (Seoung's). Korea.
 425795. V3437. Busan #2. Korea.
 425796. V3438. Jinju. Korea.
 425797. V3439. Masan. Korea.
 425798. V3440. Daegu #2. Korea.
 425799. V3441. Daegu #3. Korea.
 425800. V3442. Andong. Korea.
 425801. V3443. Wekwon. Korea.
 425802. V3444. Yisung. Korea.
 425803. V3445. Youngchun. Korea.
 425804. V3446. Sangju. Korea.
 425805. V3447. Koryung #1. Korea.
 425806. V3448. Koryung #2. Korea.
 425807. V3449. Kimchun #2 (Seoung's). Korea.
 425808. V3450. Kyungsan #1 (Seoung's). Korea.
 425809. V3451. Kyungsan #2 (Seoung's). Korea.
 425810. V3452. Kyungsan #3 (Seoung's). Korea.
 425811. V3453. Chochiwon (Seoung's). Korea.
 425812. V3454. Chungju (Seoung's). Korea.
 425813. V3455. Koksung (Seoung's). Korea.
 425814. V3456. IRI (Seoung's). Korea.

424927 to 426159—Continued

425815. V3457. Junju (Seoung's). Korea.
 425816. V3458. Kimje #1 (Seoung's). Korea.
 425817. V3459. Kimke #2 (Seoung's). Korea.
 425818. V3460. Daeduk (Seoung's). Korea.
 425819. V3461. Chungok (Seoung's). Korea.
 425820. V3462. Peradeniya (William's). Sri Lanka.
 425821. V3463. P476 (Dr. Mew's). India.
 425822. V3465. ML-4. Acc. 292. Philippines.
 425823. V3466. ML-6. Acc. 294. Philippines.
 425824. V3467. ML-18. Acc. 306. Philippines.
 425825. V3468. CS Q-1. (CES 28 X ML-3). Philippines.
 425826. V3469. CES U-1. (CES 28 X ML-18). Philippines.
 425827. V3470. CES U-2. (CES 28 X ML-18). Philippines.
 425828. V3471. ML-8. Acc. 296. Philippines.
 425829. V3472. ML-9. Acc. 297. Philippines.
 425830. V3473. ML-16. Acc. 304. Philippines.
 425831. V3474. ML-17. Acc. 305. Philippines.
 425832. V3475. CES X-10. (CES 55 X ML-4). Philippines.
 425833. V3476. CES 1D-21. (CES 87 X ML-4). Philippines.
 425834. V3477. SR Coll. Sri Lanka.
 425835. V3478. TP-1. Middle East.
 425836. V3479. TP-2. Middle East.
 425837. V3480. TP-3. Middle East.
 425838. V3482. TP-5. Middle East.
 425839. V3483. TP-6. Middle East.
 425840. V3485. PAK-22. Pakistan.
 425841. V3486. 71-17. Pakistan.
 425842. V3487. 71-27. Pakistan.
 425843. V3488. Paciencia. Ecuador.
 425844. V3489. 811. Origin unknown.
 425845. V3490. Bhacti. Indonesia.
 425846. V3491. Dau Mo Log Khanh. Vietnam.
 425847. V3492. MUT-72. India.
 425848. V3493. PAK-22. India.
 425849. V3531. M476. Barehai. India.
 425850. V3532. M481. Bolangir Local. India.
 425851. V3533. M483. T-51-4N. India.
 425852. V3534. M484. T-51-4N (Dwarf mutant). India.
 425853. V3535. M485. T-51-4N-Tall. India.
 425854. V3620. M1170. 40. (Watt & Finkner 1973 collection). Lamphun, Thailand.

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425855. V3621. M1171. 41. (Watt & Finkner 1973 collection). Lamphun, Thailand.
425856. V3625. M1175. 45. (Watt & Finkner 1973 collection.) Phet Kan, Thailand.
425857. V3629. M1179. 51. (Watt & Finkner 1973 collection). Phet Ban, Thailand.
425858. V3673. M1235. 170. (Watt & Finkner 1973 collection). Plichit, Thailand.
425859. V3707. M2050. MX21-1 Mo203 X MO232. Missouri, United States.
425860. V3731. 48-069-10994. India.
425861. V3732. 48-069-10986. India.
425862. V3733. 48-069-11002. India.
425863. V3734. 48-069-11010. India.
425864. V3735. 48-069-11012. India.
425865. V3736. 48-069-11016. India.
425866. V3737. 48-069-11028. India.
425867. V3738. 48-069-11038. India.
425868. V3739. 48-069-11047. India.
425869. V3740. 48-069-11055. India.
425870. V3741. 48-069-11068. India.
425871. V3742. 48-069-11078. India.
425872. V3743. 48-071-10285. Iran.
425873. V3744. 48-071-10292. Iran.
425874. V3745. 48-071-10297. Iran.
425875. V3746. 48-071-10299. Iran.
425876. V3747. 48-071-10301. Iran.
425877. V3748. 48-071-10306. Iran.
425878. V3749. 48-071-10325. Iran.
425879. V3750. 48-071-10331. Iran.
425880. V3751. 48-071-10334. Iran.
425881. V3752. 48-071-10338. Iran.
425882. V3753. 48-071-10340. Iran.
425883. V3754. 48-071-10343. Iran.
425884. V3755. 48-071-10345. Iran.
425885. V3756. 48-071-10348. Iran.
425886. V3757. 48-071-10349. Iran.
425887. V3758. 48-071-10354. Iran.
425888. V3759. 48-071-10357. Iran.
425889. V3760. 48-071-10366. Iran.
425890. V3761. 48-071-10372. Iran.
425891. V3762. 48-071-10375. Iran.
425892. V3763. 48-071-10376. Iran.

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425893.	V3764.	48-071-10380.	Iran.
425894.	V3765.	48-071-10384.	Iran.
425895.	V3766.	48-071-10385.	Iran.
425896.	V3767.	48-071-10388.	Iran.
425897.	V3768.	48-071-10394.	Iran.
425898.	V3769.	48-071-10398.	Iran.
425899.	V3770.	48-071-10402.	Iran.
425900.	V3771.	48-071-10403.	Iran.
425901.	V3772.	48-071-10406.	Iran.
425902.	V3773.	48-071-10407.	Iran.
425903.	V3774.	48-071-10408.	Iran.
425904.	V3775.	48-071-10415.	Iran.
425905.	V3776.	48-071-10420.	Iran.
425906.	V3777.	48-071-10424.	Iran.
425907.	V3778.	48-071-10428.	Iran.
425908.	V3779.	48-071-10434.	Iran.
425909.	V3780.	48-071-10437.	Iran.
425910.	V3781.	48-071-10442.	Iran.
425911.	V3782.	48-071-10448.	Iran.
425912.	V3783.	48-071-10452.	Iran.
425913.	V3784.	48-071-10455.	Iran.
425914.	V3785.	48-071-10457.	Iran.
425915.	V3786.	48-071-10461.	Iran.
425916.	V3787.	48-071-10464.	Iran.
425917.	V3788.	48-071-10467.	Iran.
425918.	V3789.	48-071-10469.	Iran.
425919.	V3790.	48-071-10474.	Iran.
425920.	V3791.	48-071-10478.	Iran.
425921.	V3792.	48-071-10483.	Iran.
425922.	V3793.	48-071-10486.	Iran.
425923.	V3794.	48-071-10489.	Iran.
425924.	V3795.	48-071-10492.	Iran.
425925.	V3796.	48-071-10493.	Iran.
425926.	V3797.	48-071-10497.	Iran.
425927.	V3798.	48-071-10501.	Iran.
425928.	V3799.	48-071-10502.	Iran.
425929.	V3800.	48-071-10506.	Iran.
425930.	V3801.	48-071-10507.	Iran.
425931.	V3802.	48-071-10510.	Iran.
425932.	V3803.	48-071-10511.	Iran.
425933.	V3804.	48-071-10517.	Iran.
425934.	V3805.	48-071-10520.	Iran.

424927 to 426159—Continued

425935. V3806. 48-071-10524. Iran.
425936. V3807. 48-071-10525. Iran.
425937. V3808. 48-071-10532. Iran.
425938. V3809. 48-071-10537. Iran.
425939. V3810. 48-071-10545. Iran.
425940. V3811. 48-071-10546. Iran.
425941. V3812. 48-071-10551. Iran.
425942. V3813. 48-071-10555. Iran.
425943. V3814. 48-071-10560. Iran.
425944. V3815. 48-071-10565. Iran.
425945. V3816. 48-071-10561. Iran.
425946. V3817. 48-071-10564. Iran.
425947. V3818. 48-071-10570. Iran.
425948. V3819. 48-071-10576. Iran.
425949. V3820. 48-071-10582. Iran.
425950. V3821. 48-071-10590. Iran.
425951. V3822. 48-071-10604. Iran.
425952. V3823. 48-071-10609. Iran.
425953. V3824. 48-071-10614. Iran.
425954. V3826. 48-071-10623. Iran.
425955. V3827. 48-071-10628. Iran.
425956. V3828. 48-071-10632. Iran.
425957. V3830. 48-071-10638. Iran.
425958. V3831. 48-071-10640. Iran.
425959. V3832. 48-071-10645. Iran.
425960. V3833. 48-071-10648. Iran.
425961. V3834. 48-071-10650. Iran.
425962. V3835. 48-071-10659. Iran.
425963. V3836. 48-071-10664. Iran.
425964. V3838. 48-071-10673. Iran.
425965. V3839. 48-071-10682. Iran.
425966. V3840. 48-071-10687. Iran.
425967. V3841. 48-071-10690. Iran.
425968. V3842. 48-071-10695. Iran.
425969. V3843. 48-071-10699. Iran.
425970. V3844. 48-071-10704. Iran.
425971. V3845. 48-071-10706. Iran.
425972. V3847. 48-071-10716. Iran.
425973. V3848. 48-071-10719. Iran.
425974. V3849. 48-071-10725. Iran.
425975. V3850. 48-071-10730. Iran.
425976. V3851. 48-071-10734. Iran.

424927 to 426159—Continued

425977.	V3852.	48-071-10740.	Iran.
425978.	V3853.	48-071-10743.	Iran.
425979.	V3854.	48-071-10745.	Iran.
425980.	V3855.	48-071-10748.	Iran.
425981.	V3856.	48-071-10753.	Iran.
425982.	V3857.	48-071-10756.	Iran.
425983.	V3858.	48-071-10761.	Iran.
425984.	V3859.	48-071-10812.	Iran.
425985.	V3860.	48-071-10814.	Iran.
425986.	V3861.	48-071-10815.	Iran.
425987.	V3862.	48-071-10820.	Iran.
425988.	V3863.	48-071-10822.	Iran.
425989.	V3864.	48-071-10826.	Iran.
425990.	V3865.	48-071-10829.	Iran.
425991.	V3866.	48-071-10832.	Iran.
425992.	V3867.	48-071-10834.	Iran.
425993.	V3868.	48-071-10835.	Iran.
425994.	V3869.	48-071-10839.	Iran.
425995.	V3870.	48-071-10842.	Iran.
425996.	V3871.	48-071-10844.	Iran.
425997.	V3873.	48-071-10852.	Iran.
425998.	V3874.	48-071-10856.	Iran.
425999.	V3876.	48-071-10870.	Iran.
426000.	V3878.	48-071-10875.	Iran.
426001.	V3879.	48-071-10879.	Iran.
426002.	V3880.	48-071-10883.	Iran.
426003.	V3881.	48-071-10886.	Iran.
426004.	V3882.	48-071-10888.	Iran.
426005.	V3883.	48-071-10889.	Iran.
426006.	V3884.	48-071-10892.	Iran.
426007.	V3885.	48-071-10896.	Iran.
426008.	V3886.	48-071-10902.	Iran.
426009.	V3887.	48-071-10912.	Iran.
426010.	V3889.	48-071-10941.	Iran.
426011.	V3890.	48-071-10942.	Iran.
426012.	V3892.	48-071-10946.	Iran.
426013.	V3893.	48-071-10948.	Iran.
426014.	V3894.	48-071-10950.	Iran.
426015.	V3895.	48-071-10951.	Iran.
426016.	V3896.	48-071-10954.	Iran.
426017.	V3897.	48-071-10959.	Iran.
426018.	V3898.	48-071-10963.	Iran.

424927 to 426159—Continued

426019. V3899. 48-071-10967. Iran.
 426020. V3900. 48-071-10968. Iran.
 426021. V3901. 48-071-10969. Iran.
 426022. V3902. 48-071-10973. Iran.
 426023. V3903. 48-071-10978. Iran.
 426024. V3904. 48-071-10983. Iran.
 426025. V4863. V1048-1. BK-25 (green). Bangkok, Thailand.
 426026. V4864. V1048-2. BK-25 (mottle). Bangkok, Thailand.
 426027. V4865. V1069-1. PH. Coll. 6 (yellow). Philippines.
 426028. V4866. V1069-2. PH. Coll. 6 (green). Philippines.
 426029. V4867. V1094-1. PH. Coll. 35 (yellow). Philippines.
 426030. V4868. V1094-2. PH. Coll. 35 (GBR). Philippines.
 426031. V4908. V1311-1. P.I. 305413 (green). Iraq.
 426032. V4909. V1311-2. P.I. 305413 (mottle). Iraq.
 426033. V4912. M1597. V1487-1. STB #90 (green). Philippines.
 426034. V4913. M1597. V1487-2. STB #90 (mottle). Philippines.
 426035. V5000. Shanhua 1 (Fr V2773). India.
 426036. V5012. M1516. V1961-1. TH. 2 (seed large). Thailand.
 426037. V5013. M1516. V1961-2. TH. 2 (seed small). Thailand.
 426038. V5018. M1846. V2065-1. Mt. Tyson (seed small). Australia.
 426039. V5019. M1846. V2065-2. Mt. Tyson (seed large). Australia.
 426040. V5020. V2070-1. C.P.I. 29973. M1851 (yellow). Australia.
 426041. V5021. V2070-2. C.P.I. 29973. M1851 (yellow). Australia.
 426042. V5022. V2098-1. Q10593. M1871 (seed large). Australia.
 426043. V5023. V2098-2. Q10593. M1871 (green). Australia.
 426044. V5024. V2098-3. Q10593. M1871 (mottle). Australia.
 426045. V5026. M1877. V2104-2. Q10599. OSU M-79 (green). Australia.
 426046. V5027. V2163-1. CQ29973. M1940 (yellow). Australia.
 426047. V5028. V2163-2. CQ29973. M1940 (brown). Australia.
 426048. V5029. V2237-1. PARC 62-13B-X (yellow). Philippines.
 426049. V5030. V2237-2. PARC 62-13B-X (green). Philippines.
 426050. V5031. V2313-1. 48-071-00876. M1715 (green). Iran.
 426051. V5032. V2313-2. 48-071-00876. M1715 (mottle). Iran.
 426052. V5035. V2381-1. NP-15-2. LM-13 (green). India.
 426053. V5036. V2381-2. NP-15-2. LM-13 (yellow). India.
 426054. V5037. V2391-1. NP-28. LM-26 (green). India.
 426055. V5038. V2391-2. NP-28. LM-26 (mottle). India.
 426056. V5039. V2392-1. NP-29. LM-27 (green). India.
 426057. V5040. V2392-2. NP-29. LM-27 (mottle). India.
 426058. V5041. V2407-1. 1-2-52. LM-42 (mottle). India.
 426059. V5042. V2407-2. 1-2-52. LM-42 (brown). India.

424927 to 426159—Continued

426060.	V5043.	V2410-1.	1-40-12.	LM-45 (green).	India.
246061.	V5045.	V2411-1.	1-43-77.	LM-46 (green).	India.
426062.	V5046.	V2411-2.	1-43-77.	LM-46 (mottle).	India.
426063.	V5047.	V2432-1.	EC16562.	LM-69 (green).	India.
426064.	V5048.	V2432-2.	EC16562.	LM-69 (mottle).	India.
426065.	V5049.	V2436-1.	EC15024.	M-157 (mottle).	India.
426066.	V5050.	V2436-2.	EC15024.	M-157 (brown).	India.
426067.	V5051.	V2438-1.	EC15027.	LM-76 (green).	India.
426068.	V5052.	V2438-2.	EC15027.	LM-76 (mottle).	India.
426069.	V5053.	V2442-1.	EC15035.	LM-82 (green).	India.
426070.	V5054.	V2442-1.	EC15035.	LM-82 (mottle).	India.
426071.	V5055.	V2444-1.	EC15040.	M-173 (green).	India.
426072.	V5056.	V2444-2.	EC15040.	M-173 (brown).	India.
426073.	V5057.	V2444-3.	EC15040.	M-173 (mottle).	India.
426074.	V5058.	V2452-1.	EC15057.	LM-92 (green).	India.
426075.	V5059.	V2452-2.	EC15057.	LM-92 (yellow).	India.
426076.	V5060.	V2454-1.	EC15060.	LM-94 (mottle).	India.
426077.	V5061.	V2454-2.	EC15060.	LM-94 (green).	India.
426078.	V5062.	V2456-1.	EC15062.	LM-96 (mottle).	India.
426079.	V5063.	V2456-2.	EC15062.	LM-96 (green).	India.
426080.	V5064.	V2463-1.	EC15082.	LM-107 (green).	India.
426081.	V5066.	V2466-1.	EC15088.	LM-110 (green).	India.
426082.	V5067.	V2466-2.	EC15088.	LM-110 (mottle).	India.
426083.	V5068.	V2474-1.	EC15143.	LM-119 (green).	India.
426084.	V5069.	V2474-2.	EC15143.	LM-119 (mottle).	India.
426085.	V5070.	V2479-1.	EC15159.	LM-124 (green).	India.
426086.	V5071.	V2479-2.	EC15159.	LM-124 (mottle).	India.
426087.	V5072.	V2482-1.	EC15168.	LM-128 (mottle).	India.
426088.	V5073.	V2482-2.	EC15168.	LM-128 (green).	India.
426089.	V5074.	V2484-1.	EC15170.	LM-130 (green).	India.
426090.	V5075.	V2484-2.	EC15170.	LM-130 (mottle).	India.
426091.	V5076.	V2485-1.	EC15172.	LM-131 (brown).	India.
426092.	V5077.	V2485-2.	EC15172.	LM-131 (mottle).	India.
426093.	V5078.	V2487-1.	EC15175.	LM-133 (mottle).	India.
426094.	V5079.	V2487-2.	EC15175.	LM-133 (green).	India.
426095.	V5080.	V2496-1.	EC15191.	LM-144 (green).	India.
426096.	V5081.	V2496-2.	EC15191.	LM-144 (mottle).	India.
426097.	V5082.	V2502-1.	EC15200.	LM-151 (GBR).	India.
426098.	V5083.	V2502-2.	EC15200.	LM-151 (mottle).	India.
426099.	V5084.	V2508-1.	EC15208.	M-262 (green).	India.
426100.	V5085.	V2508-2.	EC15208.	M-262 (mottle).	India.
426101.	V5086.	V2509-1.	EC15209.	LM-158 (green).	India.

424927 to 426159—Continued

426102. V5087. V2509-2. EC15209. LM-158 (mottle). India.
 426103. V5088. V2521-1. EC15230. LM-172 (mottle). India.
 426104. V5089. V2521-2. EC15230. LM-172 (GBR). India.
 426105. V5090. V2522-1. EC15233. LM-174 (green). India.
 426106. V5091. V2522-2. EC15233. LM-174 (mottle). India.
 426107. V5092. V2536-1. 1790/1. LM-193 (green). India.
 426108. V5093. V2536-2. 1790/1. LM-193 (GBR). India.
 426109. V5094. V2536-3. 1790/1. LM-193 (mottle). India.
 426110. V5095. V2539-1. MS-9717. LM-197 (green). India.
 426111. V5097. V2544-1. 1725/2. LM-203 (green). India.
 426112. V5098. V2544-2. 1725/2. LM-203 (mottle). India.
 426113. V5099. V2556-1. M-3. LM-226 (green). India.
 426114. V5100. V2556-1. M-3. LM-226 (mottle). India.
 426115. V5101. V2558-1. LM-231. P391 (green). India.
 426116. V5102. V2558-2. LM-231. P391 (mottle). India.
 426117. V5103. V2568-1. LM-245. P411 (mottle). India.
 426118. V5104. V2568-2. LM-245. P411 (green). India.
 426119. V5105. V2578-1. C-4. LM-280 (green). India.
 426120. V5106. V2578-2. C-4. LM-280 (mottle). India.
 426121. V5107. V2581-1. LM-293. OB 76-2/4 (green). India.
 426122. V5108. V2581-2. LM-293. OB 76-2/4 (mottle). India.
 426123. V5109. V2590-1. 12-10/29B-1. LM-301 (green). India.
 426124. V5110. V2590-2. 12-10/19B-1. LM-301 (mottle). India.
 426125. V5111. V2627-1. M-21-1. LM-361 (green). India.
 426126. V5112. V2627-2. M-21-1. LM-361 (mottle). India.
 426127. V5113. V2628-1. M-34. LM-362 (green). India.
 426128. V5114. V2628-2. M-34. LM-362 (mottle). India.
 426129. V5115. V2635-1. M-156 PB. LM-369 (green). India.
 426130. V5116. V2635-2. M-156 PB. LM-369 (mottle). India.
 426131. V5117. V2645-1. PH294. LM-380 (green). India.
 426132. V5118. V2645-2. PH294. LM-380 (mottle). India.
 426133. V5119. V2654-1. LM389. D-45-6 (green). India.
 426134. V5120. V2654-2. LM389. D-45-6 (mottle). India.
 426135. V5121. V2666-1. 24-3. LM-403 (green). India.
 426136. V5122. V2666-2. 24-3. LM-403 (mottle). India.
 426137. V5123. V2756-1. PH 10.865. LM-611 (green). India.
 426138. V5124. V2756-2. PH 10.865. LM-611 (mottle). India.
 426139. V5125. V2762-1. PH 10.925. LM-624 (green). India.
 426140. V5126. V2762-2. PH 10.925. LM-624 (mottle). India.
 426141. V5127. V2765-1. PH 11.005. LM-638 (mottle). India.
 426142. V5128. V2765-2. PH 11.005. LM-638 (green). India.
 426143. V5129. V2799-1. (green). Middle East.

424927 to 426159—Continued

426144. V5130. V2799-2. (mottle). Middle East.
 426145. V5133. V2851-1. OB 75-1 (brown). India.
 426146. V5134. V2851-2. OB 75-1 (dark mottle). India.
 426147. V5135. V2851-3. OB 75-1 (green mottle). India.
 426148. V5136. V2878-1. OB 76-1/1 (green). India.
 426149. V5137. V2878-2. OB 76-1/1 (mottle). India.
 426150. V5142. V3217-1. 003-M. NEMB-3 (green). Afghanistan.
 426151. V5143. V3217-2. 003-M. NEMB-3 (mottle). Afghanistan.
 426152. V5144. V3222-1. 062-M. NEMB-8 (mottle). Afghanistan.
 426153. V5145. V3222-2. 062-M. NEMB-8 (green). Afghanistan.
 426154. V5146. V3251-1. 226-M. NEMB-38 (green). Afghanistan.
 426155. V5147. V3251-2. 226-M. NEMB-38 (mottle). Afghanistan.
 426156. V5148. V3253-1. 230-M. NEMB-40 (green). Afghanistan.
 426157. V5149. V3253-2. 230-M. NEMB-40 (mottle). Afghanistan.
 426158. V5150. V3256-1. 245-M. NEMB-43 (mottle). Afghanistan.
 426159. V5151. V3256-2. 245-M. NEMB-43 (green). Afghanistan.

426160 to 426166.

From India. Seed presented by Department of Plant Breeding, Punjab Agricultural University, Ludhiana, through National Bureau of Plant Genetic Resources, New Delhi. Received February 21, 1978.

- 426160 to 426163. *CICER ARIETINUM* L. Fabaceae. Chickpea.
 426160. C-130. 708 × C235. High yielding. Susceptible to blight under humid conditions. Seed yellowish brown. Released 1971.
 426161. C-214. C24 × IP58. Resistant to wilt and frost. Released 1971 for dryland cultivation.
 426162. C-235. C1234 × IP58. Highly resistant to blight. Released 1960.
 426163. L-550. C104 × NP12. High yielding. Released 1974 for cultivation under irrigation.
 426164 to 426166. *LENS CULINARIS* Medik. Fabaceae. Lentil.
 426164. IL-19.
 426165. IL-30.
 426166. L9-12. Pure line selection from a local cultivar. Plants erect with profuse branching. Seed brown with black dots. Good cooking quality. Released 1962.

426167. CUCUMIS HARDWICKII Royle Cucurbitaceae.

From Nepal. Seed presented by B. P. Pant through Agency for International Development, American Embassy, Katmandu. Received March 2, 1978.

426168. ORYZA SATIVA L. Poaceae. Rice.

From Philippines. Seed presented by International Rice Research Institute, Manila.

Received February 10, 1978.
 IRRI 26869. 'Pokkali'.

426169 and 426170. CUCUMIS SATIVUS L. Cucurbitaceae.**Cucumber.**

From Philippines. Seed presented by J. R. Deanon, Jr., Vegetable Crops Division, University of the Philippines, Laguna. Received April 11, 1978.

426169. UPL-Cu-1 (CA-73-19). Vigorous. Leaves large, dark green. Produces predominantly female flowers. Fruit blocky, dark green with black spines, brown at maturity. Resistant to downy and powdery mildew, *Phytophthora* fruit rot, *Alternaria*, and fruit fly. Tolerant to watermelon mosaic virus, thrips, drought, and heat. Very good brining characteristics.

426170. UPL-Cu-2 (CA-73-21). Vigorous. Leaves large, dark green. Produces predominantly female flowers. Fruit blocky, light green, stippled, brown at maturity. Resistant to downy and powdery mildew, *Phytophthora* fruit rot, *Alternaria*, and fruit fly. Tolerant to watermelon mosaic virus, drought, and heat. Very good brining characteristics. Segregates for white and green fruits.

426171 to 426233.

From Afghanistan. Seed collected June 1976 by P. K. Knowles, Department of Agronomy and Range Science, University of California, Davis, California. Numbered March 24, 1978.

426171. ASTRAGALUS sp. Fabaceae.

K-1062. On roadbank at top of Rubatak pass, 48.3 km northwest of Pul-i-Khumri. Single plant, bushy, to 91.4 cm tall, perennial. Flowers yellow. Wild.

426172 to 426177. BRASSICA CAMPESTRIS L. Brassicaceae. Birdrape.

426172. K-1016. Charikar. Cultivated.

426173. K-1032. Market, Kunduz. Cultivated.

426174. K-1033. Market, Kunduz, originally from Bamiyan. Cultivated.

426175. K-1071. Mazar-i-Sharif. Local name Sharshum. Cultivated.

426176. K-1075. Khulm, originally from Mazar-i-Sharif. Cultivated.

426177. K-1081. No locality data.

426178. BRASSICA JUNCEA (L.) Czern. & Coss. Mustard greens.

K-1072. Mazar-i-Sharif. Cultivated.

426179. BRASSICA sp.

K-1053. Fifty-three km south of Kunduz. Wild.

426180 and 426181. CARTHAMUS LANATUS subsp. TURKESTANICUS (M. Pop.) Hanelt Asteraceae.

426180. K-1029. Twenty-four km south of Pul-i-Khumri on margin of flax field. Heads green. Flowers pale yellow. Wild.

426181. K-1050. Thirty-five and four-tenths km south of Kunduz. Wild.

426182 to 426185. CARTHAMUS OXYCANTHUS Bieb.

426182. K-1051. Fifty-three km south of Kunduz. Plant 61 to 91 cm tall. Cultivated.

426171 to 426233—Continued

426182 to 426185—Continued

426183. K-1054. Flax field, 54.7 km south of Kunduz. Plant robust, 51 to 91 cm tall. Wild.
426184. K-1073. Roadside on side of raised grade, 29 km east of Mazar-i-Sharif. Wild.
426185. K-1076. Flax field, 30.6 km east of "Y" in the road at Pul-i-Khumri. Plant robust, 61 to 91 cm tall. *Alternaria* and rust present. Wild.

426186. *CARTHAMUS TINCTORIUS* L. **Safflower.**

K-1015. Charikar. Cultivated.

426187. *CARTHAMUS* sp.

K-1028. Flax field, 24 km south of Pul-i-Khumri. Like *C. oxycanthus* but less bushy and taller, heads clumped. Wild.

426188. *CARTHAMUS* sp.

K-1062. No source data.

426189. *CARTHAMUS* sp.

K-1084. No source data.

426190 to 426197. *CICER ARIETINUM* L. Fabaceae. **Chickpea.**

426190. K-1001. Kabul, originally from Mazar-i-Sharif. Local name Chulley. Cultivated.

426191. K-1002. Kabul, originally from Herat. Cultivated.

426192. K-1003. Kabul, originally from Herat. Cultivated.

426193. K-1037. Market, Kunduz, originally from Taligum Province. Cultivated.

426194. K-1056. Baghlan. Cultivated.

426195. K-1057. Baghlan. Cultivated.

426196. K-1067. Mazar-i-Sharif. Cultivated.

426197. K-1068. Mazar-i-Sharif. Cultivated.

426198. *ERUCA VESICARIA* (L.) Cav. subsp. *SATIVA* (Mill.) Thell. Brassicaceae. **Rocket-salad.**

K-1027. Twenty-four km south of Pul-i-Khumri. Wild.

426199. *GLYCERIA* sp. Poaceae.

K-1061. Top of Rubatak pass, 48.3 km northwest of Pul-i-Khumri. Plant 15 to 20 cm tall, perennial. Wild.

426200. *HELIANTHUS ANNUUS* L. Asteraceae. **Sunflower.**

K-1014. Charikar. Cultivated.

426201. *LATHYRUS SATIVUS* L. Fabaceae. **Grass peavine.**

K-1017. Charikar. Local name vetch.

426202. *LENS CULINARIS* Medi. Fabaceae. **Lentil.**

K-1069. Mazar-i-Sharif. Cultivated.

426203 to 426206. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**

426203. K-1013. Charikar. Cultivated.

426204. K-1025. Twenty-four km south of Pul-i-Khumri. Cultivated.

426171 to 426233—Continued

426205. K-1030. Five km east of Kunduz. Cultivated.
426206. K-1031. Bazaar, Kunduz, originally from Dahama Ghari, 40.2 km west of Baghlan. Cultivated.
- 426207 to 426209. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
426207. K-1020. Charikar. Cultivated.
426208. K-1049. Bazaar, Kunduz. Cultivated.
426209. K-1079. Pul-i-Khumri. Cultivated.
426210. *ONOBRYCHIS* sp. Fabaceae.
- K-1063. Top of Rubatak pass, 48.3 km northwest of Pul-i-Khumri. Plant vigorous, 46 to 61 cm tall.
426211. *PISUM* sp. Fabaceae.
- K-1036. Market, Kunduz. Cultivated.
426212. *PISUM* sp.
- K-1066. Mazar-i-Sharif. Cultivated.
- 426213 to 426219. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.
426213. K-1019. Charikar. Cultivated.
426214. K-1024. Doshi. Cultivated.
426215. K-1034. Market, Kunduz, originally from Chardara, 3.2 km west.
426216. K-1035. Market, Kunduz, 10 km south of city. Cultivated.
426217. K-1058. Baghlan. Cultivated.
426218. K-1064. Samangan. Cultivated.
426219. K-1065. Mazar-i-Sharif. Cultivated.
426220. *TRIFOLIUM RESUPINATUM* L. Fabaceae. Persian clover.
- K-1080. Pul-i-Khumri. Cultivated.
426221. *VIGNA MUNGO* (L.) Hepper Fabaceae. Black gram.
- K-1012. Mir Baca Kot. Local name Mash. Cultivated.
- 426222 to 426228. *VIVGA RADIATA* (L.) Wilczek var. *RADIATA* Fabaceae. Mung bean.
426222. K-1004. Kabul, originally from Kunduz. Cultivated.
426223. K-1006. Kabul, originally from Parwan. Cultivated.
426224. K-1023. Khenjan. Cultivated.
426225. K-1040. Market, Kunduz. Cultivated.
426226. K-1041. Market, Kunduz. Cultivated.
426227. K-1042. Market, Kunduz, originally from Jalalabad. Cultivated.
426228. K-1070. Mazar-i-Sharif. Cultivated.
- 426229 to 426233. *VIGNA UNGUICULATA* (L.) Walp. subsp. *UNGUICULATA* Cowpea.
426229. K-1007. Kabul, originally from Herat.
426230. K-1008. Kabul, originally from Herat. Cultivated.
426231. K-1038. Bazaar, Kunduz. Cultivated.
426232. K-1039. Bazaar, Kunduz. Cultivated.
426233. K-1083.

426234 to 427087.

From Pakistan. Seed collected May-June 1976 by P. K. Knowles, Department of Agronomy and Range Science, University of California, Davis, California. Numbered April 28, 1978.

- 426234 to 426290. BRASSICA CAMPESTRIS L. Brassicaceae. Birdrape.**
- 426234.** K-17. Ders Ahmed village, 29 km southeast of Tando Allahyar. Local name Toria (Sathri). Sixty-day crop. Cultivated.
- 426235.** K-94. Seed store, Mirpur Sakro. Seed yellow. Local name Sarson. Cultivated.
- 426236.** K-366. Ahmedpur Sharkia. Local name Toria. Cultivated.
- 426237.** K-374. Ahmedpur Sharkia. Local name Toria. Cultivated.
- 426238.** K-384. Seed store, Bahawalpur. Local name Raya. Cultivated.
- 426239.** K-408. Seed store, Khanewal. Local name Raya, Cultivated.
- 426240.** K-458. Pattoki. Local name Raya. Cultivated.
- 426241.** K-459. Pattoki. Local name Toria. Cultivated.
- 426242.** K-460. Pattoki. Local name Toria. Cultivated.
- 426243.** K-571. Seed store, Fatehpur. Local name Raya. Cultivated.
- 426244.** K-586. Mianwali. Local name Sarson. Cultivated.
- 426245.** K-608. Samundri. Local name Toria.
- 426246.** K-652. Jaranwala. Local name Toria and Sarson. Cultivated.
- 426247.** K-660. Bucheke. Local name Toria. Cultivated.
- 426248.** K-662. More Khunda. Local name Toria. Cultivated.
- 426249.** K-674. Shargpur. Local name Sarson. Cultivated.
- 426250.** K-676. Shargpur. Local name Raya. Cultivated.
- 426251.** K-693. Shekhupura. Local name Toria. Cultivated.
- 426252.** K-694. Shekhupura. Local name Toria. Cultivated.
- 426253.** K-714. Duska. Local name Sarson. Cultivated.
- 426254.** K-743. Gujrat. Local name Sarson. Cultivated.
- 426255.** K-749. Gujrat. Local name Toria.
- 426256.** K-752. Gujrat. Local name Toria. Cultivated.
- 426257.** K-774. Gojar Khan. Local name Sarson. Cultivated.
- 426258.** K-788. Hasan Abdal. Local name Sarson. Cultivated.
- 426259.** K-794. Haripur. Local name Sarson. Cultivated.
- 426260.** K-803. Dodyal. Local name Sarson. Cultivated.
- 426261.** K-815. Chakwal. Local name Sarson. Cultivated.
- 426262.** K-833. Seed store, Fateh Jang. Local name Sarson. Cultivated.
- 426263.** K-843. Fifty-five km to Fateh Jang. Local name Sarson. Cultivated.
- 426264.** K-879. Rajar. Local name Sarson. Cultivated.
- 426265.** K-880. Rajar. Local name Sarson. Cultivated.
- 426266.** K-888. Takhat-i-Bhai. Local name Sarson. Cultivated.
- 426267.** K-890. Takhat-i-Bhai. Local name Sarson. Cultivated.
- 426268.** K-894. Sherghar. Local name Sarson. Cultivated.

426234 to 427087—Continued**426234 to 426290—Continued**

426269. K-896. Sakhakot. Local name Sarson. Cultivated.
 426270. K-900. Dargai. Local name Sarson. Cultivated.
 426271. K-903. Dargai. Local name Sarson. Cultivated.
 426272. K-905. Dargai. Local name Sarson. Cultivated.
 426273. K-909. Bat Khela. Local name Sarson. Cultivated.
 426274. K-910. Bat Khela. Local name Sarson. Cultivated.
 426275. K-915. Bat Khela. Local name Sarson. Cultivated.
 426276. K-919. Barikot. Local name Sarson. Cultivated.
 426277. K-921. Mingora. Local name Sarson. Cultivated.
 426278. K-927. Downward 4.8 km northwest of Miandam. Local name Sarson. Cultivated.
 426279. K-932. Madyan. Local name Sarson. Cultivated.
 426280. K-933. Madyan. Local name Sarson. Cultivated.
 426281. K-934. Khawaza Khela. Local name Sarson. Cultivated.
 426282. K-942. Mardan. Local name Sarson. Cultivated.
 426283. K-946. Mardan. Local name Sarson. Cultivated.
 426284. K-947. Bara. Local name Sarson. Cultivated.
 426285. K-949. Pabbi. Local name Sarson. Cultivated.
 426286. K-953. Akora Khattak. Local name Sarson. Cultivated.
 426287. K-955. Akora Khattak. Local name Sarson. Cultivated.
 426288. K-957. Akora Khattak. Local name Sarson. Cultivated.
 426289. K-963. Khairabad. Local name Sarson. Cultivated.
 426290. K-968. Campbellpore. Local name Sarson. Cultivated.

**426291 to 426408. BRASSICA JUNCEA (L.) Czern. & Coss. Brassicaceae.
 Mustard greens.**

426291. K-4. Seed store, Mirwah (19.3 km from Digri towards Mirpur Khas). Local name Sarson. Cultivated.
 426292. K-8. Seed store, Tando Allahyar. Local name Toria. Cultivated.
 426293. K-18. Seed store, Tando Ghulam Ali. Local name Toria. Cultivated.
 426294. K-26. Seed store, Digri. Local name Toria. Cultivated.
 426295. K-35. Seed store, Mirwah (19.3 km from Digri towards Mirpur Khas). Local name Sarson. Cultivated.
 426296. K-39. Seed store, Mirpur Khas. Local name Toria. Cultivated.
 426297. K-48. Seed store, Khipro. Local name Toria. Cultivated.
 426298. K-51. Seed store, Tando Muhammad Khan. Local name Toria. Cultivated.
 426299. K-53. Seed store, Matli. Local name Toria. Cultivated.
 426300. K-61. Seed store, Talhar. Local name Sarson. Cultivated.
 426301. K-66. Seed store, Badin. Local name Toria. Cultivated.
 426302. K-72. Seed store, Badin. Local name Toria. Cultivated.
 426303. K-76. Seed store, Gollarchi. Local name Toria. Cultivated.

426234 to 427087—Continued**426291 to 426408—Continued**

426304. K-84. Seed store, Sajawal. Local name Sarson. Cultivated.
426305. K-86. Seed store, Thatta. Local name Sarson. Cultivated.
426306. K-90. Seed store, Ghulamullah. Local name Sarson. Cultivated.
426307. K-95. Seed store, Mirpur Sakro. Seed brown. Local name Sarson. Cultivated.
426308. K-100. Seed store, Gharo. Local name Sarson. Cultivated.
426309. K-119. Gujjo, 85.3 km east of Karachi. Local name Sarson. Cultivated.
426310. K-126. Mirpur Batoro. Local name Sarson. Cultivated.
426311. K-144. Bulri Shah Karim. Local name Sarson. Cultivated.
426312. K-152. Tita-wah. Local name Sarson. Cultivated.
426313. K-159. Halla. Local name Sarson. Cultivated.
426314. K-166. Halla. Local name Sarson. Cultivated.
426315. K-175. Shahdadpur. Local name Sarson. Cultivated.
426316. K-180. Sanghar. Local name Sarson. Cultivated.
426317. K-185. Nawabshah. Local name Raya. Cultivated.
426318. K-195. Sakrand. Local name Sarson. Cultivated.
426319. K-197. Seed store, Dulatpur Safan. Local name Sarson. Cultivated.
426320. K-199. Dulatpur Safan. Local name Sarson. Cultivated.
426321. K-205. Moro. Local name Sarson. Cultivated.
426322. K-212. Naushahro Firoz. Local name Sarson. Cultivated.
426323. K-213. Naushahro Firoz. Local name Sarson. Cultivated.
426324. K-215. Kandero. Local name Sarson. Cultivated.
426325. K-224. Ranipur. Local name Sarson. Cultivated.
426326. K-236. Sukkur. Local name Sarson. Cultivated.
426327. K-238. Sukkur. Local name Sarson. Cultivated.
426328. K-241. Sukkur. Local name Sarson. Cultivated.
426329. K-247. Shikarpur. Local name Sarson. Cultivated.
426330. K-252. Shikarpur. Local name Sarson. Cultivated.
426331. K-263. Jacobabad. Local name Sarson. Cultivated.
426332. K-267. Jacobabad. Local name Sarson. Cultivated.
426333. K-272. Jacobabad. Local name Sarson. Cultivated.
426334. K-276. Jacobabad. Local name Sarson. Cultivated.
426335. K-283. Sibi. Local name Sarson. Cultivated.
426336. K-287. Seed store, Ghari yaseen. Local name Sarson. Cultivated.
426337. K-295. Ratodero. Local name Sarson. Cultivated.
426338. K-301. Seed store, Ratodero. Local name Sarson. Cultivated.
426339. K-306. Larkana. Local name Sarson. Cultivated.
426340. K-310. Larkana. Local name Sarson. Cultivated.
426341. K-314. Larkana. Local name Sarson. Cultivated.

426234 to 427087—Continued**426291 to 426408—Continued**

- 426342. K-318. Pano Agil. Local name Sarson. Cultivated.
- 426343. K-328. Ghotki. Local name Sarson. Cultivated.
- 426344. K-331. Ghotki. Local name Sarson. Cultivated.
- 426345. K-334. Mirpur Mathelo. Local name Sarson. Cultivated.
- 426346. K-336. Seed store, Ubario. Local name Sarson. Cultivated.
- 426347. K-342. Sadiqabad. Local name Sarson. Cultivated.
- 426348. K-344. Sadiqabad. Local name Sarson. Cultivated.
- 426349. K-347. Seed store, Rahimyar Khan. Local name Sarson. Cultivated.
- 426350. K-348. Rahimyar Khan. Local name Raya. Cultivated.
- 426351. K-350. Rahimyar Khan. Local name Raya. Cultivated.
- 426352. K-351. Rahimyar Khan. Local name Raya. Cultivated.
- 426353. K-352. Rahimyar Khan. Local name Raya. Cultivated.
- 426354. K-362. Ahmedpur Sharkia.
- 426355. K-369. Ahmedpur Sharkia. Local name Raya. Cultivated.
- 426356. K-370. Ahmedpur East. Local name Raya. Cultivated.
- 426357. K-371. Ahmedpur Sharkia. Local name Raya. Cultivated.
- 426358. K-383. Seed store, Bahawalpur. Local name Raya. Cultivated.
- 426359. K-385. Seed store, Bahawalpur. Local name Raya. Cultivated.
- 426360. K-389. Grain market, Bahawalpur. Local name Raya. Cultivated.
- 426361. K-413. Seed store, Khanewal. Local name Raya. Cultivated.
- 426362. K-426. Mian Channun. Local name Raya. Cultivated.
- 426363. K-432. Chicha watni. Local name Sarson. Cultivated.
- 426364. K-488. Arifwala. Local name Raya. Cultivated.
- 426365. K-490. Arifwala. Local name Sarson. Cultivated.
- 426366. K-499. Sahiwal. Local name Sarson. Cultivated.
- 426367. K-503. Toba Take Singh. Local name Raya. Cultivated.
- 426368. K-511. Toba Take Singh. Local name Sarson. Cultivated.
- 426369. K-514. Multan. Local name Sarson. Cultivated.
- 426370. K-519. Multan. Local name Sathri. Sixty day crop. Cultivated.
- 426371. K-527. Muzaffargarh. Local name Raya. Cultivated.
- 426372. K-529. Kot Addu. Local name Sarson. Cultivated.
- 426373. K-532. Kot Addu. Local name Sarson. Cultivated.
- 426374. K-546. Dera Ghazi Khan. Local name Raya. Cultivated.
- 426375. K-563. Chowk Azam. Local name Raya. Cultivated.
- 426376. K-569. Seed store, Fatehpur. Local name Raya. Cultivated.
- 426377. K-570. Seed store, Fatehpur. Local name Sarson. Cultivated.
- 426378. K-590. Mianwali. Local name Raya. Cultivated.
- 426379. K-496. Sargodha. Local name Sarson and Toria. Cultivated.
- 426380. K-600. Sargodha. Local name Raya. Cultivated.
- 426381. K-627. Gojra. Local name Raya. Cultivated.

426234 to 427087—Continued

426291 to 426408—Continued

426382. K-645. Jaranwala. Local name Toria. Cultivated.
 426383. K-655. Jaranwala. Local name Toria. Mixture. Cultivated.
 426384. K-656. Jaranwala. Local name Raya. Cultivated.
 426385. K-657. Jaranwala. Mixture. Cultivated.
 426386. K-658. Jaranwala. Local name Raya. Cultivated.
 426387. K-659. Bucheke. Local name Sarson. Cultivated.
 426388. K-666. More Khunda. Local name Sarson. Cultivated.
 426389. K-673. Shargpur. Local name Toria. Cultivated.
 426390. K-691. Shekhupura. Local name Raya. Cultivated.
 426391. K-697. Shekhupura. Local name Sarson.
 426392. K-698. Shekhupura. Local name Sarson. Cultivated.
 426393. K-739. Wazirabad. Local name Toria. Cultivated.
 426394. K-759. Lala Musa. Local name Sarson. Cultivated.
 426395. K-764. Jhelum. Local name Sarson. Cultivated.
 426396. K-765. Jhelum. Local name Sarson. Cultivated.
 426397. K-824. Talagang. Local name Sarson. Cultivated.
 426398. K-829. Talagang. Local name Toria. Cultivated.
 426399. K-859. Kohat. Local name Sarson. Cultivated.
 426400. K-868. Peshawar. Local name Sarson. Cultivated.
 426401. K-871. Charsadda. Local name Sarson. Cultivated.
 426402. K-872. Charsadda. Local name Sarson. Cultivated.
 426403. K-883. Takhat-i-Bhai. Local name Sarson. Cultivated.
 426404. K-884. Takhat-i-Bhai. Local name Sarson. Cultivated.
 426405. K-889. Takhat-i-Bhai. Local name Sarson. Cultivated.
 426406. K-893. Sherghar. Local name Sarson. Cultivated.
 426407. K-940. Mardan. Local name Sarson. Cultivated.
 426408. K-973. Campbellpore. Local name Sarson. Cultivated.
 426409 and 426410. *BRASSICA NIGRA* (L.) Koch **Black mustard.**
 426409. K-242. Sukkur. Local name Rai. Cultivated.
 426410. K-281. Sibi. Local name Rai. Cultivated.
 426411 to 426419. *BRASSICA TOURNEFORTII* Gouan
 426411. K-243. Sukkur. Seed yellow. Local name Sarson. Cultivated.
 426412. K-386. Bahawalpur. Local name Raya. Cultivated.
 426413. K-550. Leiah. Seed yellow. Local name Sarson. Cultivated.
 426414. K-560. Chowk Azam. Local name Sarson. Cultivated.
 426415. K-565. Seed store, Fatehpur. Local name Raya. Cultivated.
 426416. K-622. Sammundri. Local name Rai. Cultivated.
 426417. K-634. Gojra. Local name Rai. Cultivated.
 426418. K-842A. Fifty-five km west of Fateh Hang. Local name Toria.
 Cultivated.
 426419. K-853. Jand. Local name Sarson. Cultivated.

426234 to 427087—Continued

- 426420 to 426423. *BRASSICA TRILOCULARIS* Hook. f. & Thoms.
 426420. K-41. Seed store, Mirpur Khas. Seed yellow. Local name Sarson. Cultivated.
 426421. K-110. Seed store, Uthal. Seed yellow. Local name Sarson. Cultivated.
 426422. K-773. Gojar Khan. Local name Sarson. Cultivated.
 426423. K-804. Dodyal. Local name Sarson. Cultivated.
426424. *CAJANUS CAJAN* (L.) Huth Fabaceae. Pigeon pea.
 K-864. Peshawar. Local name Arhar. Cultivated.
- 426425 and 426426. *CARTHAMUS LANATUS* subsp. *TURKESTANICUS* (M. Pop.) Hanelt Asteraceae.
 426425. K-892. Four and eight-tenths km north of Takhat-i-bhai. Local name Pohli. Wild.
 426426. K-908. Swat Valley, 3.2 km northeast of Malakand. Local name Pohli. Wild.
- 426427 to 426520. *CARTHAMUS OXYCANTHUS* Bieb.
 426427. K-1. Tando Jam Agricultural Research Institute's wheat plots after harvest. Seed gray. Local name Pohli. Wild.
 426428. K-2. East 6.4 km of Tando Jam. Widely scattered plants. Seed grey. Local name Pohli. Wild.
 426429. K-3. South 1.6 km of Tando Jam Agricultural Research Institute. Seed grey. Local name Pohli. Wild.
 426430. K-172. Northwest corner of field by small North-South Canal, 4.8 km east of Halla on Shahdadpur (9 mile) milestone. Local name Pohli. Wild.
 426431. K-360. Ahmedpur Sharkia. Local name Pohli. Wild.
 426432. K-361. Fourteen km from Ahmedpur Sharkia going to Bahawalpur. Local name Pohli. Wild.
 426433. K-380. Thirty-eight km from Bahawalpur. Local name Pohli. Wild.
 426434. K-381. Twenty-seven km from Bahawalpur. Local name Pohli. Wild.
 426435. K-382. Twenty-seven km southwest of Bahawalpur to Rahimyar Khan. Local name Pohli. Wild.
 426436. K-395. Lohdran. Local name Pohli. Wild.
 426437. K-396A. Bastimaluk, 43.4 km from Bahawalpur towards Multan. Local name Pohli. Wild.
 426438. K-396. Jhitwala, 27.3 km from Multan to Shujabad. Local name Pohli. Wild.
 426439. K-397. Jhitwala. Resistant to *Alternaria*. Local name Pohli. Wild.
 426440. K-398. Jhitwala. Local name Pohli. Wild.
 426441. K-399. Shujabad. Local name Pohli. Wild.
 426442. K-400. Shujabad. Local name Pohli. Wild.
 426443. K-401. Shujabad. Local name Pohli. Wild.

426234 to 427087—Continued**426427 to 426520—Continued**

426444. K-402. Shujabad. Local name Pohli. Wild.
426445. K-403. Shujabad. Local name Pohli. Wild.
426446. K-404. Khanewal. Local name Pohli. Wild.
426447. K-414. Mian Channun. Local name Pohli. Wild.
426448. K-452. Nala Khurd. Local name Pohli. Wild.
426449. K-453. Nala Khurd. Local name Pohli. Wild.
426450. K-454. Nala Khurd. Local name Pohli. Wild.
426451. K-455. Nala Khurd. Local name Pohli. Wild.
426452. K-468. Pheing. Local name Pohli. Wild.
426453. K-470. Hujra Shah Muqeem. Local name Pohli. Wild.
426454. K-471. Hujra Shah Muqeem. Local name Pohli. Wild.
426455. K-482. Nine km from Arifwala. Local name Pohli. Wild.
426456. K-492. Arifwala. Local name Pohli. Wild.
426457. K-493. Arifwala. Local name Pohli. Wild.
426458. K-500. Kamalia. Local name Pohli. Wild.
426459. K-501. Rajana. Local name Pohli. Wild.
426460. K-502. Athara Hazari. Local name Pohli. Wild.
426461. K-512. Fourteen km to Ahmedpur Sial (northeast). Local name Pohli. Wild.
426462. K-548. Thirteen km south of Leiah. Local name Pohli. Wild.
426463. K-558. Leiah. Local name Pohli. Wild.
426464. K-573. Sara-a-Krishna. Local name Pohli. Wild.
426465. K-581. Chandi Chowk. Local name Pohli. Wild.
426466. K-582. Mianwali. Local name Pohli. Wild.
426467. K-604. Sargodha. Local name Pohli. Wild.
426468. K-604A. Sargodha. Local name Pohli. Wild.
426469. K-604B. Sargodha. Local name Pohli. Wild.
426470. K-605. Lyallpur Airport. Local name Pohli. Wild.
426471. K-605A. Chiniot. Local name Pohli. Wild.
426472. K-605B. Chiniot. Local name Pohli. Wild.
426473. K-606. Eight km northeast of Samundri. Local name Pohli. Wild.
426474. K-624. Twenty-two and five-tenths km north of Samundri. Local name Pohli. Wild.
426475. K-625. Twenty-four km north of Samundri. Local name Pohli. Resistant to *Alternaria*. Wild.
426476. K-640. Twenty-four km west of Lyallpur on Jhand Road. Local name Pohli. Wild.
426477. K-641. Seventeen and seven-tenths km from Lyallpur on Jaranwala Road. Local name Pohli. Wild.
426478. K-701. Three and two-tenths km north of Shekhupura. Local name Pohli. Wild.

426234 to 427087—Continued**426427 to 426520—Continued**

426479. K-702. Six and four-tenths km northeast of Shekhupura. Local name Pohli. Wild.
426480. K-703. Twenty-one km southwest of Gujranwala. Local name Pohli. Wild.
426481. K-704. Six and four-tenths km northeast of Gujranwala. Local name Pohli. Wild.
426482. K-705. Duska. Local name Pohli. Wild.
426483. K-727. Four and eight-tenths km from Sialkot to Pasrur. Local name Pohli. Wild.
426484. K-728. Three and two-tenths km to Pasrur. Local name Pohli. Wild.
426485. K-734. Twelve and six-tenths south of Gujranwala. Local name Pohli. Wild.
426486. K-736. Eleven and two-tenths north of Gujranwala. Local name Pohli. Wild.
426487. K-737. Forty-one km north of Gujranwala. Local name Pohli. Cultivated.
426488. K-753. Gujrat. Local name Pohli. Wild.
426489. K-763. Forty-six and seven-tenths km southeast of Jhelum. Local name Pohli. Wild.
426490. K-771. Eight km northwest of Jhelum. Local name Pohli. Cultivated.
426491. K-772. Four and eight-tenths km northwest of Dina. Local name Pohli. Wild.
426492. K-784. Four and eight-tenths km northwest of Gojar Khan. Local name Pohli. Wild.
426493. K-785. Three and two-tenths km northwest of Mandra. Local name Pohli. Wild.
426494. K-786. Taxila. Local name Pohli. Wild.
426495. K-787. Hasan Abdal. Local name Pohli. Wild.
426496. K-796. Haripur. Local name Pohli. Wild.
426497. K-800. Fifty km north of Chakwal. Local name Pohli. Wild.
426498. K-802. Forty-five km north of Chakwal. Local name Pohli. Wild.
426499. K-810. Seventeen and seven-tenths km north of Chakwal. Local name Pohli. Wild.
426500. K-821. Four and eight-tenths km west of Chakwal on Chakwal-Talagang Road. Local name Pohli. Wild.
426501. K-822. Four and eight-tenths km west of Chakwal on Chakwal-Talagang Road. Local name Pohli. Wild.
426502. K-823. Twenty-two and five-tenths km east of Talagang on Chakwal-Talagang Road. Local name Pohli. Wild.
426503. K-830. Ninety-three and three-tenths km northeast of Talagang on Talagang-Rawalpindi Road. Local name Pohli. Wild.

426234 to 427087—Continued

426427 to 426520—Continued

426504. K-832. Ninety-three and three-tenths km northeast of Talagang on Talagang-Rawalpindi Road. Local name Pohli. Wild.
426505. K-839. Agricultural Research Center, Islamabad. Local name Pohli. Wild.
426506. K-840. Thirty and six-tenths km west of Fateh Jang. Local name Pohli. Wild.
426507. K-841. Fifty-four and seven-tenths km west of Fateh Jang. Local name Pohli. Wild.
426508. K-857. Ten and four-tenths km east of Kohat, forty km west of Indus River. Local name Pohli. Wild.
426509. K-882. Nine and six-tenths km west of Takht-i-bhai. Local name Pohli. Wild.
426510. K-891. Four and eight-tenths km north of Takht-i-bhai. Local name Pohli. Wild.
426511. K-907. Swat Valley, three and two-tenths northeast of Malakand. Local name Pohli. Wild.
426512. K-938. Alam Jung, 21 km northeast of Mingora. Local name Kareza (gives pain). Wild.
426513. K-939. Alam Jung, 21 km northeast of Mingora. Local name Karkanda (thorns). Wild.
426514. K-959. Sixteen km east of Nowshera. Local name Pohli. Wild.
426515. K-960. Sixteen km east of Nowshera. Local name Pohli. Wild.
426516. K-965. Nine and six-tenths km east of Attock Bridge on Grand Truck Road. Local name Pohli. Wild.
426517. K-974. Four and eight-tenths km northwest of Hasan Abdal. Local name Pohli. Wild.
426518. K-975. Four and eight-tenths km northwest of Hasan Abdal. Local name Pohli. Wild.
426519. K-976. Four and eight-tenths km northwest of Hasan Abdal. Local name Pohli. Wild.
426520. K-977. No locality data. Local name Pohli. Wild.
- 426521 to 426525. *CARTHAMUS TINCTORIUS* L. Safflower.
426521. K-193. Nawabshah. Local name Powanri or Kasumba. Cultivated.
426522. K-239. Sukkur. Local name Panwari. Cultivated.
426523. K-245. Sukkur. Local name Panwari. Cultivated.
426524. K-248. Shikarpur. Local name Pawanri. Cultivated.
426525. K-623. Samundri. Local name Kusumba. Cultivated.
- 426526 to 426624. *CICER ARIETINUM* L. Fabaceae. Chickpea.
426526. K-58. Feed store, Talhar. Seed small. Local name Chana. Cultivated.
426527. K-59. Seed store, Talhar. Seed medium. Local name Chana. Cultivated.
426528. K-67. Seed store, Badin. Local name Chana. Cultivated.

426234 to 427087—Continued

426526 to 426624—Continued

426529. K-68. Seed store, Badin. Local name Chana. Cultivated.
426530. K-69. Seed store, Badin. Local name Chana. Cultivated.
426531. K-79. Seed store, Gollarchi. Local name Chana. Cultivated.
426532. K-97. Seed store, Mirpur Sakro. Seed mixed, yellow and brown.
Local name Gram (Chullay). Cultivated.
426533. K-143. Mirpur Batoro. Local name Gram (Chulley). Cultivated.
426534. K-167. Halla. Local name Chana. Cultivated.
426535. K-187. Nawabshah. Local name Chana. Cultivated.
426536. K-202. Moro. Local name Chana. Cultivated.
426537. K-209. Naushahro Firoz. Local name Gram Chana. Cultivated.
426538. K-244. Sukkur. Local name Chana or Chulley. Cultivated.
426539. K-246. Seed store, Shikarpur. Local name Chulley. Cultivated.
426540. K-251. Shikarpur. Local name Chulley. Cultivated.
426541. K-255. Shikarpur. Seed dark. Local name Chana. Cultivated.
426542. K-261. Jacobabad. Local name Chana. Cultivated.
426543. K-277. Jacobabad. Local name Chana. Cultivated.
426544. K-286. Seed store, Gari yaseen. Local name Chulley. Cultivated.
426545. K-297. Seed store, Ratodero. Local name Chana. Cultivated.
426546. K-308. Larkana. Local name Chana. Cultivated.
426547. K-313. Larkana. Local name Chana. Cultivated.
426548. K-316. Seed store, Pano Agil. Local name Chana (Chulley).
Cultivated.
426549. K-332. Seed store, Mirpur Mathelo. Local name (Chulley).
Cultivated.
426550. K-337. Ubario. Local name Chana. Cultivated.
426551. K-338. Ubario. Local name Chana.
426552. K-343. Sadiqabad. Local name Chana. Cultivated.
426553. K-357. Rahimyar Khan. Local name Chulley. Cultivated.
426554. K-359. Rahimyar Khan. Local name Chulley. Cultivated.
426555. K-364. Ahmedpur Sharkia. Local name Chulley. Cultivated.
426556. K-367. Ahmedpur Sharkia. Local name Chulley. Cultivated.
426557. K-368. Ahmedpur East. Local name Chulley. Cultivated.
426558. K-373. Ahmedpur Sharkia. Local name Chulley. Cultivated.
426559. K-375. Ahmedpur Sharkia. Local name Chulley. Cultivated.
426560. K-407. Seed store, Khanewal. Local name Chulley. Cultivated.
426561. K-449. Okara. Local name Chulley. Cultivated.
426562. K-456. Seed store, Pattoki. Local name Chulley. Cultivated.
426563. K-474. Pakpatan Sharif. Local name Chulley. Cultivated.
426564. K-484. Seed store, Arifwala. Local name Chulley. Cultivated.
426565. K-494. Seed store, Sahiwal. Local name Chulley. Cultivated.

426234 to 427087—Continued**426526 to 426624—Continued**

426566. K-495. Seed store, Sahiwal. Local name Chulley. Cultivated in Dera Ghazi Khan.
426567. K-505. Toba Take Singh. Local name Chulley. Cultivated.
426568. K-508. Toba Take Singh. Local name Chulley. Cultivated.
426569. K-516. Multan. Local name Chulley. Cultivated.
426570. K-517. Muzaffargarh. Local name Chulley. Cultivated.
426571. K-518. Muzaffargarh. Local name Chulley. Cultivated.
426572. K-528. Kot Addu. Local name Chulley. Cultivated.
426573. K-533. Kot Addu. Local name Chulley. Cultivated.
426574. K-535. Kot Addu. Local name Chulley. Cultivated.
426575. K-541. Dera Ghazi Kahn. Local name Chulley. Cultivated.
426576. K-552. Leiah. Local name Chulley. Cultivated.
426577. K-561. Chowk Azam. Local name Chulley. Cultivated.
426578. K-566. Seed store, Fatehpur. Local name Chulley. Cultivated.
426579. K-567. Fatehpur. Local name Chulley. Cultivated.
426580. K-576. Bhakkar. Local name Chulley. Cultivated.
426581. K-580. Bhakkar. Local name Chulley. Cultivated.
426582. K-598. Sargodha. Local name Chulley. Cultivated.
426583. K-599. Sargodha. Local name Chulley. Cultivated.
426584. K-607. Samundri. Local name Chulley. Cultivated.
426585. K-613. Samundri. Local name Chulley. Cultivated.
426586. K-615. Samundri. Local name Chulley. Cultivated.
426587. K-616. Samundri. Local name Chulley. Cultivated.
426588. K-617. Samundri. Local name Chulley. Cultivated.
426589. K-629. Gojra. Local name Chulley. Cultivated.
426590. K-637. Gojra. Yellow. Seed very large. Local name Chulley. Cultivated.
426591. K-638. Gojra. Local name Chulley. Cultivated.
426592. K-643. Jaranwala. Seed dark brown. Local name Chulley. Cultivated.
426593. K-646. Jaranwala. Seed medium brown. Local name Chulley. Cultivated.
426594. K-665A. More Khunda. Local name Chulley. Cultivated.
426595. K-677. Shargpur. Local name Chulley. Cultivated.
426596. K-679. Shargpur. Local name Chulley. Cultivated.
426597. K-685. Shekhupura. Local name Chulley. Cultivated.
426598. K-687. Shekhupura. Local name Chulley. Cultivated.
426599. K-708. Duska. Local name Chulley. Cultivated.
426600. K-709. Duska. Local name Chulley. Cultivated.
426601. K-732. Pasrur. Local name Chulley. Cultivated.
426602. K-750. Gujrat. Local name Chulley. Cultivated.

426234 to 427087—Continued

426526 to 426624—Continued

426603. K-751. Gujrat. Local name Chulley. Cultivated.
426604. K-754. Lala Musa. Local name Chulley. Cultivated.
426605. K-755. Lala Musa. Local name Chulley. Cultivated.
426606. K-758. Lala Musa. Local name Chulley. Cultivated.
426607. K-769. Jhelum. Local name Chulley. Cultivated.
426608. K-795. Haripur. Local name Chulley. Cultivated.
426609. K-808. Dodyal. Local name Chulley. Cultivated.
426610. K-814. Chakwal. Local name Chulley. Cultivated.
426611. K-826. Talagang. Local name Chulley. Cultivated.
426612. K-828. Talagang. Local name Chulley. Cultivated.
426613. K-835. Fateh Jang. Local name Chulley. Cultivated.
426614. K-845. Fifty-four and seven-tenths km west of Fateh Jang. Local name Chulley. Cultivated.
426615. K-846. Fifty-four and seven-tenths km west of Katch Jang. Local name Chulley. Cultivated.
426616. K-850. Jand. Local name Chulley. Cultivated.
426617. K-863. Kohat. Local name Chulley. Cultivated.
426618. K-901. Dargai. Local name Chulley. Cultivated.
426619. K-902. Dargai. Local name Chulley. Cultivated.
426620. K-951. Akora Khattak. Local name Chulley. Cultivated.
426621. K-952. Akora Khattak. Local name Chulley. Cultivated.
426622. K-961. Khairabad. Local name Chulley. Cultivated.
426623. K-962. Khairabad. Local name Chulley. Cultivated.
426624. K-966. Campbellpore. Local name Chulley. Cultivated.
426625. CITRULLUS LANATUS (Thunb.) Matsum. & Nakai Cucurbitaceae. **Watermelon.**
- K-31. Seed store, Diri. Cultivated.
426626. CROTALARIA JUNCEA L. Fabaceae. **Sunn hemp.**
- K-98. Seed store, Mirpur Sakro. Local name Sanni. Cultivated.
- 426627 and 426628. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**
426627. K-32. Seed store, Digri. Cultivated.
426628. K-37. Seed store, Mirpur Khas. Local name Kharboza. Cultivated.
426629. CUCUMIS SATIVUS L. Cucurbitaceae. **Cucumber.**
- K-28. Seed store, Digri. Local name Ter. Cultivated.
- 426630 to 426644. CYAMOPSIS TETRAGONOLOBA (L.) Taub. Fabaceae. **Guar.**
426630. K-11. Seed store, Tando Allahyar. Cultivated at Tharparkar.
426631. K-14. Seed store, Chambar. Cultivated.
426632. K-23. Seed store, Tando Ghulam Ali. Cultivated.
426633. K-46. Seed store, Khipro. Cultivated.
426634. K-107. Seed store, Hub Chowki. Cultivated.
426635. K-149. Bulri Shah Karim. Cultivated.

426234 to 427087—Continued**426630 to 426644—Continued**

- 426636. K-168. Halla. Cultivated.
- 426637. K-372. Ahmedpur Sharkia. Local name Masur. Cultivated.
- 426638. K-531. Kot Addu. Cultivated.
- 426639. K-553. Leiah. Cultivated.
- 426640. K-554. Leiah. Cultivated.
- 426641. K-809. Dodyal. Cultivated.
- 426642. K-813. Chakwal. Cultivated.
- 426643. K-827. Talagang. Cultivated.
- 426644. K-856. Jand. Cultivated.

426645 to 426753. ERUCA VESICARIA (L.) Cav. subsp. SATIVA (Mill.) Thell.
 Brassicaceae. **Rocket-salad.**

- 426645. K-6. Seed store, Tando Allahyar. Local name Jambo. Cultivated.
- 426646. K-13. Seed store, Chamber. Local name Jambo. Cultivated.
- 426647. K-19. Seed store, Tando Ghulam Ali. Local name Jambo. Cultivated.
- 426648. K-34. Seed store, Mirwah. Local name Jambo. Cultivated.
- 426649. K-38. Seed store, Mirpur Khas. Local name Jambo. Cultivated.
- 426650. K-44. Seed store, Khipro. Local name Jambo. Cultivated.
- 426651. K-52. Seed store, Tando Mohammad Khan. Local name Jambo. Cultivated.
- 426652. K-55. Seed store, Matli. Local name Jambo. Cultivated.
- 426653. K-62. Seed store, Talhar. Local name Jambo. Cultivated.
- 426654. K-71. Seed store, Badin. Local name Jambo.
- 426655. K-75. Seed store, Gollarchi. Local name Jambo. Cultivated.
- 426656. K-77. Seed store, Gollarchi. Local name Jambo. Cultivated.
- 426657. K-83. Seed store, Sajawal. Local name Jambo. Cultivated.
- 426658. K-85. Seed store, Thatta. Local name Jambo. Cultivated.
- 426659. K-93. Seed store, Mirpur Sakro. Local name Jambo. Cultivated.
- 426660. K-101. Seed store, Gharo. Local name Jambo. Cultivated.
- 426661. K-125. Mirpur Batoro. Local name Jambo. Cultivated.
- 426662. K-133. Mirpur Batoro. Local name Jambo. Cultivated.
- 426663. K-145. Bulri Shah Karim. Local name Jambo. Cultivated.
- 426664. K-151. Tita-wah. Local name Jambo. Cultivated.
- 426665. K-155. Mitairi. 24 km north of Hyderabad. Local name Jambo. Cultivated.
- 426666. K-157. Mitairi. Local name Jambo. Cultivated.
- 426667. K-160. Halla. Local name Jambo. Cultivated.
- 426668. K-169. Halla. Local name Jambo. Cultivated.
- 426669. K-174. Shahdadpur. Local name Jambo. Cultivated.
- 426670. K-178. Sanghar. Local name Jambo. Cultivated.

426234 to 427087—Continued**426645 to 426753—Continued**

- 426671. K-184. Khadro. Local name Jambo. Cultivated.
- 426672. K-186. Nawabshah. Local name Jambo. Cultivated.
- 426673. K-190. Nawabshah. Local name Jambo. Cultivated.
- 426674. K-194. Sakrand. Local name Jambo. Cultivated.
- 426675. K-198. Dulatpur Safu. Local name Jambo. Cultivated.
- 426676. K-204. Moro. Local name Jambo. Cultivated.
- 426677. K-208. Moro. Local name Jambo. Cultivated.
- 426678. K-216. Kandro. Local name Jambo. Cultivated.
- 426679. K-225. Ranipur. Local name Jambo. Cultivated.
- 426680. K-237. Sukkur. Local name Taramira or Jambo. Cultivated.
- 426681. K-262. Jacobabad. Local name Jambo.
- 426682. K-266. Jacobabad. Local name Jambo. Cultivated.
- 426683. K-268. Jacobabad. Local name Jambo. Cultivated.
- 426684. K-269. Jacobabad. Local name Jambo. Cultivated.
- 426685. K-271. Jacobabad. Local name Jambo. Cultivated.
- 426686. K-273. Jacobabad. Local name Jambo. Cultivated.
- 426687. K-278. Sibi. Local name Jambo. Cultivated.
- 426688. K-289. Ghari Yaseen. Local name Jambo. Cultivated.
- 426689. K-300. Seed store, Ratodero. Local name Jambo. Cultivated.
- 426690. K-312. Larkana. Local name Jambo. Cultivated.
- 426691. K-327. Seed store, Ghotki. Local name Jambo. Cultivated.
- 426692. K-339. Ubario. Local name Jambo. Cultivated.
- 426693. K-345. Sadiqabad. Local name Taramira. Cultivated.
- 426694. K-346. Seed store, Rahimyar Khan. Local name Taramira. Cultivated.
- 426695. K-349. Rahimyar Khan. Local name Taramira. Cultivated.
- 426696. K-365. Ahmedpur Sharkia. Local names Kussu, Taramira, and Jambo. Cultivated.
- 426697. K-376. Ahmedpur Sharkia. Local name Kussu. Cultivated.
- 426698. K-391. Bahawalpur. Local name Kussu. Cultivated.
- 426699. K-393. Bahawalpur. Local name Kussu. Cultivated.
- 426700. K-419. Mian Channun. Local name Kussu. Cultivated.
- 426701. K-427. Mian Channun. Local name Kussu. Cultivated.
- 426702. K-469. Seed store, Arifwala. Local name Kussu. Cultivated.
- 426703. K-473. Seed store, Pakpatan Sharif. Local name Kussu. Cultivated.
- 426704. K-489. Arifwala. Local name Kussu. Cultivated.
- 426705. K-496. Sahiwal. Local name Kussu. Cultivated.
- 426706. K-513. Multan. Local name Kussu. Cultivated.
- 426707. K-515. Multan. Local name Kussu. Cultivated.
- 426708. K-526. Muzaffargarh. Local name Kussu. Cultivated.

426234 to 427087—Continued**426645 to 426753—Continued**

426709. K-534. Kot Addu. Local name Taramira. Cultivated.
426710. K-547. Dera Ghazi Kahn. Local name Taramira. Cultivated.
426711. K-568. Fatehpur. Local name Kussu. Cultivated.
426712. K-579. Bhakkar. Local name Kussu. Cultivated.
426713. K-589. Mianwali. Local name Taramira. Cultivated.
426714. K-592. Sargodha. Local name Kussu. Cultivated.
426715. K-601. Sargodha. Local name Kussu. Cultivated.
426716. K-621. Samundri. Local name Kussu. Cultivated.
426717. K-630. Gojra. Local name Taramira. Cultivated.
426718. K-636. Gojra. Local name Taramira. Cultivated.
426719. K-647. Jaranwala. Local name Taramira. Cultivated.
426720. K-649. Jaranwala. Local name Taramira. Cultivated.
426721. K-650. Jaranwala. Local name Taramira. Cultivated.
426722. K-664. More Khunda. Local name Taramira. Cultivated.
426723. K-672. Shargpur. Local name Taramira. Cultivated.
426724. K-686. Shekhupura.
426725. K-706. Duska. Local name Taramira. Cultivated.
426726. K-715. Duska. Local name Taramira. Cultivated.
426727. K-735. Gugranwala. Local name Taramira. Cultivated.
426728. K-740. Gujrat. Local name Taramira. Cultivated.
426729. K-756. Lala Musa. Local name Taramira. Cultivated.
426730. K-761. Lala Musa. Local name Taramira. Cultivated.
426731. K-768. Jhelum. Local name Taramira. Cultivated.
426732. K-775. Gojar Khan. Local name Taramira. Cultivated.
426733. K-789. Haripur. Local name Taramira. Cultivated.
426734. K-805. Dodyal. Local name Taramira. Cultivated.
426735. K-811. Chakwal. Local name Taramira. Cultivated.
426736. K-817. Chakwal. Local name Taramira. Cultivated.
426737. K-825. Talagang. Local name Taramira. Cultivated.
426738. K-834. Fateh Jang. Local name Taramira. Cultivated.
426739. K-842. Fifty-four and seven-tenths km west of Fateh Jang.
Local name Taramira. Cultivated.
426740. K-844. Fifty-four and seven-tenths km west of Fateh Jang.
Local name Taramira. Cultivated.
426741. K-848. Jand. Local name Taramira. Cultivated.
426742. K-855. Jand. Local name Taramira. Cultivated.
426743. K-858. Ten km east of Kohat, 40.2 west of Indus River. Local
name Taramira. Cultivated.
426744. K-867. Peshawar. Local name Taramira. Cultivated.
426745. K-899. Dargai. Local name Taramira. Cultivated.
426746. K-911. Bat Khela. Local name Sarson. Cultivated.

426234 to 427087—Continued**426645 to 426753—Continued**

426747. K-913. Bat Khela. Local name Shaftal. Cultivated.
426748. K-943. Mardan. Local name Taramira. Cultivated.
426749. K-954. Akora Khattak. Local name Taramira. Cultivated.
426750. K-956. Akora Khattak. Local name Taramira. Cultivated.
426751. K-958. Akora Khattak. Local name Taramira. Cultivated.
426752. K-967. Campbellpore. Local name Taramira. Cultivated.
426753. K-972. Campbellpore. Local name Taramira. Cultivated.
426754. *GLYCINE MAX* (L.) Merr. Fabaceae. **Soybean.**
PK-1103. Arbor Acres Feed Store. Panodheri, Manshera, Hazara District, Northwest Frontier Province. Local name Mothi. Cultivated.
426755. *HELIANTHUS ANNUUS* L. Asteraceae. **Sunflower.**
PK-1104. Quetta. Ornamental type. Cultivated.
- 426756 to 426758. *HORDEUM VULGARE* L. Poaceae. **Barley.**
426756. K-64. Seed store, Talhar. Local name Jao. Cultivated.
426757. K-89. Seed store, Ghulamullah. Local name Jao. Cultivated.
426758. K-665B. More Khunda. Local name Jao. Cultivated.
- 426759 to 426764. *LATHYRUS SATIVUS* L. Fabaceae. **Grass peavine.**
426759. K-12. Seed store, Chamber, 22.5 km southeast of Tando Allahyar. Local name Matri. Cultivated.
426760. K-20. Tando Ghulam Ali. Local name Matri. Cultivated.
426761. K-42. Khipro, 54.7 km northeast of Mirpur Khas. Local name Matri. Cultivated.
426762. K-56. Seed store, Matli. Local name Matri. Cultivated.
426763. K-183. Sanghar. Local name Matri. Cultivated.
426764. K-668. More Khunda. Local name Matri. Cultivated.
- 426765 to 426809. *LENS CULINARIS* Medik. Fabaceae. **Lentil.**
426765. K-21. Seed store, Tando Ghulam Ali. Local name Masor. Cultivated.
426766. K-29. Digri. Local name Masor. Cultivated.
426767. K-47. Seed store, Khipro. Local name Masor. Cultivated.
426768. K-80. Seed store, Gollarchi. Local name Masor. Cultivated.
426769. K-122. Gujjo, 85.3 km east of Karachi. Local name Masor. Cultivated.
426770. K-131. Mirpur Batoro. Local name Masor. Cultivated.
426771. K-137. Mirpur Batoro. Local name Masur. Cultivated.
426772. K-150. Bulri Shah Karim. Local name Masur. Cultivated.
426773. K-153. Titawah. Local name Masur. Cultivated.
426774. K-200A. Dulatpur Safu.
426775. K-221. Kandro. Local name Masor. Cultivated.
426776. K-293A. Ghari yaseen. Cultivated.
426777. K-377. Ahmedpur Sharkia. Local name Masor. Cultivated.
426778. K-379. Ahmedpur Sharkia. Local name Masor. Cultivated.

426234 to 427087—Continued**426765 to 426809—Continued**

426779. K-428. Mian Channun. Local name Masor. Cultivated.
 426780. K-435. Chica watni. Local name Masor. Cultivated.
 426781. K-448. Okara. Local name Masor. Cultivated.
 426782. K-476. Pakpatan. Local name Masor. Cultivated.
 426783. K-479. Pakpatan. Local name Masor. Cultivated.
 426784. K-485. Seed store, Arifwala. Local name Masor. Cultivated.
 426785. K-507. Toba Take Singh. Local name Masor. Cultivated.
 426786. K-544. Dera Ghazi Khan. Local name Masur. Cultivated.
 426787. K-551. Seed store, Leiah. Local name Masor. Cultivated.
 426788. K-585. Mianwali. Local name Masor. Cultivated.
 426789. K-603. Seed store, Sargodha. Local name Masor. Cultivated.
 426790. K-618. Samundri. Local name Masor. Cultivated.
 426791. K-628. Gojra. Local name Masor. Cultivated.
 426792. K-642. Jaranwala. Local name Masor. Cultivated.
 426793. K-669. More Khunda. Local name Masor. Cultivated.
 426794. K-681. Shargpur. Local name Masor. Cultivated.
 426795. K-688. Shekhupura. Local name Masor. Cultivated.
 426796. K-696. Shekhupura. Local name Masor. Cultivated.
 426797. K-712. Duska. Local name Masor. Cultivated.
 426798. K-720. Sialkot. Local name Masor. Cultivated.
 426799. K-726. Sialkot. Local name Masor. Cultivated.
 426800. K-729. Pasrur. Local name Masor. Cultivated.
 426801. K-742. Gujrat. Local name Masur. Cultivated.
 426802. K-767. Jhelum. Local name Masor. Cultivated.
 426803. K-780. Gojar Khan. Local name Masor. Cultivated.
 426804. K-807. Dodyal. Local name Masor. Cultivated.
 426805. K-836. Fateh Jang. Local name Masor. Cultivated.
 426806. K-912. Bat Khela. Local name Masur. Cultivated.
 426807. K-916. Bat Khela. Local name Masor. Cultivated.
 426808. K-922. Mingora. Local name Masor. Cultivated.
 426809. K-931. Madyan. Local name Masor. Cultivated.
426810. *LEPIDIUM SATIVUM* L. Brassicaceae. **Garden cress.**
 K-7. Seed store, Tando Allahyar. Local name Halia. Cultivated.
- 426811 to 426873. *LINUM USITATISSIMUM* L. Linaceae. **Flax.**
426811. K-82. Seed store, Gollarchi. Local name Alsi. Cultivated.
 426812. K-105. Seed store, Gharo. Local name Alsi. Cultivated.
 426813. K-142. Mirpur Batoro. Local name Alsi. Cultivated.
 426814. K-162. Halla. Local name Alsi. Cultivated.
 426815. K-170. Halla. Local name Alsi. Cultivated.
 426816. K-181. Sanghar. Local name Alsi. Cultivated.
 426817. K-191. Nawabshah. Local name Alsi. Cultivated.

426234 to 427087—Continued**426811 to 426873—Continued**

- 426818. K-196. Sakrand. Local name Alsi. Cultivated.
- 426819. K-214. Naushahro Firoz. Local name Alsi. Cultivated.
- 426820. K-217. Kadero. Local name Alsi. Cultivated.
- 426821. K-227. Ranipur. Local name Alsi. Cultivated.
- 426822. K-240. Sukkur. Local name Alsi. Cultivated.
- 426823. K-249. Shikarpur. Local name Alsi. Cultivated.
- 426824. K-253. Shikarpur. Local name Alsi. Cultivated.
- 426825. K-259. Jacobabad. Local name Alsi. Cultivated.
- 426826. K-282. Murgzani (near Sibi). Local name Til. Cultivated.
- 426827. K-285. Ghari yaseen. Local name Alsi. Cultivated.
- 426828. K-291. Ghari yaseen. Local name Alsi. Cultivated.
- 426829. K-293B. Ghari yaseen. Cultivated.
- 426830. K-294. Seed store, Ratodero. Local name Alsi. Cultivated.
- 426831. K-302. Seed store, Ratodero. Local name Alsi. Cultivated.
- 426832. K-304. Ratodero. Local name Alsi. Cultivated
- 426833. K-307. Larkana. Local name Alsi. Cultivated.
- 426834. K-326. Pano Agil. Local name Alsi. Cultivated.
- 426835. K-330. Seed store, Ghotki. Local name Alsi. Cultivated.
- 426836. K-335. Mirpur Mathelo. Local name Alsi. Cultivated.
- 426837. K-422. Mian Channun. Local name Alsi. Cultivated.
- 426838. K-441. Okara. Local name Alsi. Cultivated.
- 426839. K-464. Pattoki. Local name Alsi. Cultivated.
- 426840. K-480. Pakpatan. Local name Alsi. Cultivated.
- 426841. K-486. Arifwala. Local name Alsi. Cultivated.
- 426842. K-497. Sahiwal. Local name Alsi. Cultivated.
- 426843. K-510. Toba Take Singh. Local name Alsi. Cultivated.
- 426844. K-524. Muzaffargarh. Local name Alsi. Cultivated.
- 426845. K-530. Kot Addu. Local name Alsi. Cultivated.
- 426846. K-537. Kot Addu. Local name Alsi. Cultivated.
- 426847. K-574. Bhakkar. Local name Alsi. Cultivated.
- 426848. K-583. Mianwali. Local name Alsi. Cultivated.
- 426849. K-591. Seed store, Sargodha. Local name Alsi. Cultivated.
- 426850. K-614. Samundri. Local name Alsi. Cultivated.
- 426851. K-635. Gojra. Local name Alsi. Cultivated.
- 426852. K-667. More Khunda. Local name Alsi. Cultivated.
- 426853. K-675. Shargpur. Local name Alsi. Cultivated.
- 426854. K-692. Shekhupura. Local name Alsi. Cultivated.
- 426855. K-695. Shekhupura. Local name Alsi. Cultivated.
- 426856. K-700. Shekhupura. Local name Alsi. Cultivated.
- 426857. K-717. Duska. Local name Alsi. Cultivated.
- 426858. K-722. Sialkot. Local name Alsi. Cultivated.

426234 to 427087—Continued

426811 to 426873—Continued

426859. K-723. Sialkot. Local name Alsi. Cultivated.
 426860. K-730. Pasrur. Local name Alsi. Cultivated.
 426861. K-733. Pasrur. Local name Alsi. Cultivated.
 426862. K-741. Gujrat. Local name Alsi. Cultivated.
 426863. K-744. Gujrat. Local name Alsi. Cultivated.
 426864. K-760. Lala Musa. Local name Alsi. Cultivated.
 426865. K-766. Jhelum. Local name Alsi. Cultivated.
 426866. K-776. Gojar Khan. Local name Alsi.
 426867. K-819. Chakwal. Local name Alsi. Cultivated.
 426868. K-837. Fateh Jang. Local name Alsi. Cultivated.
 426869. K-874. Charsadda. Local name Alsi. Cultivated.
 426870. K-897. Sakhakot. Local name Alsi. Cultivated.
 426871. K-918. Barikot. Local name Alsi. Cultivated.
 426872. K-926. Mingora. Local name Alsi. Cultivated.
 426873. K-950. Pabbi. Local name Alsi. Cultivated.
426874. LUFFA sp. Cucurbitaceae.
 K-27. Seed store, Digri. Local name Tori. Cultivated.
426875. MEDICAGO SATIVA L. Fabaceae. **Alfalfa.**
 K-65. Seed store, Badin. Local name Lucern. Cultivated.
426876. PENNISETUM AMERICANUM (L.) Leeke Poaceae. **Pearl millet.**
 K-25. Seed store, Tando Ghulam Ali. Local name Bajra. Cultivated.
426877. PENNISETUM sp.
 K-10. Seed store, Tando Allahyar. Local name Bajra. Cultivated.
- 426878 and 426879. PHASEOLUS VULGARIS L. Fabaceae. **Garden bean.**
 426878. K-797. Abotabad. Local name Malla. Cultivated.
 426879. K-881. Rajar. Local name Bagri. Cultivated.
- 426880 to 426898. PISUM SATIVUM L. Fabaceae. **Garden pea.**
 426880. K-57. Seed store, Matli. Local name Matar. Cultivated.
 426881. K-128. Mirpur Batoro. Local name Matar. Cultivated.
 426882. K-158. Halla. Local name Matar. Cultivated.
 426883. K-207. Moro. Local name Matar. Cultivated.
 426884. K-210. Naushahro Firoz. Local name Matar. Cultivated.
 426885. K-220. Kadero. Local name Matar. Cultivated.
 426886. K-233. Sukkur. Local name Matar. Cultivated.
 426887. K-254. Shaikarpur. Local name Matar. Cultivated.
 426888. K-264. Jacobabad. Local name Matar. Cultivated.
 426889. K-270. Jacobabad. Local name Matar. Cultivated.
 426890. K-284. Ghari yaseen. Local name Matar. Cultivated.
 426891. K-296. Seed store, Ratodero. Local name Matar. Cultivated.
 426892. K-305. Ratodero. Local name Matar. Cultivated.
 426893. K-309. Seed store, Larkana. Local name Matar. Cultivated.

426234 to 427087—Continued**426880 to 426898—Continued**

426894. K-311. Larkana. Local name Matar. Cultivated.
426895. K-319. Pano Agil. Local name Matar. Cultivated.
426896. K-340. Ubario. Local name Matar. Cultivated.
426897. K-540. Kot Addu. Local name Matar. Cultivated.
426898. K-914. Bat Khela. Local name Matar. Cultivated.
- 426899 to 426930. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.**
426899. K-9. Seed store, Tando Jam. Local name Arandi. Cultivated.
426900. K-22. Seed store, Tando Ghulam Ali. Local name Arandi. Cultivated.
426901. K-36. Seed store, Mirwah. Local name Arandi. Cultivated.
426902. K-43. Seed store, Khipro. Local name Arandi. Cultivated.
426903. K-50. Seed store, Tando Mohammad Khan. Local name Arandi. Cultivated.
426904. K-54. Seed store, Matli. Local name Arandi. Cultivated.
426905. K-60. Seed store, Talhar. Local name Arandi. Cultivated.
426906. K-73. Seed store, Badin. Local name Arandi. Cultivated.
426907. K-78. Seed store, Gollarchi. Local name Arandi. Cultivated.
426908. K-88. Seed store, Thatta. Local name Arandi. Cultivated.
426909. K-91. Seed store, Ghulamullah. Local name Arandi. Cultivated.
426910. K-103. Seed store, Gharo. Local name Arandi. Cultivated.
426911. K-106. Seed store, Hub Choki. Local name Arandi. Cultivated.
426912. K-108. Luck Bodok and Chechai Town. Local name Arandi. From dryland fields with widely spaced plants, grown up to three years. Cultivated.
426913. K-109. Winder store. Local name Arandi. From dryland plantings. Cultivated.
426914. K-111. Seed store, Uthal. Local name Arandi. Cultivated.
426915. K-118. Gudiani Beach. Local name Arandi. Single, racemed plant growing on dryland in association with sorghum, 1.2 to 1.3 m tall, capsule green. Cultivated.
426916. K-182. Sangar. Local name Arandi. Cultivated.
426917. K-230. Ranipur. Local name Arandi. Cultivated.
426918. K-250. Shikarpur. Local name Arandi. Cultivated.
426919. K-415. Seed store, Mian Channun. Local name Arandi. Cultivated.
426920. K-416. Mian Channun. Local name Arandi. Cultivated.
426921. K-431. Chicha Watni. Local name Arandi. Cultivated.
426922. K-472. Bangu Hajat (between Dipalpur and Pakpatan). Local name Arandi. Wild.
426923. K-491. Arifwala. Local name Arandi. Cultivated.
426924. K-536. Kot Addu. Local name Arandi. Cultivated.
426925. K-539. Kot Addu. Local name Arandi. Cultivated.
426926. K-542. Dera Ghazi Khan. Local name Arandi. Cultivated.

426234 to 427087—Continued**426899 to 426930—Continued**

426927. K-559. Seed store, Chowk Azam. Local name Arandi. Cultivated.
 426928. K-564. Seed store, Fatehpur. Local name Arandi. Cultivated.
 426929. K-575. Bhakkar. Local name Arandi. Cultivated.
 426930. K-597. Sargodha. Local name Arandi. Cultivated.

426931 to 426968. SESAMUM INDICUM L. Pedaliaceae. Sesame.

426931. K-5. Seed store, Tando Allahyar. Local name Til. Cultivated.
 426932. K-40. Seed store, Mirpur Khas. Local name Til. Cultivated.
 426933. K-45. Seed store, Khipro. Local name Til. Cultivated.
 426934. K-63. Seed store, Talhar. Local name Til. Cultivated.
 426935. K-74. Seed store, Badin. Seed white. Local name Til. Cultivated.
 426936. K-87. Seed store, Thatta. Local name Til. Cultivated.
 426937. K-96. Seed store, Mirpur Sakro. Seed white. Local name Til. Cultivated.
 426938. K-102. Seed store, Gharo. Seed white. Local name Til. Cultivated.
 426939. K-141. Mirpur Batoro. Local name Til. Cultivated.
 426940. K-161. Halla. Local name Til. Cultivated.
 426941. K-179. Sanghar. Seed white. Local name Til. Cultivated.
 426942. K-189. Nawabshah. Seed white. Local name Til. Cultivated.
 426943. K-192. Nawabshah. Local name Til. Cultivated.
 426944. K-201. Dulatpur Safan. Local name Til. Cultivated.
 426945. K-206. Moro. Local name Til. Cultivated.
 426946. K-226. Ranipur. Seed black and white. Local name Til. Cultivated.
 426947. K-260. Jacobabad. Seed black and white. Local name Til. Cultivated.
 426948. K-279. Sibi. Local name Til. Cultivated.
 426949. K-299. Seed store, Ratodero. Local name Til. Cultivated.
 426950. K-325. Seed store, Pano Agil. Local name Til. Cultivated.
 426951. K-329. Ghotki. Local name Til. Cultivated.
 426952. K-333. Mirpur Mathelo. Local name Til. Cultivated.
 426953. K-423. Mian Channun. Local name Til. Cultivated.
 426954. K-465. Pattoki. Seed white. Local name Til. Cultivated.
 426955. K-467. Pattoki. Local name Til. Cultivated.
 426956. K-481. Pakpatan. Local name Til. Cultivated.
 426957. K-487. Arifwala. Local name Til. Cultivated.
 426958. K-509. Toba Take Singh. Local name Til. Cultivated.
 426959. K-545. Dera Ghazi Khan. Seed black. Local name Til. Cultivated.
 426960. K-595. Sargodha. Local name Til. Cultivated.
 426961. K-612. Samundri. Local name Til. Cultivated.
 426962. K-690. Shekhupura. Local name Til. Cultivated.
 426963. K-699. Shekhupura. Local name Til. Cultivated.
 426964. K-713. Duska. Local name Til. Cultivated.

426234 to 427087—Continued

426931 to 426968—Continued

426965. K-746. Gujrat. Local name Til. Cultivated.
426966. K-782. Gojar Khan. Local name Til. Cultivated.
426967. K-860. Kohat. Local name Til. Cultivated.
426968. K-898. Sakhakot. Local name Til. Cultivated.
426969. *SORGHUM BICOLOR* (L.) Moench Poaceae. **Sorghum.**
K-24. Seed store, Tando Ghulam Ali. Local name Jowar. Cultivated.
- 426970 to 426974. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. **Fenugreek.**
426970. K-81. Seed store, Gollarchi. Cultivated.
426971. K-120. Gujjo, 85.3 km east of Karachi. Local name Hurbo. Cultivated.
426972. K-127. Mirpur Batoro. Local name Hurbo. Cultivated.
426973. K-129. Mirpur Batoro. Local name Maithi (Knugreek). Cultivated.
426974. K-293C. Ghari yaseem. Cultivated.
- 426975 to 426983. *VIGNA ACONITIFOLIA* (Jacq.) Marechal Fabaceae. **Moth bean.**
426975. K-49. Seed store, Khipro. Local name Jantar. Cultivated.
426976. K-356. Rahimyar Khan. Local name Moth. Cultivated.
426977. K-438. Chicha watni. Local name Moth. Cultivated.
426978. K-440. Okara. Local name Moth. Cultivated.
426979. K-523. Muzaffargarh. Local name Moth. Cultivated.
426980. K-588. Mianwali. Local name Moth. Cultivated.
426981. K-781. Gojar Khan. Local name Moth.
426982. K-793. Haripur. Local name Moth. Cultivated.
426983. K-869. Charsadda. Local name Moth. Cultivated.
- 426984 to 427023. *VIGNA MUNGO* (L.) Hepper **Black gram.**
426984. K-121. Gujjo, 85.3 km east of Karachi. Local name mung. Cultivated.
426985. K-124. Field, 1.6 km north of Sajawal. Local name Mash. Cultivated.
426986. K-200. Dulatpur Safau. Local name Mash. Cultivated.
426987. K-322. Pano Agil. Local name Mash. Cultivated.
426988. K-323. Pano Agil. Local name Mash. Cultivated.
426989. K-341. Ubario. Local name Mash. Cultivated.
426990. K-358. Seed store, Rahimyar Khan. Local name Mash. Cultivated.
426991. K-363. Ahmedpur Sharkia. Local name Mash. Cultivated.
426992. K-378. Ahmedpur Sharkia. Local name Mash. Cultivated.
426993. K-388. Bahawalpur. Local name Mash. Cultivated.
426994. K-409. Khanewal. Local name Manghra. Cultivated.
426995. K-417. Mian Channun. Local name Mash. Cultivated.
426996. K-420. Mian Channun. Local name Munghra. Cultivated.

426234 to 427087—Continued**429684 to 427023—Continued**

426997. K-421. Mian Channun. Local name Mash. Cultivated.
 426998. K-425. Mian Channun. Local name Mash. Cultivated.
 426999. K-433. Chicha watni. Local name Mash. Cultivated.
 427000. K-461. Pattoki. Local name Mash. Cultivated.
 427001. K-475. Seed store, Pakpatan. Local name Mash. Cultivated.
 427002. K-483. Seed store, Arifwala. Local name Mash. Cultivated.
 427003. K-504. Toba Take Singh. Local name Mash. Cultivated.
 427004. K-521. Muzaffargarh. Local name Mash. Cultivated.
 427005. K-578. Bhakkar. Local name Mash. Cultivated.
 427006. K-594. Sargodha. Local name Mash. Cultivated.
 427007. K-610. Samundri. Local name Mash. Cultivated.
 427008. K-631. Gojra. Local name Mash. Cultivated.
 427009. K-710. Duska. Local name Mash. Cultivated.
 427010. K-728A. Pasrur. Local name Mash. Cultivated.
 427011. K-745. Gujrat. Local name Mash. Cultivated.
 427012. K-747A. Gujrat. Local name Mash. Cultivated.
 427013. K-762. Lala Musa. Local name Mash. Cultivated.
 427014. K-770. Jhelum. Local name Mash.
 427015. K-779. Gojar Khan. Local name Mash. Cultivated.
 427016. K-790. Haripur. Local name Mash. Cultivated.
 427017. K-798. Abotabad. Local name Mash. Cultivated.
 427018. K-806. Dodyal. Local name Mash. Cultivated.
 427019. K-820. Chakwal. Local name Mash. Cultivated.
 427020. K-866. Peshawar. Local name Mash. Cultivated.
 427021. K-924. Mingora. Local name Mash. Cultivated.
 427022. K-928. Madyan. Local name Mash. Cultivated.
 427023. K-936. Khawaza Khela. Local name Mash. Cultivated.
 427024 to 427064. *VIGNA RADIATA* (L.) Wilczek var. *RADIATA* Fabaceae.
Mung bean.
427024. K-30. Seed store, Digri. Local name Mung. Cultivated.
 427025. K-163. Halla. Local name Mung. Cultivated.
 427026. K-188. Nawabshah. Local name Mung. Cultivated.
 427027. K-229. Ranipur. Local name Mung. Cultivated.
 427028. K-292. Ghari yaseen. Local name Mung. Cultivated.
 427029. K-317. Pano Agil. Local name Mung. Cultivated.
 427030. K-354. Rahimyar Khan. Local name Mung. Cultivated.
 427031. K-405. Khanewal. Local name Mung. Cultivated.
 427032. K-424. Mian Channun. Local name Mung. Cultivated.
 427033. K-442. Okara. Local name Mung. Cultivated.
 427034. K-462. Pattoki. Local name Mung. Cultivated.
 427035. K-463. Pattoki. Seed black. Local name Mung. Cultivated.

426234 to 427087—Continued**427024 to 427064—Continued**

427036. K-466. Pattoki. Local name Mung. Cultivated.
 427037. K-477. Pakpattan. Local name Mung. Cultivated.
 427038. K-498. Sahiwal. Local name Mung. Cultivated.
 427039. K-506. Toba Take Singh. Local name Mung. Cultivated.
 427040. K-543. Dear Ghazi Khan. Local name Mung. Cultivated.
 427041. K-577. Bhakkar. Local name Mung. Cultivated.
 427042. K-587. Mianwali. Local name Moongni. Cultivated.
 427043. K-593. Sargodha. Local name Mung. Cultivated.
 427044. K-602. Seed store, Sargodha. Local name Mung. Cultivated.
 427045. K-632. Gojra. Local name Mung. Cultivated.
 427046. K-678. Shargpur. Local name Mung. Cultivated.
 427047. K-682. Shekhupura. Local name Mung. Cultivated.
 427048. K-689. Shekhupura. Local name Mung. Cultivated.
 427049. K-711. Duska. Local name Mung. Cultivated.
 427050. K-747B. Gujrat. Local name Mung. Cultivated.
 427051. K-748. Local name Mung. Cultivated.
 427052. K-757. Lala Musa. Local name Mung. Cultivated.
 427053. K-778. Gojar Khan. Local name Mung. Cultivated.
 427054. K-791. Haripur. Local name Mung. Cultivated.
 427055. K-812. Chakwal. Local name Mung. Cultivated.
 427056. K-816. Chakwal. Local name Mung. Cultivated.
 427057. K-861. Kohat. Local name Mung. Cultivated.
 427058. K-865. Peshawar. Local name Mung. Cultivated.
 427059. K-875. Charsadda. Local name Mung. Cultivated.
 427060. K-877. Charsadda. Local name Mung. Cultivated.
 427061. K-930. Madyan. Local name Mung. Cultivated.
 427062. K-935. Khawaza Khala. Local name Mung. Cultivated.
 427063. K-941. Mardan. Local name Mung. Cultivated.
 427064. K-970. Campbellpore. Local name Mung. Cultivated.
- 427065 to 427086. VIGNA UNGUICULATA (L.) Walp. subsp. UNGUICULATA**
Fabaceae. Cowpea.
427065. K-231. Ranipur. Local name Rawahan. Cultivated.
 427066. K-355. Rahimyar Khan. Local name Rawan. Cultivated.
 427067. K-429. Mian Channun. Local name Rawan. Cultivated.
 427068. K-436. Chica watni. Local name Lobia. Cultivated.
 427069. K-444. Okara. Local name Lobia. Cultivated.
 427070. K-445. Okara. Local name Lobia. Cultivated.
 427071. K-447. Okara. Local name Rawan. Cultivated.
 427072. K-450. Okara. Local name Rawan. Cultivated.
 427073. K-611. Samundri. Local name Lobia. Cultivated.
 427074. K-620. Samundri. Local name Lobia. Cultivated.

426234 to 427087—Continued**427065 to 427086—Continued**

427075. K-654. Jaranwala. Local name Lobia. Cultivated.
 427076. K-680. Shargpur. Local name Rawan. Cultivated.
 427077. K-683. Shekhupura. Local name Rawan. Cultivated.
 427078. K-707. Duska. Local name Chanwala. Cultivated.
 427079. K-716. Duska. Local name Rawan. Cultivated.
 427080. K-718. Duska. Local name Lobia. Cultivated.
 427081. K-792. Haripur. Local name Plath. Cultivated.
 427082. K-799. Abotabad. Local name Lobia. Cultivated.
 427083. K-854. Jand. Local name Lobia. Cultivated.
 427084. K-885. Takhat-i-Bhai. Local name Lobia. Cultivated.
 427085. K-925. Mingora. Local name Lobia. Cultivated.
 427086. K-945. Mardan. Local name Lobia. Cultivated.

427087. VIGNA sp.

K-929. Madyan. Seed dark grey, shiny. Cultivated.

427088. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From People's Republic of China. Seed presented by Illinois Agricultural Mission. Received April 17, 1978.

Municipal Soybean Crushing Plant, Ch'ang-ch'un, Chi-lin Province.

427089 and 427090. CUCUMIS SATIVUS L. Cucurbitaceae.**Cucumber.**

From People's Republic of China. Seed presented by Ching Yueh People's Commune, through Illinois Agricultural Mission. Received April 17, 1978.

427089. No. 1.

427090. No data.

427091 to 427093.

From People's Republic of China. Seed presented by Lok Gang People's Commune, Canton, Kwangtung Province, through Illinois Agricultural Mission. Received April 17, 1978.

427091. BRASSICA PEKINENSIS (Lour.) Rupr. Brassicaceae.**Chinese cabbage.**

Received as chicken feather (feathery-leafed) vegetable.

427092. PHASEOLUS VULGARIS L. Fabaceae.**Garden bean.****427093. VIGNA UNGUICULATA subsp. SESQUIPEDALIS (L.) Verdc. Fabaceae.****Yard-long bean.****427094 to 427097.**

From People's Republic of China. Seed presented by Ch'ang-ch'un Municipal Vegetable Research Station, Chi-lin Province, through Illinois Agricultural Mission. Received April 17, 1978.

427094. BRASSICA PEKINENSIS (Lour.) Rupr. Brassicaceae.**Chinese cabbage.**

About 40 to 50 cm tall, 12 cm diameter. Growth period 70 to 80 days. Disease and cold resistant. Quality and storage good.

427094 to 427097—Continued

427095. CUCURBITA PEPO L. Cucurbitaceae. **Squash.**

Leaves pubescent. Fruit oblong, dark green. Growth period 50 to 60 days. Referred to as third leaf squash.

427096 and 427097. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

427096. 'Ch'ang-ch'un No. 2'. Plants indeterminate. Fruit round, pink. Maturity 125 days.

427097. 'Ch'ang-ch'un No. 3'. Plants indeterminate. Fruit evenly colored red, 4.9 percent solids. Maturity 115 days.

427098 to 427111.

From People's Republic of China. Seed presented by Chi-lin Agriculture and Forestry Academy, Ch'ang-ch'um, through Illinois Agricultural Mission. Received April 17, 1978.

427098 to 427107. GLYCINE MAX (L.) Merr. Fabaceae. **Soybean.**

427098. 'Chi-lin No. 4'. Plants tall, productive. More than four seeds per pod. Sixteen to eighteen g/100 seeds. Maturity 128 days. Released 1963 for mid-southern and southern area of Chi-lin Province.

427099. 'Chi-lin No. 3'. Plants tall, large, erect. Pod attachment high. Fifteen to sixteen g/100 seeds. Quality good. Maturity 125 days. Released 1963 for mid-northern area of Chi-lin Province.

427100. 'Chi-lin No. 5'. Plants tall, productive. More than four seeds per pod. Twenty g/100 seeds. Maturity 135 days. Released 1963. Wide adaptation.

427101. 'Chi-lin No. 6'. Plants medium height, erect. Fifteen to sixteen g/100 seeds. Quality good. Maturity 132 days. Resistant to insects. Released 1963 for mid-southern area of Chi-lin Province.

427102. 'Chi-lin No. 8'. Plants medium height, erect, productive. Flowers purple. Eighteen g/100 seeds. Quality good. Maturity 123 days. Released 1971 for midwest area of northern Chi-lin Province. Good adaptation.

427103. 'Chi-lin No. 9'. Plants tall, large, erect. Twenty g/100 seeds. Quality good. Maturity 123 days. Released 1971 for middle section of northern Chi-lin Province.

427104. 'Chi-lin No. 11'. Plants medium height, erect. Sixteen g/100 seeds. Quality good. Maturity more than 125 days. Released 1971 for middle section of Chi-lin Province.

427105. 'Little golden yellow No. 1'. Plants medium height, highly branched. Sixteen g/100 seeds. Quality good. Maturity 128 days. Grows well in fair soils. Selected for western area of Chi-lin Province.

427106. 'Kung-chiao 6602-3'. Plants short, highly branched. Flowers purple. Twenty g/100 seeds. Quality good. Maturity 120 days. Released 1976 for middle and mid-eastern area of Chi-lin Province.

427107. 'Kung-chiao 6612-4'. Plants tall, large, productive. Flowers purple. More than four seeds per pod. Eighteen to twenty g/100 seeds. Quality good. Maturity 132 days. Released 1976 for mid-southern area of Chi-lin Province.

427108 to 427111. ZEA MAYS L. Poaceae. **Corn.**

427108. 'Eng 117'. Eng-li chih. Inbred. Medium height. Maturity 130 days.

427098 to 427111—Continued**427098 to 427107—Continued**

427109. 'Eng-li Chih'. Chi-lin Province. Stalks tall, large. Lodges. Maturity 132 days.
427110. 'Tieh lin Huang Ma Ya'. Tieh lin, Liaoning Province. Stalks tall, large. Maturity 138 days.
427111. 'Chi-tan 120'. M14 × Tieh 133. Medium height. Seeds deep yellow. Maturity 125 days. Selected for mid-eastern flatland of Chi-lin Province.

427112 and 427113. ORYZA SATIVA L. Poaceae. Rice.

From United States. Seed presented by L. E. Crane, Chocolate Bayou Company, Alvin, Texas. Received May 2, 1978.

427112. Originally from Italy.
427113. Originally from Surinam. Long grain.

427114 to 427119.

From United States. Selections made by the U.S. National Arboretum, U.S. Department of Agriculture, Washington, D.C. Color codes refer to the Royal Horticultural Society Colour Chart, 1966. Hardiness zones refer to USDA Misc. Publ. 814, revised 1965. Numbered December 14, 1978.

427114 to 427116. LAGERSTROEMIA (hybrid) Lythraceae.

427114. 'Muskogee'. N.A. 38448. Multiple stemmed seedling of *L. indica* × *L. fauriei*. Plant 7.2 m tall and 3.6 m wide at 11 years. Bark exfoliating, medium brown (164B–165D Greyed Orange), spectacular throughout the year. Leaves dark green, 6 to 9 cm by 4 cm. Resistant to powdery mildew under field conditions. Autumn foliage red and yellow. Flowers open early August, continued with scattered recurrent bloom. Hardy Zone 7b.
427115. 'Natchez'. N.A. 38449. Multiple stemmed seedling of *L. indica* × *L. fauriei*. Plant 6.6 m tall and 3.6 m wide at 11 years. Bark exfoliating dark brown (166B–174D Greyed Orange). Leaves dark green, 6–8 cm by 3–4 cm. Resistant to powdery mildew under field conditions. Flowers white, produced in early July with recurrent blooming of more than two months. Hardy to Zone 7b.
427116. 'Tuscarora'. N.A. 47787. Seedling of *L. indica* × *L. fauriei*. Upright growth habit. Trunk bark light brown. Leaves heavy textured. Flowers dark coral pink (Red 54A) in large inflorescences. Resistant to powdery mildew under field conditions.

427117 and 427118. PYRACANTHA (hybrid) Rosaceae.

427117. 'Teton'. N.A. 38450. Seedling of *P. coccinea* × *crenulata*. Distinct upright growth habit. Plant 4.2 m tall and 3 m wide at 12 years. Leaves medium green (Yellow Green 147A–147B) and semi-persistent. Fruit ripens mid-October to light yellow (Yellow Orange 23A), matures to medium yellow orange (Orange 24A) and persists until January. Resistant to scab and fire blight. Hardy to Zone 6b.

427114 to 427119—Continued

427114 to 427116—Continued

427118. 'Nacaho'. N.A. 38451. F₂ hybrid of *P. angustifolia*, *P. coccinea*, and *P. crenulata*. Low, dense branching habit. Plant 1.8 m tall and 2.4 m wide at 12 years. Leaves semi-evergreen, narrow, dark green (Yellow Green 147A), and densely clustered on short twigs. Fruit abundant, luminescent orange red (Red 40B), ripens in November, and persists throughout most of the winter. Resistant to scab and fire blight. Hardy to Zone 7b.

427119. *VIBURNUM PLICATUM* f. *TOMENTOSUM* (Thunb.) Rehder Caprifoliaceae.

N.A. 36800. Seedling selection. Horizontal habit. Plant 1.8 m tall and 3.6 m wide. Leaves intense plum-colored for extended autumn period. Inflorescences abundant, with spectacular masses in May, large with sterile marginal florets of pure white and larger than other cultivars. Fruit abundant, scarlet in late July and August.

427120 to 427123. *TRIFOLIUM AMBIGUUM* Bieb. Fabaceae.

Kura clover.

From Australia. Seed presented by M. Zorin, Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra City. Numbered June 26, 1978.

427120. 'Forest'. 2n.

427121. 'Prairie'. 6n.

427122. 6n line, originally from Krasnodar, USSR.

427123. 2n hybrid.

427124 to 427126.

From Nigeria. Seeds presented by A. T. Perez, International Institute of Tropical Agriculture, Ibadan. Numbered July 19, 1978.

427124. *CAJANUS CAJAN* (L.) Millsp. Fabaceae. Pigeon pea.
TSs 37.

427125. *PACHYRHIZUS EROSUS* (L.) Urb. Fabaceae. Yam bean.

427126. *VOANDZEIA SUBTERRANEA* (L.) Thou. Fabaceae.
Bambarra groundnut.

TVs 21.

427127. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.

From Chile. Seed presented by Juan Naveillan, El Vergel 2316, Santiago.
Received June 23, 1978.

Remain green during dry periods.

427128. *MUCUNA COCHINCHINENSIS* (Lour.) A. Cheval.

Fabaceae. Velvetbean.

From Malaysia. Seed presented by P. D. Abraham, RPIM, Kuala Lumpur.
Received May 27, 1978.

427129 and 427130. HORDEUM VULGARE L. Poaceae. **Barley.**
From England. Presented by Plant Breeding Institute, Cambridge. Received
June 27, 1978.

427129. 'Jupiter'. Index No. 5337.

427130. 'Minak'. Index No. 5538.

427131. OPUNTIA sp. Cactaceae.

From United States. Plants presented by J. P. Fowlkes, Imperial Valley
Field Station, University of California, El Centro, California. Numbered
July 13, 1978.

427132. GLYCINE MAX (L.) Merr. Fabaceae. **Soybean.**

From Sweden. Seed presented by Weibullsholm Plant Institute, Landskrona.
Received June 26, 1978.

'Fiskeby V'.

427133 to 427135. PISUM SATIVUM L. Fabaceae. **Garden pea.**

From Canada. Seed presented by Roland Loiselle, Plant Gene Resources of
Canada, Ottawa Research Station, Ottawa, Ontario. Received June 19,
1978.

427133. 'Century' PGR3823.

427134. 'Enka' PGR3824.

427135. 'Century' × 'Stral' PGR3825.

427136 to 427143. GLYCINE MAX (L.) Merr. Fabaceae.

Soybean.

From Canada. Seeds from Crop Experiment Station, Suwon, Korea, pre-
sented by King Grain Limited, Chatham, Ontario. Received June 27,
1978.

427136. 'Backchung No. 42' 1365.

427140. 'Saeyup No. 1' 1379.

427137. 'Backmokjangyeup' 1146.

427141. 'Seuhae No. 20' 1147.

427138. 'Choseng No. 1' 1149.

427142. 'Sipyuk No. 117' 1378.

427139. 'Owonchoseng-ji-doo' 1381.

427143. 'Sipyuk No. 144' 1148.

427144 and 427145. OPUNTIA sp. Cactaceae.

From Brazil. Plants presented by Centro Nacional De Recurson Geneticos,
EMPRAPA/Cenargen, Brasilia. Numbered July 21, 1978.

427144. Giant type. Oval leaf pads.

427145. Round leaf pads.

427146. TRITICUM AESTIVUM L. Poaceae. **Common wheat.**

From Russia. Seed presented by the N. I. Vavilov Institute of Plant
Industry, Leningrad. Numbered July 21, 1978.

'Aragvi'. VIR-49256. Georgian SSR.

427147 to 427151.

From Mexico. Seed presented by Joann M. Andrews, Merida, Yucatan,
Mexico. Received May 17, 1978.

427147 to 427150. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

427147 to 427151—Continued

427147 to 427150—Continued

427147. YU-T-2. Central market, Merida. Fruit irregularly lobed, cat faced, many carpels, 8 cm diameter. Local name "Rosappak" (Rose tomato). Cultivated at Kanasin, Yucatan.

427148. YU-T-3. Central market, Merida. Fruit irregular, meaty, many carpels, 8.5 cm diameter. Local name "Macizo" (firm). Cultivated at Kanasin, Yucatan.

427149. YU-T-4. Market, Merida. Fruit irregularly lobed, soft, with hollow space between pericarp and seed, 6 cm diameter. Local name "Zocate" (overripe). Cultivated in Yucatan.

427150. Yu-T-5. Market, Merida. Fruit globose, smooth, fine flavor, 6 cm diameter. Local name "Manzana" (apple). Cultivated at Kanasin, Yucatan.

427151. LYCOPERSICON ESCULENTUM var. CERASIFORME (Dun.) A. Gray
Solanaceae. **Cherry tomato.**

YU-T-1. Along highway between Merida and Progreso. Fruit globose with 2 carpels, 1.5 cm diameter. Local name "Tomate salvaje" or "Lximpak" (Maya). Growing in open field. Wild.

427152 to 427211. ZEA MAYS L. Poaceae. Corn.

From Yugoslavia. Seed collected 1977 in Macedonia Republic and presented by Dijamandi Korneti, Zemjodelski Institut, Skopje, under Public Law 480 Project YO-ARS-26. Numbered July 24, 1978.

427152. VIII/241.	427174. VIII/263.
427153. VIII/242.	427175. VIII/264.
427154. VIII/243.	427176. VIII/265.
427155. VIII/244.	427177. VIII/266.
427156. VIII/245.	427178. VIII/267.
427157. VIII/246.	427179. VIII/268.
427158. VIII/247.	427180. VIII/269.
427159. VIII/248.	427181. VIII/270.
427160. VIII/249.	427182. VIII/271.
427161. VIII/250.	427183. VIII/272.
427162. VIII/251.	427184. VIII/273.
427163. VIII/252.	427185. VIII/274.
427164. VIII/253.	427186. VIII/275.
427165. VIII/254.	427187. VIII/276.
427166. VIII/255.	427188. VIII/277.
427167. VIII/256.	427189. VIII/278.
427168. VIII/257.	427190. VIII/279.
427169. VIII/258.	427191. VIII/280.
427170. VIII/259.	427192. VIII/281.
427171. VIII/260.	427193. VIII/282.
427172. VIII/261.	427194. VIII/283.
427173. VIII/262.	427195. VIII/284.

427152 to 427211—Continued

427196. VIII/285.	427204. VIII/293.
427197. VIII/286.	427205. VIII/294.
427198. VIII/287.	427206. VIII/295.
427199. VIII/288.	427207. VIII/296.
427200. VIII/289.	427208. VIII/297.
427201. VIII/290.	427209. VIII/298.
427202. VIII/291.	427210. VIII/299.
427203. VIII/292.	427211. VIII/300.

427212 to 427222.

From United States. Seed collected by W. F. Jeffers, Agricultural Consultant, Salisbury, Maryland, and presented through J. Bouwkamp, University of Maryland, College Park, Maryland. Numbered July 24, 1978.

427212. CUCURBITA MOSCHATA (Duch.) Duch. ex Poir. Cucurbitaceae.

Squash.

Large Butternut Squash. Grown by Robert Smith, Powellville, Maryland. Elongate cylindrical, curved, blossom end bulbous, 10 cm diameter. Used for pies.

427213 and 427214. CUCURBITA PEPO L.

Pumpkin.

427213. Grown by Robert Smith, Powellville, Maryland. Flattened at blossom end and tapers gradually to stem end, weight 2 kg, brownish orange.

427214. Brittingham. Grown by local families near Powellville, Maryland. Vine type. Fruit depressed globose, weight 2 kg, brownish orange. Used for pies.

427215 to 427220. PHASEOLUS LUNATUS L. Fabaceae.

Lima bean.

427215. Brittingham. Grown by Mrs. Dollie Brittingham, Powellville, Maryland. Vigorous, pole type. Pods thin, smooth, 13 cm long. Seed plump, angular, dry texture, whitish, 4 by 2.5 mm. Matures in 90 days.

427216. Chandler. Grown by family near Powellville, Maryland, for many years. Vigorous, pole type. Pods straight, thin, smooth, 10 by 2 cm. Seed 2 by 1.5 cm, butterbean type. Matures in 66 days.

427217. Covington. Grown for over 100 years by James Covington family, Sharptown, Maryland. Pole type. Pods to 13 cm long. Seed thin, white, 2 by 1.5 cm. Matures in 66 days.

427218. George Williams. Pole type. Pods dull surfaced, plump, 15 by 3 cm. Seed plump, green even when cooked, 4.5 by 2 cm, flavor excellent. Matures in 74 days.

427219. Hughes. Grown for 40 years by H. C. Hughes, Salisbury, Maryland. Pole type. Pods somewhat thin, smooth, 10 by 2 cm. Seed greenish white, 2 by 1.5 cm, butterbean type. Matures in 66 days.

427220. Willow. Grown for several years near Salisbury, Maryland. Vigorous, pole type. Leaflets 15 by 2 cm. Pods 10 by 2 cm. Seed thin, whitish green, 2 by 1.5 cm. Matures in 75 days.

427212 to 427222—Continued

427221 and 427222. *VIGNA UNGUICULATA* (L.) Walp. subsp. *UNGUICULATA*
Fabaceae. **Cowpea.**

427221. Chandler. Vigorous, bush type. Pods round, straight, to 24 cm long. Seed irregular round, .75 cm, at first greenish white, brown with small white eye when dry. Matures in 60 days.

427222. Hughes. Seed white with black eye.

427223 to 427264.

From Nepal. Seed collected 1977 by P. W. Larrick, Department of Microbiology and Immunology, Duke University Medical Center, Durham, North Carolina. Numbered July 25, 1978.

427223 to 427229. *AMARANTHUS CRUENTUS* L. Amaranthaceae.

427223. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Seed deep brown. Local name Marcia rato.

427224. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Red. Local name Marcia.

427225. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Red. Used for snacks, porridge, and bread. Local name Nepali-Marcia rato and Tamang-Marcia Marbo.

427226. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. White. Local name Nepali-Marcia seto and Tamang-Marcia Karbo.

427227. Near Simikot, Humla District. White marcia.

427228. Northwest of Simikot, Humla District. Red marcia.

427229. Northwest of Simikot, Humla District. White marcia.

427230. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**

Roadside stand, Kathmandu Valley. Fruit large.

427231 to 427234. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae.

Finger millet.

427231. Northwest of Simikot, Humla District.

427232. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Plants to 1.2 m, tightly packed heads, four fingered. Used for cooking breads and beer. Local name Nepali-Kodo and Tawang-Kordu.

427233. Local name Kodo.

427234. Kalimpong market, Sikkim.

427235 and 427236. *FAGOPYRUM ESCULENTUM* Moench Polygonaceae.

Buckwheat.

427235. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Used for breads and cakes, leaves used like spinach. Local name Nepali-Guliyo papar and Tamang-Kabray.

427236. Northwest of Simikot, Humla District. Local name Guliyo phopher.

427223 to 427264—Continued

427237 to 427240. *FAGOPYRUM TATARICUM* (L.) Gaertn.**Tartary buckwheat.**

427237. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Thin stalk with seed along length of stalk. Used for breads and cakes. Local name Nepali-Tito papar and Tamang-Tdho.

427238. Simikot, Humla District. Elevation 2,910 m. Local name Phopher (mitha).

427239. Northwest of Simikot, Humla District.

427240. Twenty-nine km northwest of Simikot, Humla District.

427241 and 427242. *GLYCINE MAX* (L.) Merr. Fabaceae. **Soybean.**

427241. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Local name Nepali-Bata and Tamang-Landi.

427242. Sikkim.

427243 to 427246. *HORDEUM VULGARE* L. Poaceae. **Barley.**

427243. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Used for beer, bread, and ready-to-eat flour. Local name Nepali-Uwa and Tamang-Ny.

427244. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Local name Nepali-Jow and Tamang-Suwa.

427245. Simikot, Humla District. Local name Jow.

427246. Northwest of Simikot, Humla District.

427247 to 427250. *PANICUM MILIACEUM* L. Poaceae. **Proso millet.**

427247. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Tall stalks with feathery heads. Used for snacks (roasted), cooked cereal and beer. Red type. Local name Nepali-Chinu rato and Tamang-Chizi marbo.

427248. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Seed red. Local name Nepali-Chinu seto and Chizi karbo.

427249. Simikot, Humla District. Elevation 2,910 m. Mixture of red and white types. Local name Chinu.

427250. Northwest of Simikot, Humla District. Red type. Local name Chinu.

427251 to 427254. *PHASEOLUS VULGARIS* L. Fabaceae. **Bean.**

427251. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Blue seed coat. Interplanted with millet, buckwheat, and amaranthus. Roasted as a snack and boiled to make a sauce. Local name Nepali-Shima and Tamang-Palbu landi.

427252. Simikot, Humla District. Local name Simi. Long kidney, purple mottled.

427253. Simikot, Humla District. Local name Simi. Small, blue seed coat.

427254. Sikkim.

427255. *PISUM SATIVUM* L. Fabaceae. **Field pea.**
Skikim.

427223 to 427264—Continued

427256 to 427258. *SETARIA ITALICA* (L.) Beauv. Poaceae. **Foxtail millet.**

427256. Dhingha Village, 16 km from Tibetan border, Humla District. Elevation 2,880 m. Tall with compact head. Mixture of black, red and white types. Used like cooked rice. Local name Nepali-Kauni and Tamang-Tay.

427257. Local name Kauni.

427258. Northwest of Simikot. Local name Kauni.

427259 to 427261. *VIGNA RADIATA* (L.) Wilczek var. *RADIATA* Fabaceae. **Mung bean.**

427259. Kalimpong market, Sikkim. In mixture with *V. mungo*.

427260. Kalimpong market, Sikkim. Wild.

427261. Sikkim.

427262 and 427263. *VIGNA MUNGO* (L.) Hepper **Black gram.**

427262. Kalimpong market, Sikkim. In mixture with *V. radiata*.

427263. Sikkim.

427264. *VIGNA UMBELLATA* (Thunb.) Ohwi & Ohashi **Rice bean.**
Sikkim.

427265 to 427269. LINUM USITATISSIMUM L. Linaceae. Flax.

From France. Seed presented by Compagnie de Diffusion de Semences Oleagineuses (CODISOL), Paris. Numbered July 26, 1978.

427265. 'Antares'. ('Szechas' × 'Saphir') × GG5, developed by Cooperative de Semences de lin du Plessis-Bellevilie, 1973. Straw long. Resistant to lodging.

427266. 'Crocus'. 'Szekas 88' × 'Maroc', developed by Ets Tourneur Freres (Coulommiers), 1960. Early flowering and maturity. Straw short.

427267. 'Emeraude'. Selected from 'Wiera', developed by Cooperative de Semences de lin du Plessis-Bellevilie, 1960. Early flowering and maturity. Good fiber quality, ability to redress after lodging.

427268. 'Lisa'. (C.I. 687 × 'Wiera') × 'Fibra', developed by I.N.R.A./Cooperative de Semences de lin du Plessis-Bellevilie, 1974. Late flowering and maturity. Resistant to lodging, Fusarium, and rust.

427269. 'Ocean'. Selected from 'Maroc', developed by I.N.R.A./Cooperative de Semences de lin du Plessis-Bellevilie, 1975. Early flowering, late maturity. Short straw. Seed large.

427270. CHORISIA SPECIOSA St.-Hil. Bombacaceae. Floss-silk-tree.

From Brazil. Seed collected by H. F. Winters, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland, and R. J. Knight, Jr., Subtropical Horticultural Research Unit Miami, Florida. Received January 25, 1978.

W-1969. Km 9 (road from Brasilia to Belo Horizonte, D. F.). Flowers pink. Wild.

- 427271. LYCOPERSICON ESCULENTUM var. CERASIFORME (Dunal)**
A. Gray Solanaceae. Cherry tomato.
 From Honduras. Seed donated by Billy S. Lady, Tegucigalpa. Numbered July 27, 1978.
 Vigorous, indeterminate, slender stems. Leaves small. Fruit to 1.3 cm diameter, freely produced. Resistant to wilt, insects and drought. Local name Tomatillo de gallina.
- 427272 and 427273.**
 From Australia. Seeds presented by Plant Introduction Section, Division of Plant Industry, CSIRO, Canberra. Numbered July 27, 1978.
- 427272. LEUCAENA ESCULENTA (Moc. & Sesse) Benth. Fabaceae.**
 C.P.I. 34666. Originally from Mexico.
- 427273. LEUCAENA PULVERULENTA (Schlecht.) Benth.**
 C.P.I. 23145. Originally from Spain. Open-pollinated seed.
- 427274. TRITICUM AESTIVUM L. Poaceae. Wheat.**
 From India. Seed presented by V. S. Prakasa Rao, Maharashtra Association for the Cultivation of Science, New Delhi. Numbered August 14, 1978.
 Yellow khapli.
- 427275. IMPATIENS PLATYPETALA Lndl. Balsaminaceae. Snapweed.**
 From United States. Seed presented by Jack L. Weigle, Department of Horticulture, Iowa State University of Science and Technology, Ames, Iowa. Numbered August 1, 1978.
 ISU-619. White-flowered mutant of P.I. 349629. Seed from open-pollinated flowers.
- 427276. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.**
 From People's Republic of China. Seed collected by R. H. Hageman, Department of Agronomy, University of Illinois, Urbana. Numbered September 6, 1978.
 Garden plot southwest of Canton, collected June, 1978.
- 427277 to 427279. ARACHIS HYPOGAEA L. Fabaceae. Peanut.**
 From South Africa. Seed presented by T. C. Nel, Division of Plant Seed Control, Department of Agricultural Technical Services, Pretoria. Numbered September 6, 1978.
- 427277. G 203-5-V1-7.**
- 427278. Kriek.**
- 427279. Sellie.**
- 427280. TRITICUM DURUM Desf. Poaceae. Durum wheat.**
 From Australia. Seed presented by T. Purss, Agricultural Research Centre, New South Wales, Tamworth. Numbered August 30, 1978.
 'TAM 36A'.

427281. BANKSIA INTEGRIFOLIA L. f. Proteaceae.

From Australia. Seed presented by Beach Protection Authority, Department of Harbours and Marine, Brisbane, Queensland. Numbered August 30, 1978.

Grown in New South Wales.

427282 to 427286. TRITICUM AESTIVUM L. Poaceae. Wheat.

From Japan. Seed presented by Kimihira Fukunaga, Central Agricultural Experiment Station, Konosu, Saitama. Numbered August 31, 1978.

427282. 'Hachiman Kamugi'.

427285. 'Sakigake Komugi'.

427283. 'Hanagasa Komugi'.

427286. 'Shirogane Komugi'.

427284. 'Hatsuko Komugi'.

427287. TRIFOLIUM REFLEXUM L. Fabaceae. Buffalo clover.

From United States. Seed presented by Paul Tabor, 845 Bobbin Mill Road, Athens, Georgia. Numbered August 31, 1978.

Collected from eroded slope. Slow germinating. Large vigorous plants.

427288. MUCUNA ATERRIMA (Piper & Tracy) Holland Fabaceae.

From Australia. Seed presented by Plant Introduction and Seed Exchange Unit, Division of Plant Industry, CSIRO, Canberra. Numbered August 31, 1978.

CPI 77362. Originally from Nigeria.

427289 to 427291.

From United States. Seed presented by R. A. Hamilton, Department of Horticulture, University of Hawaii, Honolulu, Hawaii. Received April 3, 1978.

427289 and 427290. *CAPSICUM ANNUM L. var. ANNUM Solanaceae.*

Chili pepper.

427289. 'HAES XX'. Fruit thick walled, conical, 2.5 cm diameter. 10 cm long, pungent, high quality. 'Keystone' × 'Malaysia Chili' developed by R. A. Hamilton, University of Hawaii. Immune to Hawaiian strain of bacterial wilt and tolerant to root knot nematode.

427290. 'Malaysian Chili'. Fruit thin walled, conical, slender, 10 cm long, pungent. Immune to bacterial wilt and highly resistant to root knot nematodes. Standard chili variety in Peninsular Malaysia. Originally from Ministry of Agriculture, Kuala Lumpur, Malaysia.

427291. *CAPSICUM ANNUM L. var. ANNUM Solanaceae.* **Bell pepper**

'HES 74P-23'. Fruit medium three lobed, tapered. Resistant to bacterial wilt. 'Keystone' × 'Malaysian Chili' developed by J. S. Tanaka, University of Hawaii.

427292 to 427294. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Egypt. Seed presented by Mokhtar M. Satour, Plant Pathology Research Institute, Giza, Cairo. Numbered August 31, 1978.

427292. 'Giza-1'.

427293. 'Giza-3'.

427294. 'Giza-4'.

- 427295 and 427296. TRITICUM AESTIVUM L. Poaceae. Wheat.**
 From Union of Soviet Socialist Republic. Seed presented by the N. I. Vavilov
 All-Union Institute of Plant Industry, Leningrad. Received July 26, 1978.
- 427295. VIR 12606.** Originally from Afghanistan. Received as variety
erythrospermum Koern. Spring type. Saline tolerant.
- 427296. VIR 13558.** Uzbek SSR. Received as variety *alborubrainfe*. Winter
 type. Saline tolerant.
- 427297. AVENA SATIVA L. Poaceae. Common oat.**
 From England. Seed donated by G. Jenkins, Plant Breeding Institute, Cam-
 bridge. Numbered August 31, 1978.
 'Elf'.
- 427298. CITRULLUS LANATUS (Thunb.) Matsum. & Nakai**
Cucurbitaceae. Watermelon.
 From India. Seed presented by R. Rajendran, Indian Institute of Hortical-
 tural Research, Bangalore. Numbered August 31, 1978.
 'Arka Tinda'.
- 427299. GOSSYPIUM ROBINSONII F. Muell. Malvaceae.**
 From Australia. Seed donated by Kings Park Botanic Garden, Perth. Num-
 bered August 31, 1978.
 W 1856. Kings Park No. 3473.
- 427300 to 428344.**
 From United States. Seed presented by B. L. Johnson, Department of Plant
 Sciences, University of California, Riverside, California. Numbered
 August 21, 1978.
- 427300 to 427442. TRITICUM ARARATICUM Jakubz. Poaceae.**
- 427300. G1726.** Originally from Azerbaijan (K-39098), presented by
 the Institute of Plant Breeding, Leningrad, USSR.
- 427301. G1727.** Originally from Armenia (K-28132), presented by the
 Institute of Plant Breeding, Leningrad, USSR.
- 427302. G1762.** Originally from Azerbaijan (K-30210), presented by
 the Institute of Plant Breeding, Leningrad, USSR.
- 427303. G1763.** Originally from Azerbaijan (K-30240), presented by
 the Institute of Plant Breeding, Leningrad, USSR.
- 427304. G1764.** Originally from Armenia (K-30258), presented by the
 Institute of Plant Breeding, Leningrad, USSR.
- 427305. G1765.** Originally from Azerbaijan (K-31121). Presented by
 the Institute of Plant Breeding, Leningrad, USSR.
- 427306. G2193.** Originally from Iraq, 1.0 km northeast of Salahadin.
 Elevation 1100 m.
- 427307. G2196.** Originally from Iraq, 1.0 km northeast of Salahadin.
 Elevation 1100 m.
- 427308. G2197.** Originally from Iraq, 1.0 km northeast of Salahadin.
 Elevation 1100 m.

427300 to 428344—Continued**427300 to 427442—Continued**

427309. G2198. Originally from Iraq, 1.0 km northeast of Salahadin.
Elevation 1100 m.
427310. G2199. Originally from Iraq, 1.0 km northeast of Salahadin.
Elevation 1100 m.
427311. G2202. Originally from Iraq, 1.0 km northeast of Salahadin.
Elevation 1100 m.
427312. G2204. Originally from Iraq, 1.0 km northeast of Salahadin.
Elevation 1100 m.
427313. G2206. Originally from Iraq, 1.0 km northeast of Salahadin.
Elevation 1100 m.
427314. G2207. Originally from Iraq, 1.0 km northeast of Salahadin.
Elevation 1100 m.
427315. G2211. Originally from Iraq, 1.0 km northeast of Salahadin.
Elevation 1100 m.
427316. G2215. Originally from Iraq, 1.0 km northeast of Salahadin.
Elevation 1100 m.
427317. G2238. Originally from Iraq, 1.0 km northeast of Salahadin.
Elevation 1100 m.
427318. G2242. Originally from Iraq, 2.0 km northwest of Salahadin.
Elevation 1100 m.
427319. G2244. Originally from Iraq, 2.0 km northwest of Salahadin.
Elevation 1100 m.
427320. G2246. Originally from Iraq, 2.0 km northwest of Salahadin.
Elevation 1100 m.
427321. G2247. Originally from Iraq, 2.0 km northwest of Salahadin.
Elevation 1100 m.
427322. G2249. Originally from Iraq, 2.0 km northwest of Salahadin.
Elevation 1100 m.
427323. G2253. Originally from Iraq, 2.0 km northwest of Salahadin.
Elevation 1100 m.
427324. G2260. Originally from Iraq, 4.0 km northeast of Shaqlawa.
Elevation 1000 m.
427325. G2261. Originally from Iraq, 4.0 km northeast of Shaqlawa.
Elevation 1000 m.
427326. G2262. Originally from Iraq, 4.0 km northeast of Shaqlawa.
Elevation 1000 m.
427327. G2263. Originally from Iraq, 4.0 km northeast of Shaqlawa.
Elevation 1000 m.
427328. G2264. Originally from Iraq, 4.0 km northeast of Shaqlawa.
Elevation 1000 m.
427329. G2266. Originally from Iraq, 4.0 km northeast of Shaqlawa.
Elevation 1000 m.
427330. G2269. Originally from Iraq, 4.0 km northeast of Shaqlawa.
Elevation 1000 m.

427300 to 428344—Continued**427300 to 427442—Continued**

427331. G2271. Originally from Iraq, 4.0 km northeast of Shaqlawa. Elevation 1000 m.
427332. G2272. Originally from Iraq, 4.0 km northeast of Shaqlawa. Elevation 1000 m.
427333. G2275. Originally from Iraq, 4.0 km northeast of Shaqlawa. Elevation 1000 m.
427334. G2276. Originally from Iraq, 4.0 km northeast of Shaqlawa. Elevation 1000 m.
427335. G2279. Originally from Iraq, 4.0 km northeast of Shaqlawa. Elevation 1000 m.
427336. G2282. Originally from Iraq, 4.0 km northeast of Shaqlawa. Elevation 1000 m.
427337. G2284. Originally from Iraq, 4.0 km northeast of Shaqlawa. Elevation 1000 m.
427338. G2298. Originally from Iraq, 7.0 km northeast of Shaqlawa. Elevation 1000 m.
427339. G2299. Originally from Iraq, 7.0 km northeast of Shaqlawa. Elevation 1000 m.
427340. G2300. Originally from Iraq, 7.0 km northeast of Shaqlawa. Elevation 1000 m.
427341. G2301. Originally from Iraq, 7.0 km northeast of Shaqlawa. Elevation 1000 m.
427342. G2304. Originally from Iraq, 7.0 km northeast of Shaqlawa. Elevation 1000 m.
427343. G2314. Originally from Iraq, 21.0 km south of Harir. Elevation 1000 m.
427344. G2326. Originally from Iraq, 21.0 km south of Harir. Elevation 1000 m.
427345. G2331. Originally from Iraq, 21.0 km south of Harir. Elevation 1000 m.
427346. G2356. Originally from Iraq, 13.0 west of Shaqlawa. Elevation 1000 m.
427347. G2363. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427348. G2383. Originally from Iraq, 24.0 km northeast of Dohuk. Elevation 950 m.
427349. G2409. Originally from Iraq, 6.0 km east of Suara Tuka. Elevation 1050 m.
427350. G2422. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.
427351. G2426. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.
427352. G2427. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.

427300 to 428344—Continued**427300 to 427442—Continued**

427353. G2431. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.
427354. G2472. Originally from Iraq, 41 km northwest of Sulaimaniya. Elevation 780 m.
427355. G2473. Originally from Iraq, 41 km northwest of Sulaimaniya. Elevation 780 m.
427356. G2476. Originally from Iraq, 43 km northwest of Sulaimaniya. Elevation 800 m.
427357. G2477. Originally from Iraq, 43 km northwest of Sulaimaniya. Elevation 800 m.
427358. G2479. Originally from Iraq, 43 km northwest of Sulaimaniya. Elevation 800 m.
427359. G2480. Originally from Iraq, 43 km northwest of Sulaimaniya. Elevation 800 m.
427360. G2490. Originally from Iraq, 16 km east of Sulaimaniya. Elevation 1300 m.
427361. G2491. Originally from Iraq, 16 km east of Sulaimaniya. Elevation 1300 m.
427362. G2493. Originally from Iraq, 19 km east of Sulaimaniya. Elevation 1050 m.
427363. G2494. Originally from Iraq, 19 km east of Sulaimaniya. Elevation 1050 m.
427364. G2507. Originally from Iraq, 14 km south of Sulaimaniya. Elevation 850 m.
427365. G2541. Originally from Iran, 40 km northwest of Shahabad.
427366. G2542. Originally from Iran, 40 km northwest of Shahabad.
427367. G2543. Originally from Iran, 40 km northwest of Shahabad.
427368. G2545. Originally from Iran, 40 km northwest of Shahabad.
427369. G2546. Originally from Iran, 40 km northwest of Shahabad.
427370. G2547. Originally from Iran, 40 km northwest of Shahabad.
427371. G2548. Originally from Iran, 40 km northwest of Shahabad.
427372. G2556. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427373. G2557. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427374. G2559. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427375. G2560. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427376. G2561. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427377. G2564. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.

427300 to 428344—Continued**427300 to 427442—Continued**

427378. G2567. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427379. G2572. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427380. G2580. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427381. G2581. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427382. G2583. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427383. G2607. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427384. G2613. Originally from Iraq, 2 km northwest of Salahadin.
Elevation 1100 m.
427385. G2617. Originally from Iraq, 2 km northwest of Salahadin.
Elevation 1100 m.
427386. G2619. Originally from Iraq, 2 km northwest of Salahadin.
Elevation 1100 m.
427387. G2621. Originally from Iraq, 2 km northwest of Salahadin.
Elevation 1100 m.
427388. G2624. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.
427389. G2626. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.
427390. G2628. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.
427391. G2630. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.
427392. G2631. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.
427393. G2632. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.
427394. G2634. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.
427395. G2638. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.
427396. G2639. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.
427397. G2642. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.
427398. G2643. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.
427399. G2660. Originally from Iraq, 7 km northeast of Shaqlawa.
Elevation 1000 m.

427300 to 428344—Continued**427300 to 427442—Continued**

427400. G2662. Originally from Iraq, 7 km northeast of Shaqlawa. Elevation 1000 m.
427401. G2663. Originally from Iraq, 7 km northeast of Shaqlawa. Elevation 1000 m.
427402. G2664. Originally from Iraq, 7 km northeast of Shaqlawa. Elevation 1000 m.
427403. G2665. Originally from Iraq, 7 km northeast of Shaqlawa. Elevation 1000 m.
427404. G2670. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427405. G2672. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427406. G2677. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427407. G2678. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427408. G2751. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427409. G2760. Originally from Iraq, 2 km west of Suara Tuka. Elevation 1250 m.
427410. G2772. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.
427411. G2773. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.
427412. G2775. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.
427413. G2776. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.
427414. G2777. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.
427415. G2779. Originally from Iraq, 3 to km west of Mazorka Gorge. Elevation 1150 m.
427416. G2780. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.
427417. G2781. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.
427418. G2785. Originally from Iraq, between Zawita and Suara Tuka.
427419. G2787. Originally from Iraq, between Zawita and Suara Tuka.
427420. G2790. Originally from Iraq, between Zawita and Suara Tuka.
427421. G2791. Originally from Iraq, between Zawita and Suara Tuka.
427422. G2792. Originally from Iraq, between Zawita and Suara Tuka.
427423. G2793. Originally from Iraq, between Zawita and Suara Tuka.
427424. G2794. Originally from Iraq, between Zawita and Suara Tuka.
427425. G2796. Originally from Iraq, between Zawita and Suara Tuka.

427300 to 428344—Continued**427300 to 427442—Continued**

427426. G2798. Originally from Iraq, between Zawita and Suara Tuka.
 427427. G2800. Originally from Iraq, between Zawita and Suara Tuka.
 427428. G2801. Originally from Iraq, between Zawita and Suara Tuka.
 427429. G2803. Originally from Iraq, between Zawita and Suara Tuka.
 427430. G2804. Originally from Iraq, between Zawita and Suara Tuka.
 427431. G2805. Originally from Iraq, between Zawita and Suara Tuka.
 427432. G2806. Originally from Iraq, between Zawita and Suara Tuka.
 427433. G2808. Originally from Iraq, between Zawita and Suara Tuka.
 427434. G2809. Originally from Iraq, between Zawita and Suara Tuka.
 427435. G2817. Originally from Iraq, 41 km northwest of Sulaimaniya.
 Elevation 780 m.
 427436. G2819. Originally from Iraq, 43 km northwest of Sulaimaniya.
 Elevation 800 m.
 427437. G2821. Originally from Iraq, 43 km northwest of Sulaimaniya.
 Elevation 800 m.
 427438. G2857. Originally from Iraq, 1 km northeast of Salahadin. Ele-
 vation 1100 m.
 427439. G2865. Originally from Iraq, 1 km northeast of Salahadin. Ele-
 vation 1100 m.
 427440. G2931. Originally from Turkey, 17 km south of Tunceli.
 427441. G3215. Originally from Iraq, 43 km northwest of Sulaimaniya.
 Elevation 800 m.
 427442. G3216. Originally from Iraq, 1 km northeast of Salahadin.
 Elevation 1100 m.
- 427443 to 428012. **TRITICUM BOEETICUM** Boiss. **Wild einkorn.**
 427443. G639. Originally from Turkey, 4 km south of Ayvalik.
 427444. G641. Originally from Turkey, 40 km southwest of Maras.
 427445. G642. Originally from Turkey, 25 km west of Tekirdagh.
 427446. G643. Originally from Ankara, Turkey.
 427447. G668. Originally from Reading University, England.
 427448. G982. Originally from Turkey, 29 km south of Malatya. Eleva-
 tion 1030 m.
 427449. G1016. Originally from Turkey, 8 km northeast of Cardak.
 427450. G1065. Originally from Turkey, 69 km northeast of Urfa. Ela-
 vation 620 m.
 427451. G1074. Originally from Turkey, 60 km west of Diyarbakir.
 Elevation 1300 m.
 427452. G1076. Originally from Turkey, 20 km northeast of Diyar-
 bakir. Elevation 720 m.
 427453. G1170. Originally from Turkey, 29 km south of Malatya. Ele-
 vation 1030 m.
 427454. G1172. Originally from Turkey, 29 km south of Malatya. Ele-
 vation 1030 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427455. G1173. Originally from Turkey, 29 km south of Malatya. Elevation 1030 m.
427456. G1174. Originally from Turkey, 38 km south of Malatya. Elevation 1010 m.
427457. G1194. Originally from Turkey, 49 km northwest of Kirsehir. Elevation 1080 m.
427458. G1195. Originally from Turkey, 69 km northwest of Kirsehir. Elevation 960 m.
427459. G1215. Originally from Turkey, 125 km southwest of Afyon. Elevation 1200 m.
427460. G1386. Originally from Turkey, 75 km southwest of Kutaya.
427461. G1485. Originally from Reading University, England.
427462. G1491. Originally from Reading University, England.
427463. G1723. Originally from Azerbaijan (K-30213), presented by Institute of Plant Breeding, Leningrad, USSR.
427464. G1724. Originally from Azerbaijan (K-28273), presented by Institute of Plant Breeding, Leningrad, USSR.
427465. G1725. Originally from Armenia (K-25811), presented by Institute of Plant Breeding, Leningrad, USSR.
427466. G1735. Originally from Crimea (K-18424), presented by Institute of Plant Breeding, Leningrad, USSR.
427467. G1755. Originally from Azerbaijan (K-28239), presented by Institute of Plant Breeding, Leningrad, USSR.
427468. G1756. Originally from Azerbaijan (K-28273), presented by Institute of Plant Breeding, Leningrad, USSR.
427469. G1758. Originally from Azerbaijan (K-30213), presented by Institute of Plant Breeding, Leningrad, USSR.
427470. G1769. Originally from Turkey, 19.8 km west of Kiziltepe. Elevation 620 m.
427471. G1770. Originally from Turkey, 19.8 km west of Kiziltepe. Elevation 620 m.
427472. G1771. Originally from Turkey, 19.8 km west of Kiziltepe. Elevation 620 m.
427473. G1772. Originally from Turkey, 19.8 km west of Kiziltepe. Elevation 620 m.
427474. G1773. Originally from Turkey, 19.8 km west of Kiziltepe. Elevation 620 m.
427475. G1774. Originally from Turkey, 19.8 km west of Kiziltepe. Elevation 620 m.
427476. G1775. Originally from Turkey, 19.8 km west of Kiziltepe. Elevation 620 m.
427477. G1776. Originally from Turkey, 19.8 km west of Kiziltepe. Elevation 620 m.
427478. G1777. Originally from Turkey, 31.4 km west of Kiziltepe. Elevation 600 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427479. G1778. Originally from Turkey, 31.4 km west of Kiziltepe.
Elevation 600 m.
427480. G1779. Originally from Turkey, 41.1 km west of Kiziltepe.
Elevation 600 m.
427481. G1781. Originally from Turkey, 41.1 km west of Kiziltepe.
Elevation 600 m.
427482. G1783. Originally from Turkey, 44.5 km west of Kiziltepe.
Elevation 600 m.
427483. G1784. Originally from Turkey, 44.5 km west of Kiziltepe.
Elevation 600 m.
427484. G1793. Originally from Turkey, 44.5 km west of Kiziltepe.
Elevation 600 m.
427485. G1796. Originally from Turkey, 44.5 km west of Kiziltepe.
Elevation 600 m.
427486. G1800. Originally from Turkey, 45.9 km west of Kiziltepe.
Elevation 600 m.
427487. G1801. Originally from Turkey, 45.9 km west of Kiziltepe.
Elevation 600 m.
427488. G1803. Originally from Turkey, 45.9 km west of Kiziltepe.
Elevation 600 m.
427489. G1804. Originally from Turkey, 45.9 km west of Kiziltepe.
Elevation 600 m.
427490. G1806. Originally from Turkey, 45.9 km west of Kiziltepe.
Elevation 600 m.
427491. G1807. Originally from Turkey, 45.9 km west of Kiziltepe.
Elevation 600 m.
427492. G1808. Originally from Turkey, 45.9 km west of Kiziltepe.
Elevation 600 m.
427493. G1809. Originally from Turkey, 45.9 km west of Kiziltepe.
Elevation 600 m.
427494. G1814. Originally from Turkey, 45.9 km west of Kiziltepe.
Elevation 600 m.
427495. G1815. Originally from Turkey, 45.9 km west of Kiziltepe.
Elevation 600 m.
427496. G1816. Originally from Turkey, 45.9 km west of Kiziltepe.
Elevation 600 m.
427497. G1823. Originally from Turkey, 53.8 km west of Kiziltepe.
Elevation 625 m.
427498. G1835. Originally from Turkey, 53.8 km west of Kiziltepe.
Elevation 625 m.
427499. G1838. Originally from Turkey, 53.8 km west of Kiziltepe.
Elevation 625 m.
427500. G1842. Originally from Turkey, 53.8 km west of Kiziltepe.
Elevation 625 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427501. G1845. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
427502. G1846. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
427503. G1847. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
427504. G1848. Originally from Turkey, 54.1 km west of Kiziltepe. Elevation 625 m.
427505. G1849. Originally from Turkey, 54.1 km west of Kiziltepe. Elevation 625 m.
427506. G1850. Originally from Turkey, 54.1 km west of Kiziltepe. Elevation 625 m.
427507. G1851. Originally from Turkey, 54.1 km west of Kiziltepe. Elevation 625 m.
427508. G1852. Originally from Turkey, 63 km west of Kiziltepe. Elevation 625 m.
427509. G1853. Originally from Turkey, 80.5 km west of Kiziltepe. Elevation 670 m.
427510. G1854. Originally from Turkey, 80.5 km west of Kiziltepe. Elevation 670 m.
427511. G1855. Originally from Turkey, 80.5 km west of Kiziltepe. Elevation 670 m.
427512. G1856. Originally from Turkey, 80.5 km west of Kiziltepe. Elevation 670 m.
427513. G1857. Originally from Turkey, 80.5 km west of Kiziltepe. Elevation 670 m.
427514. G1859. Originally from Turkey, 80.5 km west of Kiziltepe. Elevation 670 m.
427515. G1860. Originally from Turkey, 80.5 km west of Kiziltepe. Elevation 670 m.
427516. G1861. Originally from Turkey, 80.5 km west of Kiziltepe. Elevation 670 m.
427517. G1862. Originally from Turkey, 80.5 km west of Kiziltepe. Elevation 670 m.
427518. G1866. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427519. G1867. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427520. G1869. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427521. G1870. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427522. G1871. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427523. G1872. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427524. G1873. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427525. G1875. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427526. G1877. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427527. G1878. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427528. G1879. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427529. G1880. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427530. G1881. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
427531. G1883. Originally from Turkey, 116 km west of Kiziltepe. Elevation 800 m.
427532. G1885. Originally from Turkey, 115 km west of Kiziltepe. Elevation 800 m.
427533. G1886. Originally from Turkey, 115 km west of Kiziltepe. Elevation 800 m.
427534. G1887. Originally from Turkey, 78.9 km west of Kiziltepe. Elevation 720 m.
427535. G1888. Originally from Turkey, 78.9 km west of Kiziltepe. Elevation 720 m.
427536. G1889. Originally from Turkey, 78.9 km west of Kiziltepe. Elevation 720 m.
427537. G1890. Originally from Turkey, 78.9 km west of Kiziltepe. Elevation 720 m.
427538. G1892. Originally from Turkey, 78.9 km west of Kiziltepe. Elevation 720 m.
427539. G1893. Originally from Turkey, 78.9 km west of Kiziltepe. Elevation 720 m.
427540. G1894. Originally from Turkey, 78.9 km west of Kiziltepe. Elevation 720 m.
427541. G1897. Originally from Turkey, 40.8 km east of Kiziltepe. Elevation 650 m.
427542. G1898. Originally from Turkey, 40.8 km east of Kiziltepe. Elevation 650 m.
427543. G1900. Originally from Turkey, 40.8 km east of Kiziltepe. Elevation 650 m.
427544. G1902. Originally from Turkey, 49.3 km east of Kiziltepe. Elevation 650 m.
427545. G1907. Originally from Turkey, 45.4 km east of Nusaybin.

427300 to 428344—Continued**427443 to 428012—Continued**

427546. G1910. Originally from Turkey, 49.6 km east of Nusaybin. Elevation 750 m.
427547. G1911. Originally from Turkey, 49.6 km east of Nusaybin. Elevation 750 m.
427548. G1912. Originally from Turkey, 49.6 km east of Nusaybin. Elevation 750 m.
427549. G1913. Originally from Turkey, 50.2 km east of Nusaybin. Elevation 750 m.
427550. G1914. Originally from Turkey, 50.2 km east of Nusaybin. Elevation 750 m.
427551. G1915. Originally from Turkey, 50.2 km east of Nusaybin. Elevation 750 m.
427552. G1916. Originally from Turkey, 41.3 km east of Nusaybin. Elevation 850 m.
427553. G1917. Originally from Turkey, 41.3 km east of Nusaybin. Elevation 850 m.
427554. G1918. Originally from Turkey, 60.5 km east of Nusaybin. Elevation 1050 m.
427555. G1919. Originally from Turkey, 62.2 km east of Nusaybin. Elevation 1050 m.
427556. G1921. Originally from Turkey, 97.1 km east of Nusaybin. Elevation 760 m.
427557. G1922. Originally from Turkey, 34.9 km west of Idil. Elevation 1000 m.
427558. G1923. Originally from Turkey, 34.9 km west of Idil. Elevation 1000 m.
427559. G1924. Originally from Turkey, 2.9 km west of Viransehir. Elevation 600 m.
427560. G1925. Originally from Turkey, 2.9 km west of Viransehir. Elevation 600 m.
427561. G1926. Originally from Turkey, 2.9 km west of Viransehir. Elevation 600 m.
427562. G1927. Originally from Turkey, 2.9 km west of Viransehir. Elevation 600 m.
427563. G1928. Originally from Turkey, 2.9 km west of Viransehir. Elevation 600 m.
427564. G1929. Originally from Turkey, 2.9 km west of Viransehir. Elevation 600 m.
427565. G1932. Originally from Turkey, 2.9 km west of Viransehir. Elevation 600 m.
427566. G1934. Originally from Turkey, 2.9 km west of Viransehir. Elevation 600 m.
427567. G1935. Originally from Turkey, 2.9 km west of Viransehir. Elevation 600 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427568. G1968. Originally from Turkey, 5.9 km east of Urfa. Elevation 660 m.
427569. G1974. Originally from Turkey, 25.9 km east of Urfa. Elevation 760 m.
427570. G1975. Originally from Turkey, 25.9 km east of Urfa. Elevation 760 m.
427571. G1976. Originally from Turkey, 33 km east of Urfa. Elevation 760 m.
427572. G1977. Originally from Turkey, 33 km east of Urfa. Elevation 760 m.
427573. G1978. Originally from Turkey, 33 km east of Urfa. Elevation 760 m.
427574. G1979. Originally from Turkey, 38.2 km east of Urfa. Elevation 800 m.
427575. G1981. Originally from Turkey, 38.2 km east of Urfa. Elevation 800 m.
427576. G1982. Originally from Turkey, 38.2 km east of Urfa. Elevation 800 m.
427577. G1983. Originally from Turkey, 38.2 km east of Urfa. Elevation 800 m.
427578. G1984. Originally from Turkey, 38.2 km east of Urfa. Elevation 800 m.
427579. G1985. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427580. G1986. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427581. G1987. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427582. G1988. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427583. G1989. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427584. G1991. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427585. G1992. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427586. G1995. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427587. G1996. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427588. G1997. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427589. G1998. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427590. G1999. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427591. G2001. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427592. G2003. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427593. G2004. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427594. G2005. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427595. G2006. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427596. G2007. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427597. G2008. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427598. G2009. Originally from Turkey, 52.5 km east of Urfa, near Hilvan. Elevation 650 m.
427599. G2012. Originally from Turkey, 62 to 71.9 km east of Urfa.
427600. G2013. Originally from Turkey, 62 to 71.9 km east of Urfa.
427601. G2014. Originally from Turkey, 62 to 71.9 km east of Urfa.
427602. G2015. Originally from Turkey, 62 to 71.9 km east of Urfa.
427603. G2016. Originally from Turkey, 62 to 71.9 km east of Urfa.
427604. G2017. Originally from Turkey, 62 to 71.9 km east of Urfa.
427605. G2018. Originally from Turkey, 62 to 71.9 km east of Urfa.
427606. G2019. Originally from Turkey, 62 to 71.9 km east of Urfa.
427607. G2022. Originally from Turkey, 62 to 71.9 km east of Urfa.
427608. G2023. Originally from Turkey, 62 to 71.9 km east of Urfa.
427609. G2024. Originally from Turkey, 62 to 71.9 km east of Urfa.
427610. G2025. Originally from Turkey, 62 to 71.9 km east of Urfa.
427611. G2026. Originally from Turkey, 62 to 71.9 km east of Urfa.
427612. G2027. Originally from Turkey, 62 to 71.9 km east of Urfa.
427613. G2028. Originally from Turkey, 62 to 71.9 km east of Urfa.
427614. G2029. Originally from Turkey, 62 to 71.9 km east of Urfa.
427615. G2030. Originally from Turkey, 62 to 71.9 km east of Urfa.
427616. G2031. Originally from Turkey, 62 to 71.9 km east of Urfa.
427617. G2032. Originally from Turkey, 62 to 71.9 km east of Urfa.
427618. G2033. Originally from Turkey, 62 to 71.9 km east of Urfa.
427619. G2034. Originally from Turkey, 16 km east of Siverek. Elevation 1050 m.
427620. G2036. Originally from Turkey, 16 km east of Siverek. Elevation 1050 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427621. G2037. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 m.
427622. G2149. Originally from Turkey, 52.5 km west of Diyarbakir, in the Karakadaj. Elevation 1400 m.
427623. G2150. Originally from Turkey, 52.5 km west of Diyarbakir, in the Karakadaj. Elevation 1400 m.
427624. G2151. Originally from Turkey, 52.5 km west of Diyarbakir, in the Karakadaj. Elevation 1400 m.
427625. G2152. Originally from Turkey, 52.5 km west of Diyarbakir, in the Karakadaj. Elevation 1400 m.
427626. G2157. Originally from Turkey, 52.5 km west of Diyarbakir, in the Karakadaj. Elevation 1400 m.
427627. G2158. Originally from Turkey, 52.5 km west of Diyarbakir, in the Karakadaj. Elevation 1400 m.
427628. G2169. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 m.
427629. G2170. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 m.
427630. G2171. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 m.
427631. G2172. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 m.
427632. G2173. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 m.
427633. G2174. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 m.
427634. G2175. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 m.
427635. G2177. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 m.
427636. G2178. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 m.
427637. G2203. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427638. G2205. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427639. G2212. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427640. G2213. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427641. G2214. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427642. G2218. Originally from Iraq 1 km northeast of Salahadin. Elevation 1100 m.

427300 to 428344—Continued

427443 to 428012—Continued

427643. G2219. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427644. G2220. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427645. G2221. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427646. G2222. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427647. G2223. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427648. G2225. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427649. G2227. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427650. G2228. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427651. G2229. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427652. G2230. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427653. G2231. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427654. G2233. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427655. G2234. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427656. G2235. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427657. G2237. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427658. G2239. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427659. G2240. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427660. G2248. Originally from Iraq, 2 km northwest of Salahadin.
Elevation 1100 m.
427661. G2252. Originally from Iraq, 2 km northwest of Salahadin.
Elevation 1100 m.
427662. G2255. Originally from Iraq, 2 km northwest of Salahadin.
Elevation 1100 m.
427663. G2259. Originally from Iraq, 2 km northwest of Salahadin.
Elevation 1100 m.
427664. G2285. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427665. G2286. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427666. G2287. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427667. G2288. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427668. G2289. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427669. G2291. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427670. G2293. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427671. G2306. Originally from Iraq, 7 km northeast of Shaqlawa. Elevation 1000 m.
427672. G2307. Originally from Iraq, 7 km northeast of Shaqlawa. Elevation 1000 m.
427673. G2309. Originally from Iraq, 7 km northeast of Shaqlawa. Elevation 1000 m.
427674. G2311. Originally from Iraq, 7 km northeast of Shaqlawa. Elevation 1000 m.
427675. G2312. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427676. G2313. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427677. G2315. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427678. G2316. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427679. G2317. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427680. G2319. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427681. G2321. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427682. G2323. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427683. G2327. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427684. G2328. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427685. G2329. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427686. G2330. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.

427300 to 428344—Continued

427443 to 428012—Continued

427687. G2332. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427688. G2334. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427689. G2335. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427690. G2336. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427691. G2337. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427692. G2338. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427693. G2341. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427694. G2342. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427695. G2343. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427696. G2344. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427697. G2345. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427698. G2346. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427699. G2347. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427700. G2348. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427701. G2349. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427702. G2350. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427703. G2352. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427704. G2353. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427705. G2355. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427706. G2357. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427707. G2358. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427708. G2359. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.

427300 to 428344—Continued

427443 to 428012—Continued

427709. G2360. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427710. G2364. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427711. G2366. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427712. G2367. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427713. G2368. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427714. G2369. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427715. G2370. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427716. G2371. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427717. G2372. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427718. G2373. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427719. G2374. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427720. G2375. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427721. G2376. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427722. G2381. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427723. G2386. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427724. G2387. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427725. G2389. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427726. G2390. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427727. G2391. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427728. G2392. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427729. G2393. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427730. G2394. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427731. G2396. Originally from Iraq, 24 km northeast of Dohuk.
Elevation 950 m.
427732. G2397. Originally from Iraq, 24 km northeast of Dohuk.
Elevation 950 m.
427733. G2398. Originally from Iraq, 24 km northeast of Dohuk.
Elevation 950 m.
427734. G2400. Originally from Iraq, 2 km west of Suara Tuka.
Elevation 1250 m.
427735. G2401. Originally from Iraq, 2 km west of Suara Tuka.
Elevation 1250 m.
427736. G2402. Originally from Iraq, 2 km west of Suara Tuka.
Elevation 1250 m.
427737. G2403. Originally from Iraq, 2 km west of Suara Tuka.
Elevation 1250 m.
427738. G2406. Originally from Iraq, 2 km west of Suara Tuka.
Elevation 1250 m.
427739. G2407. Originally from Iraq, 2 km west of Suara Tuka.
Elevation 1250 m.
427740. G2408. Originally from Iraq, 2 km west of Suara Tuka.
Elevation 1250 m.
427741. G2420. Originally from Iraq, 6 km east of Suara Tuka.
Elevation 1050 m.
427742. G2421. Originally from Iraq, 6 km east of Suara Tuka.
Elevation 1050 m.
427743. G2435. Originally from Iraq, 3 to 4 km west of Mazorka Gorge.
Elevation 1150 m.
427744. G2436. Originally from Iraq, between Zawita and Suara Tuka.
427745. G2437. Originally from Iraq, between Zawita and Suara Tuka.
427746. G2438. Originally from Iraq, between Zawita and Suara Tuka.
427747. G2439. Originally from Iraq, between Zawita and Suara Tuka.
427748. G2440. Originally from Iraq, between Zawita and Suara Tuka.
427749. G2441. Originally from Iraq, between Zawita and Suara Tuka.
427750. G2443. Originally from Iraq, between Zawita and Suara Tuka.
427751. G2444. Originally from Iraq, between Zawita and Suara Tuka.
427752. G2445. Originally from Iraq, between Zawita and Suara Tuka.
427753. G2447. Originally from Iraq, between Zawita and Suara Tuka.
427754. G2449. Originally from Iraq, between Zawita and Suara Tuka.
427755. G2450. Originally from Iraq, between Zawita and Suara Tuka.
427756. G2451. Originally from Iraq, between Zawita and Suara Tuka.
427757. G2452. Originally from Iraq, between Zawita and Suara Tuka.
427758. G2453. Originally from Iraq, between Zawita and Suara Tuka.
427759. G2455. Originally from Iraq, between Zawita and Suara Tuka.
427760. G2456. Originally from Iraq, between Zawita and Suara Tuka.

427300 to 428344—Continued

427443 to 428012—Continued

427761. G2458. Originally from Iraq, between Zawita and Suara Tuka.
427762. G2459. Originally from Iraq, between Zawita and Suara Tuka.
427763. G2460. Originally from Iraq, between Zawita and Suara Tuka.
427764. G2462. Originally from Iraq, between Zawita and Suara Tuka.
427765. G2463. Originally from Iraq, between Zawita and Suara Tuka.
427766. G2464. Originally from Iraq, between Zawita and Suara Tuka.
427767. G2465. Originally from Iraq, between Zawita and Suara Tuka.
427768. G2466. Originally from Iraq, between Zawita and Suara Tuka.
427769. G2467. Originally from Iraq, 15 to 26 km northwest of Sulaimaniya.
427770. G2468. Originally from Iraq, 15 to 26 km northwest of Sulaimaniya.
427771. G2469. Originally from Iraq, 15 to 26 km northwest of Sulaimaniya.
427772. G2470. Originally from Iraq, 15 to 26 km northwest of Sulaimaniya.
427773. G2471. Originally from Iraq, 15 to 26 km northwest of Sulaimaniya.
427774. G2474. Originally from Iraq, 41 km northwest of Sulaimaniya. Elevation 780 m.
427775. G2478. Originally from Iraq, 43 km northwest of Sulaimaniya. Elevation 800 m.
427776. G2481. Originally from Iraq, 43 km northwest of Sulaimaniya. Elevation 800 m.
427777. G2482. Originally from Iraq, 43 km northwest of Sulaimaniya. Elevation 800 m.
427778. G2483. Originally from Iraq, 43 km northwest of Sulaimaniya. Elevation 800 m.
427779. G2485. Originally from Iraq, 44 km northwest of Sulaimaniya. Elevation 700 m.
427780. G2486. Originally from Iraq, 44 km northwest of Sulaimaniya. Elevation 700 m.
427781. G2489. Originally from Iraq, 25 km northwest of Sulaimaniya. Elevation 800 m.
427782. G2498. Originally from Iraq, 25 km east of Sulaimaniya. Elevation 960 m.
427783. G2499. Originally from Iraq, 25 km east of Sulaimaniya. Elevation 960 m.
427784. G2501. Originally from Iraq, 10 km south of Sulaimaniya.
427785. G2505. Originally from Iraq, 12 km south of Sulaimaniya.
427786. G2508. Originally from Iraq, 14 km south of Sulaimaniya. Elevation 850 m.
427787. G2510. Originally from Iran, 5.5 km north of Bisotun. Elevation 1350 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427788. G2511. Originally from Iran, 5.5 km north of Bisotun. Elevation 1350 m.
427789. G2512. Originally from Iran, 5.5 km north of Bisotun. Elevation 1350 m.
427790. G2513. Originally from Iran, 5.5 km north of Bisotun. Elevation 1350 m.
427791. G2516. Originally from Iran, 5.5 km north of Bisotun. Elevation 1350 m.
427792. G2517. Originally from Iran, 5.5 km north of Bisotun. Elevation 1350 m.
427793. G2518. Originally from Iran, 5.5 km north of Bisotun. Elevation 1350 m.
427794. G2519. Originally from Iran, 5.5 km north of Bisotun. Elevation 1350 m.
427795. G2520. Originally from Iran, 5.5 km north of Bisotun. Elevation 1350 m.
427796. G2521. Originally from Iran, 34 km east of Kamiaran. Elevation 1900 m.
427797. G2522. Originally from Iran, 34 km east of Kamiaran. Elevation 1900 m.
427798. G2523. Originally from Iran, 34 km east of Kamiaran. Elevation 1900 m.
427799. G2524. Originally from Iran, 34 km east of Kamiaran. Elevation 1900 m.
427800. G2525. Originally from Iran, 34 km east of Kamiaran. Elevation 1900 m.
427801. G2527. Originally from Iran, 9 km northwest of Kermanshah. Elevation 1400 m.
427802. G2528. Originally from Iran, 9 km northwest of Kermanshah. Elevation 1400 m.
427803. G2529. Originally from Iran, 9 km northwest of Kermanshah. Elevation 1400 m.
427804. G2530. Originally from Iran, 9 km northwest of Kermanshah. Elevation 1400 m.
427805. G2531. Originally from Iran, 9 km northwest of Kermanshah. Elevation 1400 m.
427806. G2533. Originally from Iran, 9 km northwest of Kermanshah. Elevation 1400 m.
427807. G2534. Originally from Iran, 9 km northwest of Kermanshah. Elevation 1400 m.
427808. G2535. Originally from Iran, 9 km northwest of Kermanshah. Elevation 1400 m.
427809. G2537. Originally from Iran, 36 km northwest of Shahabad.
427810. G2540. Originally from Iran, 40 km northwest of Shahabad.

427300 to 428344—Continued**427443 to 428012—Continued**

427811. G2549. Originally from Iran, 6 km south of Shahabad. Elevation 1500 m.
427812. G2550. Originally from Iran, 6 km south of Shahabad. Elevation 1500 m.
427813. G2551. Originally from Iran, 21 km south of Shahabad. Elevation 1650 m.
427814. G2552. Originally from Iran, 6 km south of Shahabad. Elevation 1500 m.
427815. G2574. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427816. G2575. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427817. G2576. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427818. G2578. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427819. G2579. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427820. G2584. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427821. G2585. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427822. G2586. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427823. G2587. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427824. G2589. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427825. G2591. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427826. G2593. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427827. G2594. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427828. G2596. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427829. G2597. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427830. G2598. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427831. G2599. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427832. G2601. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427833. G2602. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427834. G2603. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427835. G2604. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427836. G2605. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427837. G2606. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427838. G2609. Originally from Iraq, 2 km northwest of Salahadin. Elevation 1100 m.
427839. G2610. Originally from Iraq, 2 km northwest of Salahadin. Elevation 1100 m.
427840. G2611. Originally from Iraq, 2 km northwest of Salahadin. Elevation 1100 m.
427841. G2620. Originally from Iraq, 2 km northwest of Salahadin. Elevation 1100 m.
427842. G2622. Originally from Iraq, 2 km northwest of Salahadin. Elevation 1100 m.
427843. G2649. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427844. G2650. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427845. G2651. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427846. G2652. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427847. G2654. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427848. G2655. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427849. G2656. Originally from Iraq, 4 km northeast of Shaqlawa. Elevation 1000 m.
427850. G2666. Originally from Iraq, 7 km northeast of Shaqlawa. Elevation 1000 m.
427851. G2667. Originally from Iraq, 7 km northeast of Shaqlawa. Elevation 1000 m.
427852. G2669. Originally from Iraq, 7 km northeast of Shaqlawa. Elevation 1000 m.
427853. G2679. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427854. G2680. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427855. G2682. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427856. G2683. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427857. G2684. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427858. G2685. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427859. G2686. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427860. G2687. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427861. G2688. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427862. G2689. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427863. G2691. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
427864. G2692. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427865. G2694. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427866. G2696. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427867. G2697. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427868. G2698. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427869. G2699. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427870. G2703. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427871. G2706. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427872. G2707. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427873. G2710. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427874. G2711. Originally from Iraq, 13 west of Shaqlawa. Elevation 1000 m.
427875. G2713. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427876. G2714. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427877. G2715. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427878. G2716. Originally from Iraq, 13 km west of Shaqlawa. Elevation 1000 m.
427879. G2718. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427880. G2720. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427881. G2721. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427882. G2722. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427883. G2723. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427884. G2724. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427885. G2725. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427886. G2726. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427887. G2727. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427888. G2728. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427889. G2729. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427890. G2730. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427891. G2731. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427892. G2732. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427893. G2733. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427894. G2734. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427895. G2735. Originally from Iraq, 5.5 km north of Dohuk. Elevation 750 m.
427896. G2738. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427897. G2739. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427898. G2740. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427899. G2741. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427900. G2742. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427901. G2743. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427902. G2744. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427903. G2745. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427904. G2746. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427905. G2747. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427906. G2748. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427907. G2749. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427908. G2750. Originally from Iraq, 24 km northeast of Dohuk. Elevation 950 m.
427909. G2752. Originally from Iraq, 2 km west of Suara Tuka. Elevation 1250 m.
427910. G2753. Originally from Iraq, 2 km west of Suara Tuka. Elevation 1250 m.
427911. G2754. Originally from Iraq, 2 km west of Suara Tuka. Elevation 1250 m.
427912. G2755. Originally from Iraq, 2 km west of Suara Tuka. Elevation 1250 m.
427913. G2756. Originally from Iraq, 2 km west of Suara Tuka. Elevation 1250 m.
427914. G2757. Originally from Iraq, 2 km west of Suara Tuka. Elevation 1250 m.
427915. G2758. Originally from Iraq, 2 km west of Suara Tuka. Elevation 1250 m.
427916. G2759. Originally from Iraq, 2 km west of Suara Tuka. Elevation 1250 m.
427917. G2761. Originally from Iraq, 6 km east of Suara Tuka. Elevation 1050 m.
427918. G2766. Originally from Iraq, 6 km east of Suara Tuka. Elevation 1050 m.
427919. G2768. Originally from Iraq, 6 km east of Suara Tuka. Elevation 1050 m.
427920. G2782. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427921. G2783. Originally from Iraq, 3 to 4 km west of Marorka Gorge. Elevation 1150 m.
427922. G2784. Originally from Iraq, 3 to 4 km west of Mazorka Gorge. Elevation 1150 m.
427923. G2811. Originally from Iraq, 15 to 26 km northwest of Sulaimaniya.
427924. G2812. Originally from Iraq, 15 to 26 km northwest of Sulaimaniya.
427925. G2813. Originally from Iraq, 15 to 26 km northwest of Sulaimaniya.
427926. G2814. Originally from Iraq, 15 to 26 km northwest of Sulaimaniya.
427927. G2824. Originally from Iraq, 43 km northwest of Sulaimaniya. Elevation 800 m.
427928. G2826. Originally from Iraq, 25 km northwest of Sulaimaniya. Elevation 800 m.
427929. G2827. Originally from Iraq, 25 km northwest of Sulaimaniya. Elevation 800 m.
427930. G2833. Originally from Iraq, 25 km northwest of Sulaimaniya. Elevation 960 m.
427931. G2834. Originally from Iraq, 25 km northwest of Sulaimaniya. Elevation 960 m.
427932. G2835. Originally from Iraq, 12 km south of Sulaimaniya.
427933. G2837. Originally from Iraq, 12 km south of Sulaimaniya.
427934. G2840. Originally from Iraq, 14 km south of Sulaimaniya. Elevation 850 m.
427935. G2841. Originally from Iraq, 44.5 km west of Kiziltepe. Elevation 600 m.
427936. G2846. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427937. G2849. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427938. G2850. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427939. G2852. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427940. G2858. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427941. G2859. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427942. G2862. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
427943. G2867. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.

427300 to 428344—Continued**427443 to 428012—Continued**

427944. G2868. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427945. G2869. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427946. G2870. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427947. G2872. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427948. G2873. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427949. G2874. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427950. G2875. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427951. G2876. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427952. G2877. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427953. G2878. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427954. G2879. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427955. G2882. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427956. G2883. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427957. G2884. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427958. G2885. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427959. G2886. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427960. G2887. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427961. G2892. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427962. G2893. Originally from Iraq, 1 km northeast of Salahadin.
Elevation 1100 m.
427963. G2894. Originally from Van, Turkey.
427964. G2895. Originally from Elasiğ-Bingöl, Turkey.
427965. G2896. Originally from Elasiğ-Bingöl, Turkey.
427966. G2898. Originally from Varto-Mus, Turkey.
427967. G2911. Originally from Mardin, Turkey.
427968. G2912. Originally from Karakeci-Urfa, Turkey.

427300 to 428344—Continued

427443 to 428012—Continued

427969. G2913. Originally from Silvan-Diyarbakir, Turkey.
427970. G2915. Originally from Siirt, Turkey.
427971. G2916. Originally from Van, Turkey.
427972. G2929. Originally from Balikesir-Ayvalik, Turkey.
427973. G2930. Originally from Kirsehir-Kaman, Turkey.
427974. G2933. Originally from Mardin-Midyat, Turkey.
427975. G2934. Originally from Siirt-Kurtala, Turkey.
427976. G2936. Originally from Gaziantep-Islahiye, Turkey.
427977. G2938. Originally from Turkey, 44 km west of Urfa.
427978. G2939. Originally from Urfa-Viransehir, Turkey.
427979. G2940. Originally from Urfa-Viransehir, Turkey.
427980. G2941. Originally from Mardin-Kiziltepe, Turkey.
427981. G2943. Originally from Mardin-Cizre, Turkey.
427982. G2947. Originally from Kutahya-Tarsanli, Turkey.
427983. G2948. Originally from Mardin-Cizre, Turkey.
427984. G2950. Originally from Siirt-Sirnak, Turkey.
427985. G2952. Originally from Cankiri-Cerkes, Turkey.
427986. G2954. Originally from Antalya-Elmali, Turkey.
427987. G2955. Originally from Nigde-Ulukisla, Turkey.
427988. G2956. Originally from Isparta-Yalvac, Turkey.
427989. G2960. Originally from Gaziantep-Islahiye, Turkey.
427990. G3114. Originally from Lebanon, between Kfarkouk and Aiha.
427991. G3115. Originally from Lebanon, between Kfarkouk and Aiha.
427992. G3116. Originally from Lebanon, between Kfarkouk and Aiha.
427993. G3117. Originally from Lebanon, between Kfarkouk and Aiha.
427994. G3118. Originally from Lebanon, between Kfarkouk and Aiha.
427995. G3119. Originally from Lebanon, between Kfarkouk and Aiha.
427996. G3120. Originally from Lebanon, between Kfarkouk and Aiha.
427997. G3121. Originally from Lebanon, between Kfarkouk and Aiha.
427998. G3122. Originally from Lebanon, between Kfarkouk and Aiha.
427999. G3123. Originally from Lebanon, between Kfarkouk and Aiha.
428000. G3124. Originally from Lebanon, between Kfarkouk and Aiha.
428001. G3125. Originally from Lebanon, between Kfarkouk and Aiha.
428002. G3126. Originally from Lebanon, between Kfarkouk and Aiha.
428003. G3207. Originally from Turkey, 10 km west of Ankara.
428004. G3208. Originally from Turkey, 10 km west of Ankara.
428005. G3209. Originally from Iraq, 7 km northeast of Shaqlawa.
Elevation 1000 m.
428006. G3213. Originally from Iraq, 4 km northeast of Shaqlawa.
Elevation 1000 m.

427300 to 428344—Continued**427443 to 428012—Continued**

428007. G3214. Originally from Iraq, 21 km south of Harir. Elevation 1000 m.
428008. G3219. Originally from Turkey, 45.4 km east of Nusaybin.
428009. G3222. Originally from Azerbaijan, southeast of Banazur, near Urdahli.
428010. G3223. Originally from Azerbaijan, southeast of Banazur, near Urdahli.
428011. G3224. Originally from Azerbaijan, east of Banazur, near Afendeler.
428012. G3225. Originally from Armenia, Atsvan, southeast of Yerevan.
- 428013 to 428145. *TRITICUM DICOCOIDES* (Koern. ex Aschers & Graebn) Aaronsohn Poaceae. **Wild emmer.**
428013. G647. Originally from Rosh Pinna, Galilee, Israel.
428014. G1377. Originally from Beit Meis, 20 km west of Jerusalem, Israel. Elevation 500 m.
428015. G1378. Originally from Israel, 3 km east of Safad. Elevation 700 m.
428016. G1392. Originally from Iran, 50 km west of Shahabad.
428017. G1395. Originally from Turkey, 40 km south of Maras. Elevation 800 m.
428018. G2041. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428019. G2043. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428020. G2046. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428021. G2047. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428022. G2049. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428023. G2050. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428024. G2051. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428025. G2052. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428026. G2055. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428027. G2058. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428028. G2059. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.

427300 to 428344—Continued**428013 to 428145—Continued**

428029. G2060. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428030. G2061. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428031. G2062. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428032. G2063. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428033. G2066. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428034. G2067. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428035. G2068. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428036. G2070. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 m.
428037. G2071. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428038. G2072. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428039. G2073. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428040. G2075. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428041. G2076. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428042. G2079. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428043. G2085. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428044. G2086. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428045. G2087. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428046. G2090. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428047. G2092. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428048. G2098. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428049. G2099. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428050. G2101. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.

427300 to 428344—Continued**428013 to 428145—Continued**

428051. G2103. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428052. G2104. Originally from Turkey, 36.2 km west of Diyarbakir in the Karakadaj. Elevation 1200 km.
428053. G2107. Originally from Turkey, 44.0 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428054. G2108. Originally from Turkey, 44.0 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428055. G2109. Originally from Turkey, 44.0 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428056. G2111. Originally from Turkey, 44.0 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428057. G2113. Originally from Turkey, 44.0 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428058. G2116. Originally from Turkey, 44.0 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428059. G2118. Originally from Turkey, 44.0 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428060. G2119. Originally from Turkey, 44.0 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428061. G2121. Originally from Turkey, 44.0 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428062. G2122. Originally from Turkey, 44.0 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428063. G2125. Originally from Turkey, 41 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428064. G2126. Originally from Turkey, 51 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428065. G2129. Originally from Turkey, 51 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428066. G2130. Originally from Turkey, 51 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428067. G2132. Originally from Turkey, 51 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428068. G2133. Originally from Turkey, 51 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428069. G2137. Originally from Turkey, 33.6 km west of Diyarbakir in the Karakadaj.
428070. G2138. Originally from Turkey, 33.6 km west of Diyarbakir in the Karakadaj.
428071. G2141. Originally from Turkey, 33.6 km west of Diyarbakir in the Karakadaj.
428072. G2142. Originally from Turkey, 33.6 km west of Diyarbakir in the Karakadaj.

427300 to 428344—Continued**428013 to 428145—Continued**

428073. G2143. Originally from Turkey, 33.6 km west of Diyarbakir in the Karakadaj.
428074. G2144. Originally from Turkey, 33.6 km west of Diyarbakir in the Karakadaj.
428075. G2146. Originally from Turkey, 33.6 km west of Diyarbakir in the Karakadaj.
428076. G2147. Originally from Turkey, 33.6 km west of Diyarbakir in the Karakadaj.
428077. G2159. Originally from Turkey, 52.5 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428078. G2160. Originally from Turkey, 52.5 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428079. G2161. Originally from Turkey, 52.5 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428080. G2162. Originally from Turkey, 52.5 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428081. G2163. Originally from Turkey, 52.5 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428082. G2164. Originally from Turkey, 52.5 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428083. G2166. Originally from Turkey, 52.5 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428084. G2168. Originally from Turkey, 52.5 km west of Diyarbakir in the Karakadaj. Elevation 1400 m.
428085. G2180. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 km.
428086. G2181. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 km.
428087. G2182. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 km.
428088. G2185. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 km.
428089. G2186. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 km.
428090. G2187. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 km.
428091. G2188. Originally from Turkey, 20.2 km east of Siverek. Elevation 1200 km.
428092. G2844. Originally from Turkey, 51 km west of Diyarbakir. Elevation 1400 m.
428093. G2994. Originally from Afula-Tiberias, Israel. Elevation 300 m.
428094. G2995. Originally from Afula-Tiberias, Israel. Elevation 300 m.
428095. G3008. Originally from Afula-Tiberias, Israel. Elevation 300 m.
428096. G3009. Originally from Afula-Tiberias, Israel. Elevation 300 m.

427300 to 428344—Continued**428013 to 428145—Continued**

428097. G3010. Originally from Korazin, Israel. One km east of junction to Almagor.
428098. G3011. Originally from Korazin, Israel. One km east of junction to Almagor.
428099. G3015. Originally from Korazin, Israel. One km east of junction to Almagor.
428100. G3018. Originally from Israel. Three km south of Rosh Pinna.
428101. G3019. Originally from Israel. Three km south of Rosh Pinna.
428102. G3020. Originally from Israel. Three km south of Rosh Pinna.
428103. G3021. Originally from Israel. Three km south of Rosh Pinna.
428104. G3022. Originally from Israel. Three km south of Rosh Pinna.
428105. G3028. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428106. G3029. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428107. G3030. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428108. G3031. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428109. G3032. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428110. G3033. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428111. G3034. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428112. G3036. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428113. G3039. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428114. G3040. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428115. G3041. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428116. G3043. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428117. G3044. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428118. G3047. Originally from Rosh Pinna, Israel. One to two km south towards Safad.
428119. G3049. Originally from Israel, city limits of Safad on road to Rosh Pinna.
428120. G3056. Originally from Israel, city limits of Safad on road to Rosh Pinna.
428121. G3057. Originally from Israel, city limits of Safad on road to Rosh Pinna.

427300 to 428344—Continued**428013 to 428145—Continued**

428122. G3058. Originally from Israel, city limits of Safad on road to Rosh Pinna.
428123. G3060. Originally from Israel, city limits of Safad on road to Rosh Pinna.
428124. G3061. Originally from Israel, city limits of Safad on road to Rosh Pinna.
428125. G3074. Originally from Outskirts of Rashaya, Lebanon. Elevation 1000 m.
428126. G3081. Originally from Outskirts of Rashaya, Lebanon. Elevation 1000 m.
428127. G3093. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428128. G3095. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428129. G3096. Originally from Oiha-Kfarkouk, Lebanon, above "sahlet".
428130. G3097. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428131. G3098. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428132. G3099. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428133. G3100. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428134. G3102. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428135. G3103. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428136. G3104. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428137. G3105. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428138. G3106. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428139. G3107. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428140. G3109. Originally from Aiha-Kfarkouk, Lebanon, above "sahlet".
428141. G3112. Originally from Lebanon, between Ain Ata and Ain Harsch.
428142. G3129. Originally from Lebanon, between Rashaya and Aiha. Elevation 1000 m.
428143. G3132. Originally from Lebanon, between Rashaya and Aiha. Elevation 1000 m.
428144. G3134. Originally from Lebanon, between Rashaya and Aiha. Elevation 1000 m.
428145. G3212. Originally from Turkey, 34.9 km west of Idil. Elevation 1000 km.

428146 to 428148. TRITICUM MACHA Dek. & Men. Poaceae.

428146. 532. Originally from the Royal Agriculture College, Uppsala, Sweden.
428147. 533. Originally from the Royal Agriculture College, Uppsala, Sweden.
428148. 1260. Originally from Hortus Botanicus. Stavropol, Union of Soviet Socialist Republics. Received as *T. aestivum subsp. macha*.

428149 to 428176. TRITICUM MONOCOCCUM L.

427300 to 428344—Continued**428149 to 428176—Continued**

428149. G367. Originally from the Swedish Seed Association, Svalof, Sweden.
428150. G806. Originally from the Gradina Botanica, Cluj, Romania.
428151. G863. Originally from the Institute Orto Botanico, Rome, Italy.
428152. G924. Originally from the Institute of Plant Growing, Sofia, Bulgaria.
428153. G1372. Origin unknown.
428154. G1391. Originally from Turkey, 26 km west of Tekirdagh.
428155. G1467. Originally from Reading University, England.
428156. G1471. Originally from Reading University, England.
428157. G1474. Originally from Reading University, England.
428158. G1481. Originally from Reading University, England.
428159. G1483. Originally from Reading University, England.
428160. G2900. Originally from Soma-Manisa, Turkey.
428161. G2901. Originally from Ezine-Canakkale, Turkey.
428162. G2902. Originally from Musakoy-Canakkale, Turkey.
428163. G2904. Originally from Lapseki, Turkey.
428164. G2905. Originally from Biga, Turkey.
428165. G2906. Originally from Gonen-Balikesir, Turkey.
428166. G2907. Originally from Gursu-Bursa, Turkey.
428167. G2908. Originally from Yarhisar-Bilecik, Turkey.
428168. G2909. Originally from Bursa, Turkey.
428169. G2910. Originally from Bursa, Turkey.
428170. G2919. Originally from Gelibolu, Turkey.
428171. G2920. Originally from Kesan-Edirne, Turkey.
428172. G2922. Originally from Ipsala, Turkey.
428173. G2924. Originally from Malkara-Tekirdag, Turkey.
428174. G2927. Originally from Ormankoy-Istanbul, Turkey.
428175. G2944. Originally from Canakkale-Lapseki, Turkey.
428176. G2946. Originally from Orhaneli-Erenliv, Turkey.

428177 to 428179. TRITICUM SPELTA L.

428177. 524. Originally from the Royal Agriculture College, Uppsala, Sweden.
428178. 866. Originally from the Institute Orto Botanico, Rome, Italy.
428179. 1569. Originally from Iran, near Isfahan. Elevation 1900 m.

428180 to 428341. TRITICUM URARTU Thum. ex Gandil

428180. G1734. Originally from Armenia (K-33870), presented by the Institute of Plant Breeding, Leningrad, USSR.
428181. G1753. Originally from Armenia (K-33870), presented by the Institute of Plant Breeding, Leningrad, USSR.
428182. G1754. Originally from Armenia (K-33871), presented by the Institute of Plant Breeding, Leningrad, USSR.

427300 to 428344—Continued**428180 to 428341—Continued**

428183. G1759. Originally from Armenia (K-33869), presented by the Institute of Plant Breeding, Leningrad, USSR.
428184. G1785. Originally from Turkey, 44.5 km west of Kiziltepe. Elevation 600 m.
428185. G1786. Originally from Turkey, 44.5 km west of Kiziltepe. Elevation 600 m.
428186. G1787. Originally from Turkey, 44.5 km west of Kiziltepe. Elevation 600 m.
428187. G1789. Originally from Turkey, 44.5 km west of Kiziltepe. Elevation 600 m.
428188. G1790. Originally from Turkey, 44.5 km west of Kiziltepe. Elevation 600 m.
428189. G1791. Originally from Turkey, 44.5 km west of Kiziltepe. Elevation 600 m.
428190. G1792. Originally from Turkey, 44.5 km west of Kiziltepe. Elevation 600 m.
428191. G1794. Originally from Turkey, 44.5 km west of Kiziltepe. Elevation 600 m.
428192. G1795. Originally from Turkey, 44.5 km west of Kiziltepe. Elevation 600 m.
428193. G1797. Originally from Turkey, 44.5 km west of Kiziltepe. Elevation 600 m.
428194. G1798. Originally from Turkey, 44.5 km west of Kiziltepe. Elevation 600 m.
428195. G1802. Originally from Turkey, 45.9 km west of Kiziltepe. Elevation 600 m.
428196. G1810. Originally from Turkey, 45.9 km west of Kiziltepe. Elevation 600 m.
428197. G1811. Originally from Turkey, 45.9 km west of Kiziltepe. Elevation 600 m.
428198. G1812. Originally from Turkey, 45.9 km west of Kiziltepe. Elevation 600 m.
428199. G1813. Originally from Turkey, 45.9 km west of Kiziltepe. Elevation 600 m.
428200. G1817. Originally from Turkey, 41.5 km west of Kiziltepe. Elevation 600 m.
428201. G1818. Originally from Turkey, 41.5 km west of Kiziltepe. Elevation 600 m.
428202. G1821. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428203. G1822. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428204. G1824. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.

427300 to 428344—Continued**428180 to 428341—Continued**

428205. G1825. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428206. G1826. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428207. G1827. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428208. G1828. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428209. G1829. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428210. G1830. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428211. G1831. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428212. G1832. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428213. G1833. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428214. G1834. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428215. G1836. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428216. G1839. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428217. G1841. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428218. G1843. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428219. G1844. Originally from Turkey, 53.8 km west of Kiziltepe. Elevation 625 m.
428220. G1865. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
428221. G1868. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
428222. G1876. Originally from Turkey, 83.8 km west of Kiziltepe. Elevation 670 m.
428223. G1895. Originally from Turkey, 78.9 km west of Kiziltepe. Elevation 720 m.
428224. G1899. Originally from Turkey, 40.8 km east of Kiziltepe. Elevation 625 m.
428225. G1903. Originally from Turkey, 49.3 km east of Kiziltepe. Elevation 625 m.
428226. G1904. Originally from Turkey, 49.3 km east of Kiziltepe. Elevation 625 m.
428227. G1905. Originally from Turkey, 45.4 km east of Nusaybin.

427300 to 428344—Continued**428180 to 428341—Continued**

428228. G1906. Originally from Turkey, 45.4 km east of Nusaybin.
428229. G1908. Originally from Turkey, 45.4 km east of Nusaybin.
428230. G1937. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428231. G1938. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428232. G1939. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428233. G1940. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428234. G1941. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428235. G1943. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428236. G1944. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428237. G1945. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428238. G1947. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428239. G1948. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428240. G1949. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428241. G1951. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428242. G1952. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428243. G1953. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428244. G1954. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428245. G1955. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428246. G1956. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428247. G1958. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428248. G1961. Originally from Turkey, 5.4 km south of Viransehir.
Elevation 600 m.
428249. G1965. Originally from Turkey, 28.8 km south of Urfa. Elevation
500 m.
428250. G1966. Originally from Turkey, 28.8 km south of Urfa. Elevation
500 m.

427300 to 428344—Continued**428180 to 428341—Continued**

428251. G1967. Originally from Turkey, 28.8 km south of Urfa. Elevation 500 m.
428252. G2035. Originally from Turkey, 16 km east of Siverek. Elevation 1050 m.
428253. G2582. Originally from Iraq, 1 km northeast of Salahadin. Elevation 1100 m.
428254. G2914. Originally from Mus, Turkey.
428255. G2949. Originally from Mardin-Nusaybin, Turkey.
428256. G2961. Originally from Turkey, 25 km south of Gaziantep.
428257. G2989. Originally from Armenian Academy of Science, Erevan, Armenia.
428258. G2990. Originally from Armenian Academy of Science, Erevan, Armenia.
428259. G2991. Originally from Armenian Academy of Science, Erevan, Armenia.
428260. G3135. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428261. G3140. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428262. G3141. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428263. G3142. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428264. G3143. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428265. G3144. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428266. G3145. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428267. G3148. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428268. G3150. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428269. G3151. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428270. G3152. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428271. G3154. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428272. G3155. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428273. G3156. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428274. G3157. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.

427300 to 428344—Continued**428180 to 428341—Continued**

428275. G3158. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428276. G3159. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428277. G3160. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428278. G3161. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428279. G3162. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428280. G3163. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428281. G3164. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428282. G3165. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428283. G3166. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428284. G3167. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428285. G3168. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428286. G3169. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428287. G3170. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428288. G3172. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428289. G3173. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428290. G3174. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428291. G3176. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428292. G3177. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428293. G3178. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428294. G3179. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428295. G3181. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428296. G3182. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.

427300 to 428344—Continued**428180 to 428341—Continued**

428297. G3183. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428298. G3184. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428299. G3185. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428300. G3187. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428301. G3188. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428302. G3189. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428303. G3190. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428304. G3193. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428305. G3194. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428306. G3195. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428307. G3196. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428308. G3197. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428309. G3199. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428310. G3200. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428311. G3201. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428312. G3202. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428313. G3204. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428314. G3205. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428315. G3206. Originally from Baal Bek-Bashari, Lebanon. Elevation 1000 m.
428316. G3220. Originally from Iran, 21 km south of Shahabad. Elevation 1650 m.
428317. G3221. Originally from Iran, 6 km south of Shahabad. Elevation 1131 m.
428318. G3227. Originally from Turkey, 62 km east of Urfa near Hilvan.
428319. G3244. Originally from Talia, Lebanon. Elevation 1030 m.
428320. G3246. Originally from Talia, Lebanon. Elevation 1030 m.

427300 to 428344—Continued**428180 to 428341—Continued**

- 428321. G3247. Originally from Talia, Lebanon. Elevation 1030 m.
- 428322. G3248. Originally from Talia, Lebanon. Elevation 1030 m.
- 428323. G3249. Originally from Kfardane, Lebanon. Elevation 1080 m.
- 428324. G3250. Originally from Kfardane, Lebanon. Elevation 1080 m.
- 428325. G3251. Originally from Kfardane, Lebanon. Elevation 1080 m.
- 428326. G3252. Originally from Kfardane, Lebanon. Elevation 1080 m.
- 428327. G3253. Originally from Kfardane, Lebanon. Elevation 1080 m.
- 428328. G3254. Originally from Kfardane, Lebanon. Elevation 1080 m.
- 428329. G3255. Originally from Kfardane, Lebanon. Elevation 1080 m.
- 428330. G3256. Originally from Kfardane, Lebanon. Elevation 1080 m.
- 428331. G3258. Originally from Kfardane, Lebanon. Elevation 1080 m.
- 428332. G3259. Originally from Kfardane, Lebanon. Elevation 1080 m.
- 428333. G3261. Originally from Iaat, Lebanon. Elevation 1050 m.
- 428334. G3262. Originally from Iaat, Lebanon. Elevation 1050 m.
- 428335. G3263. Originally from Iaat, Lebanon. Elevation 1050 m.
- 428336. G3264. Originally from Iaat, Lebanon. Elevation 1050 m.
- 428337. G3265. Originally from Iaat, Lebanon. Elevation 1050 m.
- 428338. G3267. Originally from Iaat, Lebanon. Elevation 1050 m.
- 428339. G3269. Originally from Iaat, Lebanon. Elevation 1050 m.
- 428340. G3270. Originally from Iaat, Lebanon. Elevation 1050 m.
- 428341. G3271. Originally from Iaat, Lebanon. Elevation 1050 m.

428342 and 428343. TRITICUM VAVILOVII Jakubz.

- 428342. 529. Originally from the Royal Agriculture College, Uppsala, Sweden.
- 428343. 530. Originally from the Royal Agriculture College, Uppsala, Sweden.

428344. TRITICUM ZHUKOVSKYI Men. & Er.

G987. Originally from the Institute of Plant Industry, Leningrad, Union of Soviet Socialist Republics.

428345 to 428348. AVENA SATIVA L. Poaceae. Common oat.

From Canada. Seed presented by Canada Agriculture Research Station, Winnipeg, Manitoba. Numbered August 31, 1978.

- 428345. M921. OT521. Spring type. Resistant to barley yellow dwarf virus.
- 428346. Omih 10. R.L.916. Spring type. Resistant to barley yellow dwarf virus.
- 428347. Omih 11. R.L.917. Spring type. Resistant to barley yellow dwarf virus.
- 428348. Omih 12. R.L.918. Spring type. Resistant to barley yellow dwarf virus.

428349. *AVENA SATIVA* L. Poaceae. **Common oat.**
 From Sweden. Seed presented by B. Mattsson, The Swedish Seed Association, Svalov. Numbered September 5, 1978.
 'Sun II'. 1976-855-1. Nematode resistant.
- 428350 to 428370.
 From People's Republic of China. Seed presented by Chih-lin Agriculture and Forestry Academy, Chih-lin, through P.L. Adkisson, Texas A & M University, College Station, Texas. Numbered September 5, 1978.
428350. *GOSSYPIUM HIRSUTUM* L. Malvaceae. **Cotton.**
 613.
- 428351 to 428363. *ORYZA SATIVA* L. Poaceae. **Rice.**
428351. No. 1. Dwarf. Early maturity.
 428352. Hunan 4. Dwarf. Early maturity.
 428353. Hunan 8. Dwarf. Early maturity.
 428354. Fu Hsuan 19. Shanghai selection. Late maturing.
 428355. From Shanghai.
 428356. From Shanghai.
 428357. From Shanghai.
 428358. From Shanghai.
 428359. From Shanghai.
 428360. From Shanghai.
 428361. From Shanghai.
 428362. From Shanghai.
 428363. From Shanghai.
- 428364 to 428369. *TRITICUM AESTIVUM* L. Poaceae. **Wheat.**
428364. 'Chang Chan'.
 428365. 'Feng Chun No. 2'.
 428366. 'Liao chun No. 6'. Kung chu ling.
 428367. 'Shao meh-yang meh No. 1'. Short stature.
 428368. 'Yuan meh 757'. Spring type.
 428369. 6028.
428370. *ZEA MAYS* L. Poaceae. **Corn.**
 Eng 46.
- 428371 to 428383.
 From Morocco. Seed presented by Dr. Benner, Institute de Recherche Agromique, Rabat. Received June 10, 1978.
- 428371 and 428372. *HORDEUM VULGARE* L. Poaceae. **Barley.**
428371. 89.
 428372. 071.
428373. *SECALE CEREALE* L. Poaceae. **Rye.**
 Petkus.
- 428374 to 428378. *TRITICUM AESTIVUM* L. Poaceae. **Wheat.**
428374. BT Potam. Semi-dwarf.

428384 to 428383—Continued**428374 to 428378—Continued**

428375. BT Nasma 149. Semi-dwarf.

428376. BT 908.

428377. BT Pinyte 2306. Tall.

428378. BT 3597.

428379 to 428383. TRITICUM DURUM Desf.**Durum wheat.**

428379. BD Cocorit. Originally from Mexico. Semi-dwarf.

428380. BD 1658.

428381. BD 2777 Kyperounda. Originally from Cyprus. Tall.

428382. BD 2909.

428383. BD 5271. Short.

428384 to 428469.

From Egypt. Seed presented by Ford Foundation, Agricultural Research Center, ICARDA, Cairo. Designations are for crop entry in the Eighth Regional Crossing Block 1977-1978. Numbered September 5, 1978.

428384 to 428413. HORDEUM VULGARE L. Poaceae.**Barley.**

428384. B1. Nepal barley—4502. Originally from Nepal.

428385. B3. Nepal barley—6314. Originally from Nepal.

428386. B5. Nepal barley—4002. Originally from Nepal.

428387. B6. Alger-Ceres. Originally from Tunisia.

428388. B7. Nepal barley—6307. Originally from Nepal.

428389. B8. Nepal barley—4501. Originally from Nepal.

428390. B9. Nepal barley—2901. Originally from Nepal.

428391. B10. Nepal barley—2908. Originally from Nepal.

428392. B33 Admugi. Originally from Korea. Six-row.

428393. B49. Saida. Originally from Algeria. Six-row.

428394. B83. Arabic Akhdar. Originally from Syria. Two-row.

428395. B86. Baladi Bahtim. Six-row.

428396. B99. Celaya. Originally from Mexico. Six-row.

428397. B109. Cumhuriet. Originally from Turkey. Two-row.

428398. B113. Fallidum Russia. Originally from USSR.

428399. B125. Jyoti. Originally from India. Six-row.

428400. B127. Martin. Originally from Tunisia. Six-row.

428401. B128. Mazorka. Two-row.

428402. B129. Maris Canon. Originally from England. Two-row.

428403. B131. Mosul 72. Originally from Iraq.

428404. B135. Porvenir. Originally from Mexico. Six-row.

428405. B137. Promesa. Originally from Mexico. Six-row.

428406. B141. Ratna. Originally from India. Six-row.

428407. B145. Svalof Mari. Originally from Sweden. Two-row.

428408. B148. Trikedritt. Originally from Syria. Six-row.

428409. B149. Vijay. Originally from India. Six-row.

428384 to 428469—Continued**428384 to 428413—Continued**

428410. B152. WI-2355 (Corvette). Originally from Australia.
428411. B156. Zoapila. Originally from Mexico. Six-row.
428412. B158. Salt Tolerant. Originally from USA. Six-row.
428413. B167. Sandra.
- 428414 to 428432. TRITICUM AESTIVUM L. Poaceae. Wheat.
428414. BW27. Cocoraque F75. Spring type.
428415. BW28. Cowbird 'S'. Spring type.
428416. BW34. Soltane (BT2296). II9975-68y-1j-6y-1y-3y. Spring type.
428417. BW63. Arvand. Rsh(Mt-Ky-my-48)5-46-137. Spring type.
428418. BW79. Bobito 'S'. Cno-8156xTob-Cno/Inia-1120-350. Spring type.
428419. BW90. Nova Prata (Winter).
428420. BW100. Chanate #2. Spring type.
428421. BW109. Pusa Florence. Spring type.
428422. BW110. Spring type.
428423. BW111. Rousalka. Spring type.
428424. BW123. Brochis 'S'. Cno-BbxCdl(7C/LR 64-Inia × Inia-Bb) CM5872-C-1y-1m-1y-4m-Oy. Spring type.
428425. BW124. Seyhan #4. Spring type.
428426. BW125. Flicker 'S'. WexCno-No66/Zbz CM8954-B-7m-1y-1m-Oy. Spring type.
428427. BW126. Nacazari F76 (Blue Jay 'S'). Tzpp-P1x7C. Spring type.
428428. BW127. Zaragoza 'S' 75. Spring type.
428429. BW129. Sapsucker. Spring type.
428430. BW130. Moncho 'S'. Spring type.
428431. BW132. Alondra. Spring type.
428432. BW133. Cleopatra. Spring type.
- 428433 to 428469. TRITICUM DURUM Desf. Durum wheat.
428433. DW6. Gerardo VZ 578.
428434. DW11. Roussia—BD 1419.
428435. D28
428436. DW29. Reichenbachi—BD1645. FAO 25-190.
428437. DW33. Badri. D-56-3A.
428438. DW35.
428439. DW36. Dickle 74 (Cocorit).
428440. DW41. Stork (Mexicali).
428441. DW43. Deir Alla-2.
428442. DW46. Amel. D24102-10y-3m-100y-Om.
428443. DW47. Flamingo 'S'.
428444. DW49.
428445. DW54. Kingfisher 'S'.

428384 to 428469—Continued**428433 to 428469—Continued**

- 428446. DW59. Kranich 'S'. CM199-29m-1y-1m-Oy.
- 428447. DW61. Rabi 'S'.
- 428448. DW62.
- 428449. DW63. Pinguino 'S'. D-28984-1y-1m-500y-500b-Oy.
- 428450. DW64. Crane 'S' D23055-56M-5y-1M-OY-82Y-OM.
- 428451. DW65. Ente 'S'. CM-32-7M-1Y-OM.
- 428452. DW66. Garza 'S'. D-22232-9M-2Y-2D-OH.
- 428453. DW67. Dommel 'S'. D-33674-500Y-500B-OY.
- 428454. DW68. Erpel 'S'. CD1247-D-7Y-1Y-1M-OY.
- 428455. DW73. Anhinga. D22234-52m-3y-1m-Oy.
- 428456. DW75. Castel del Monte. Mutant of Grifoni.
- 428457. DW76. Chapala-67. D14571-3R-12T-2R-1R.
- 428458. DW78. Egypt Local No. 8.
- 428459. DW80. Ganso 'S'.
- 428460. DW83. Haurani Nawawi.
- 428461. DW86. Jori 69.
- 428462. DW90. Maghrebi 72.
- 428463. DW91. Maristella. Cpt × Dauno III.
- 428464. DW92.
- 428465. DW95. Trinakria. Cpt × B14.
- 428466. DW96. Valsacco (Ggo 451).
- 428467. DW106. Valsacco.
- 428468. DW107. Jordan 38.
- 428469. DW108. Jordan 40.

428470 to 428549.

From France. Seed presented by D. Dhorne, Institute National de la Recherche Agronomique, Guyancourt. Numbered September 5, 1978.

- 428470 to 428478. AVENA SATIVA L. Poaceae. Common oat.
- 428470. 'Amandine'. Winter type.
- 428471. 'Cherie Noire'. Spring type.
- 428472. 'Cravache'. Spring type.
- 428473. 'Gambo'. Spring type.
- 428474. 'Margam'. Spring type.
- 428475. 'Maris Oberon'. Spring type.
- 428476. 'Marros'. Winter type.
- 428477. 'Tarra'. Spring type.
- 428478. 'Trevine'. Winter type.
- 428479 to 428499. HORDEUM VULGARE L. Poaceae. Barley.
- 428479. 'Arma'. Six-row. Winter type.
- 428480. 'Barbara'. Two-row. Spring type.

428470 to 428549—Continued

428479 to 428499—Continued

- 428481. 'Barbe Rousse'. Six-row. Winter type.
- 428482. 'Copelia'. Two-row. Spring type.
- 428483. 'Cornel'. Two-row. Spring type.
- 428484. 'Deister'. Two-row. Spring type.
- 428485. 'Gerbel'. Six-row. Winter type.
- 428486. 'Giorgie'. Two-row. Spring type.
- 428487. 'Gitane'. Two-row. Spring type.
- 428488. 'Igrî'. Two-row. Winter type.
- 428489. 'Luke'. Two-row. Spring type.
- 428490. 'Menuet'. Two-row. Spring type.
- 428491. 'Miranda'. Two-row. Spring type.
- 428492. 'Monarque'. Six-row. Winter type.
- 428493. 'Multum'. Two-row. Spring type.
- 428494. 'Neger'. Six-row. Winter type.
- 428495. 'Nudinka'. Two-row. Spring type.
- 428496. 'Pen'. Two-row. Spring type.
- 428497. 'Boxane'. Two-row. Spring type.
- 428498. 'Thibaut'. Six-row. Winter type.
- 428499. 'Welam'. Two-row. Spring type.

428500 to 428537. TRITICUM AESTIVUM L. Poaceae.

Wheat.

- 428500. 'Abo'. Winter type.
- 428501. 'Alto'. Winter type.
- 428502. 'Arkas'. Spring type.
- 428503. 'Arminda'. Winter type.
- 428504. 'Axel'. Winter type.
- 428505. 'Azur'. Spring type.
- 428506. 'Bastion'. Spring type.
- 428507. 'Bayard'. Spring type.
- 428508. 'Blason'. Winter type.
- 428509. 'Braco'. Winter type.
- 428510. 'Cassius'. Winter type.
- 428511. 'Castan'. Winter type.
- 428512. 'Caton'. Winter type.
- 428513. 'Champi'. Winter type.
- 428514. 'Choiseul'. Winter type.
- 428515. 'Cocagne'. Winter type.
- 428516. 'Copain'. Winter type.
- 428517. 'Fanion'. Winter type.
- 428518. 'Fleureus'. Winter type.
- 428519. 'Glanor'. Winter type.

428384 to 428469—Continued**428500 to 428537—Continued**

- 428520. 'Gamin'. Winter type.
- 428521. 'Hobbit'. Winter type.
- 428522. 'Magnus'. Spring type.
- 428523. 'Maris-Dove'. Spring type.
- 428524. 'Marite'. Winter type.
- 428525. 'Marius'. Winter type.
- 428526. 'Orepi'. Winter type.
- 428527. 'Pratos'. Spring type.
- 428528. 'Prinqual'. Spring type.
- 428529. 'Pronto'. Winter type.
- 428530. 'Protinal'. Winter type.
- 428531. 'Rafa'. Winter type.
- 428532. 'Reso'. Winter type.
- 428533. 'Rivoli'. Winter type.
- 428534. 'Rudi'. Winter type.
- 428535. 'Tempo'. Winter type.
- 428536. 'Trapp'. Spring type.
- 428537. 'Valmy'. Winter type.

428538 to 428549. TRITICUM DURUM Desf.**Durum wheat.**

- 428538. 'Benor'. Spring type.
- 428539. 'Blondur'. Spring type.
- 428540. 'Diabolo'. Spring type.
- 428541. 'Durgamm'. Spring type.
- 428542. 'Kidur'. Spring type.
- 428543. 'Mondur'. Spring type.
- 428544. 'Poinville'. Spring type.
- 428545. 'Presto'. Spring type.
- 428546. 'Prolixe'. Spring type.
- 428547. 'Safari'. Spring type.
- 428548. 'Tomclair'. Winter type.
- 428549. 'Valdur'. Spring type.

428550 to 428553. TRITICUM AESTIVUM L. Poaceae. Wheat.

From Australia. Seed presented by P. S. Brennan, Queensland Wheat Research Institute, Toowoomba. Numbered September 5, 1978.

- 428550. 2085-20. 'Spica' × 'Timgalen'.
- 428551. 2200-20. 'Timgalen'.
- 428552. 2200-32. Cross involving 'Timgalen'.
- 428553. 2338-9. 'Joral' × 'Gamut'.

428554. CYPHOMANDRA FRAGRANS (Hook.) Sendt. Solanaceae.
 From Brazil. Seed collected by G. M. Christenson, Medicinal Plant Resources
 Laboratory, USDA, Agricultural Research Center, Beltsville, Maryland.
 Numbered September 5, 1978.
 City zoo. Curitiba, Parana Province. Small tree.

428555. MEDICAGO SATIVA subsp. SATIVA L. Fabaceae.
Alfalfa.

From India. Seed presented by Director, National Dairy Research Institute,
 Karnal. Numbered September 5, 1978.
 NDRI Selection 1.

428556 to 428569.

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov
 Institute of Plant Industry, Leningrad. Numbered September 5, 1978.

428556 and 428557. AEGILOPS BIUNCIALIS Vis. Poaceae.

428556. VIR 1231. Azerbaijan S.S.R.

428557. VIR 1237. Azerbaijan S.S.R. Winter type.

428558 and 428559. AEGILOPS COLUMNARIS Zhuk.

428558. VIR 512. Azerbaijan S.S.R. Winter type.

428559. VIR 1464. Azerbaijan S.S.R.

428560 and 428561. AEGILOPS CYLINDRICA Host **Jointed goatgrass.**

428560. VIR 613. Georgian S.S.R. Winter type.

428561. VIR 1217. Georgian S.S.R.

428562. AEGILOPS KOTSCHYI Boiss.

VIR 1056. Azerbaijan S.S.R. Winter type.

428563 and 428564. AEGILOPS TAUSCHII Coss.

428563. VIR 1216. Georgian S.S.R. Winter type.

428564. VIR 1405. Azerbaijan S.S.R.

428565 and 428566. AEGILOPS TRIARISTATA Willd. **Goatgrass.**

428565. VIR 836. Azerbaijan S.S.R. Winter type.

428566. VIR 1233. Azerbaijan S.S.R.

428567 and 428568. AEGILOPS TRIUNCIALIS L. **Barb goatgrass.**

428567. VIR 1467. Azerbaijan S.S.R. Winter type.

428568. VIR 1571. Azerbaijan S.S.R.

428569. AEGILOPS UMBELLULATA Zhuk.

VIR 816. Azerbaijan S.S.R. Winter type.

428570 to 428588. CYAMOPSIS TETRAGONOLOBA (L.) Taub.
Fabaceae. **Guar.**

From India. Seed presented by N. S. Yadav, HICHEM, Hindustan Gum and
 Chemicals Limited, Birla Colony, Bhiwani. Numbered September 5, 1978.

428570. AG 111.

428573. Durgapura Saffed.

428571. B-19-1-55.

428574. EC 248 (improved).

428572. DSE 2J.

428575. FS 277.

428570 to 428588—Continued

428576. HFG 182.	428583. RGC 516.
428577. HFG 244.	428584. RGC 518.
428578. KVS 1.	428585. RGC 546.
428579. KVS 2.	428586. RGC 573.
428580. KVS 3.	428587. 2470(12).
428581. RGC 417.	428588. 4210(26).
428582. RGC 471.	

428589 to 428672.

From Czechoslovakia. Seed presented by J. Lekes, Institute of Cereal Crops, Kromeriz. Barley samples received as variety mutans. Numbered September 5, 1978.

428589 to 428610. AVENA SATIVA L. Poaceae. Common oat.

- 428589. C7-002. 'Chlumecky zluty'.
- 428590. C7-004. 'Detinsky bily'.
- 428591. C7-010. 'Stupicky bily'.
- 428592. C7-011. 'Taborsky'.
- 428593. C7-012. 'Valecovsky bily'.
- 428594. C7-014. 'Brnensky Zlatak'.
- 428595. C7-015. 'Jindrichovsky bily'.
- 428596. C7-018. 'Valecovsky Nepolehavy'.
- 428597. C7-019. 'Valecovsky Ligowo II'.
- 428598. C7-020. 'Valecovsky Vitez'.
- 428599. C7-021. 'Valecovsky Hvezdovy'.
- 428600. C7-022. 'Slapsky Vitez'.
- 428601. C7-023. 'Doupovsky'.
- 428602. C7-025. 'Selekcni M 2'.
- 428603. C7-026. 'Selecty horsky'.
- 428604. C7-028. 'Selecty Vitez'.
- 428605. C7-029. 'Klatovsky bily'.
- 428606. C7-031. 'Slapsky polorany'.
- 428607. C7-043. 'Krukanicky bezpluchy'.
- 428608. C7-071. 'Diadem'.
- 428609. C7-075. 'Gratus'.
- 428610. C7-1139. 'Saturn'.

428611 to 428635. HORDEUM VULGARE L. Poaceae.

Barley.

- 428611. 'Ametyst'.
- 428612. 'Denar'.
- 428613. 'Detenicky Bohatyr'.
- 428614. 'Dukat'.
- 428615. 'Favorit'.
- 428616. 'Hana'.
- 428617. 'Hanacky exportni'.

428589 to 428672—Continued

428611 to 428635—Continued

- 428618. 'Hanacky jubilejni'.
- 428619. 'Hanacky Moravan'.
- 428620. 'Hodoninsky kvas'.
- 428621. 'Horicky'.
- 428622. 'Jarohnevicky'.
- 428623. 'Kasticky'.
- 428624. 'Nitransky exportni'.
- 428625. 'Novodvorsky hanacky'.
- 428626. 'Opavsky Kneiff'.
- 428627. 'Pisarecky'.
- 428628. 'Rapid'.
- 428629. 'Ratborsky export'.
- 428630. 'Semcicky hospodarsky'.
- 428631. 'Sladar'.
- 428632. 'Slovensky 802'.
- 428633. 'Stupicky plnozrnny'.
- 428634. 'Topas'.
- 428635. 'Zborovicky Kargyn'.

428636 to 428672. TRITICUM AESTIVUM L. Poaceae.

Wheat.

- 428636. C1-0005. 'Kasticka bezosinna'. Winter type.
- 428637. C1-0007. 'Pyselka'. Winter type.
- 428638. C1-0008. 'Radosinska Karola'. Winter type.
- 428639. C1-0009. 'Slovenska B'. Winter type.
- 428640. C1-0014. 'Viglasska'. Winter type.
- 428641. C1-0015. 'Visnovska hustoklasa'. Winter type.
- 428642. C1-0016. 'Aidlochovicka holic'. Winter type.
- 428643. C1-0045. 'Bucianska cervenoklasa'. Winter type.
- 428644. C1-0053. 'Detenicka cervena vouska'. Winter type.
- 428645. C1-0059. 'Dobrovicka 19'. Winter type.
- 428646. C1-0069. 'Hanacka osinatka'. Winter type.
- 428647. C1-0075. 'Pavlovicka 198'. Winter type.
- 428648. C1-0111. 'Kosutska'. Winter type.
- 428649. C1-0125. 'Prerovska Alba'. Winter type.
- 428650. C1-0131. 'Pruhonicka jub. presivka'. Winter type.
- 428651. C1-0132. 'Radosinska Dorade'. Winter type.
- 428652. C1-0137. 'Ralborska Maja'. Winter type.
- 428653. C1-0155. 'Slovenska 2'. Winter type.
- 428654. C1-0159. 'Trebisovska 76'. Winter type.
- 428655. C1-0184. 'Iva'. Winter type.
- 428656. C1-0185. 'Diana I'. Winter type.
- 428657. C1-0195. 'Draga'. Winter type.

428589 to 428672—Continued**428636 to 428672—Continued**

428658. C1-0203. 'Oska'. Winter type.
 428659. C1-0204. 'Diana II'. Winter type.
 428660. 'Slavia'. Winter type.
 428661. 'Solaris'. Winter type.
 428662. C2-0003. 'Podboranska'. Spring type.
 428663. C2-0004. 'Bucianska'. Spring type.
 428664. C2-0007. 'Stupicka vouska'. Spring type.
 428665. C2-0008. 'Praga'. Spring type.
 428666. C2-0023. 'Detenicka vouska'. Spring type.
 428667. C2-0024. 'Dobrovicka'. Spring type.
 428668. C2-0026. 'Dvorskeho Zora'. Spring type.
 428669. C2-0038. 'Prerovska PK'. Spring type.
 428670. C2-0071. 'Ruzynska II'. Spring type.
 428671. C2-0091. 'Oktavia'. Spring type.
 428672. C2-0100. 'Jara'. Spring type.

428673 to 428678.

From Nigeria. Seed presented by International Institute of Tropical Agriculture, Ibadan. Numbered September 6, 1978.

428673. *KERSTINGIELLA GEOCARPA* Harms Fabaceae
R. 43.

428674 to 428678. *SPHENOSTYLIS STENOCARPA* (Hochst. ex A. Rich.) Harms
Fabaceae. African yam bean.

- | | |
|-----------------|-----------------|
| 428674. TSS 3. | 428677. TSS 49. |
| 428675. TSS 31. | 428678. TSS 58. |
| 428676. TSS 37. | |

428679 to 428685.

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov Institute of Plant Industry, Leningrad. Numbered September 6, 1978.

428679 to 428685. *HORDEUM VULGARE* L. Poaceae. Barley.

428679. VIR 19913. 'Dvoran'. Originally from Czechoslovakia. Spring type. Two row.
 428680. VIR 20456. 'Toomas'. From Estonian S.S.R. Spring type.
 428681. VIR 20559. 'Khar'hooskiy 60'. From Ukrainian S.S.R. Spring type. Two row.
 428682. VIR 20960. 'Donetskiya 6'. From Ukrainian S.S.R. Spring type. Two row.
 428683. VIR 21789. 'Luch'. Kirov region. Spring type. Two row.
 428684. VIR 22085. 'Sever 1'. Kirov region. Spring type. Two row.
 428685. VIR 25072. 'Iskra'. Rostov region. Winter type.

428686 and 428687. *TRITICUM AESTIVUM* L. Poaceae. Wheat.

428686. VIR 45480. 'Zarya'. Leningrad region. Spring type.
 428687. VIR 50948. 'Raduga'. Moscow region. Winter type.

428679 to 428685—Continued

428688 to 428690. *TRITICUM DURUM* Desf. **Durum wheat.**

428688. VIR 44799. 'Odessa Yantornaya'. From Ukrainian S.S.R. Winter type.

428689. VIR 50970. 'Perlyna'. From Ukrainian S.S.R. Winter type.

428690. VIR 52377. 'Leukurum 3'. From Uzbek S.S.R. Winter type.

428691 and 428692. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From India. Seed presented by R. V. R. Pillai, Department of Botany, D. M. College, Imphal through National Bureau of Plant Genetics Resources, IARI, New Delhi. Numbered September 6, 1978.

428691. Large seeded.

428692. Small seeded.

428693 to 428700.

From Turkey. Seed collected by June Jones, Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Numbered September 7, 1978.

428693. *AVENA STERILIS* L. Poaceae. **Animated oats.**
Hillside above Bosporees Sariyer, Istanbul.

428694. *HORDEUM* sp. Poaceae.
Hillside above Bosporees Sariyer, Istanbul.

428695. *HORDEUM* sp.
Block from blue Mosque in Old Istanbul.

428696. *HORDEUM* sp.
Along the street in center of Ankara.

428697. *HORDEUM* sp.
Along the street in center of Ankara.

428698. *HORDEUM* sp.
Ataturk's farm, Ankara.

428699. *HORDEUM* sp.
Beside the sea at Yesliyurt.

428700. *SITANION* sp. Poaceae.
Hillside above Bosporees Sariyer, Istanbul.

428701 and 428702. TRITICUM AESTIVUM L. Poaceae. Wheat.

From Australia. Seed presented by Australian Wheat Collection, Tamworth. Numbered September 15, 1978.

428701. Aus 20299. Selection from Farro Lunga, Aus 2388.

428702. Aus 20300. Selection from Farro Lunga, Aus 2388.

428703 to 428705. AVENA SATIVA L. Poaceae. Common oat.

From England. Seed presented by Elfed Jones, Welsh Plant Breeding Station, Nr. Aberystwyth, Wales. Numbered September 15, 1978.

428703. 'Margam'. Spring type.

428704. 'Panema'. Winter type. Resistant to stem eelworm and cereal cyst nematode.

428705. 'Pennal'. Winter type. Resistant to stem eelworm.

428706 to 428727. HORDEUM BULBOSUM L. Poaceae.**Bulbous barley.**

From Finland. Seed presented by H. A. Ahokas, Department of Genetics, University of Helsinki, Helsinki. GRA refers to Gatersleben accession numbers. All Alloplasmic tetraploid derivatives. Numbered September 15, 1978.

- 428706. 'Karri'. Tetraploid.
- 428707. HA-Hb-11-Karri. Derived from GRA 54—source Romania.
- 428708. HA-Hb-16-Karri. Derived from GRA 54—source Romania.
- 428709. HA-Hb-3a-Karri. Derived from GRA 60.
- 428710. HA-Hb-3b-Karri. Derived from GRA 60.
- 428711. HA-Hb-4-Karri. Derived from GRA 60.
- 428712. HA-Hb-6-Karri. Derived from GRA 60.
- 428713. HA-Hb-15-Karri. Derived from GRA 142—source East Germany.
- 428714. HA-Hb-19-Karri. Derived from GRA 377—source Bulgaria.
- 428715. HA-Hb-20-Karri. Derived from GRA 377—source Bulgaria. From male sterile plant.
- 428716. HA-Hb-5-Karri. Derived from GRA 594—source Belgium.
- 428717. HA-Hb-13-Karri. Derived from GRA 594—source Belgium.
- 428718. HA-Hb-12-Karri. Derived from GRA 759—source Australia.
- 428719. HA-Hb-17-Karri. Derived from GRA 759—source Australia.
- 428720. HA-Hb-18-Karri. Derived from GRA 759—source Australia.
- 428721. HA-Hb-2-Karri. Derived from GRA 763—source Union of Soviet Socialist Republics.
- 428722. HA-Hb-7-Karri. Derived from GRA 763—source Union of Soviet Socialist Republics.
- 428723. HA-Hb-8a-Karri. Derived from GRA 1353—source Union of Soviet Socialist Republics.
- 428724. HA-Hb-8b-Karri. Derived from GRA 1353—source Union of Soviet Socialist Republics.
- 428725. HA-Hb-9-Karri. Derived from GRA 1353—source Union of Soviet Socialist Republics.
- 428726. HA-Hb-10-Karri. Derived from GRA 1353—source Union of Soviet Socialist Republics.
- 428727. HA-Hb-14-Karri. Derived from GRA 1353—source Union of Soviet Socialist Republics.

428728 to 429309. × TRITICOSECALE Wittm. Poaceae.**Triticale.**

From Canada. Seed presented by J. P. Gustafson, The University of Manitoba, Department of Plant Science, Winnipeg, Manitoba. Designations refer to hybrid number and ploidy level. Original source other than Canada given for each accession. Numbered September 7, 1978.

- 428728. 6A-64. Spain. Spring.
- 428729. 6A-66. Spain. Spring.
- 428730. 6A-67. Japan Spring.

428728 to 429309—Continued

- 428731. 6A-69. Japan. Spring.
- 428732. 6A-71. Japan. Spring.
- 428733. 8A-91. Winter.
- 428734. 8A-92. Winter.
- 428735. 8A-94. Spring.
- 428736. 8A-95. Spring.
- 428737. 8A-96. Spring.
- 428738. 8A-100. Winter.
- 428739. 8A-101. Svalof, Sweden. Winter.
- 428740. 8A-102. Finland. Winter.
- 428741. 8A-103. No. 17. Japan. Winter.
- 428742. 8A-105. No. 51. Japan. Winter.
- 428743. 8A-106. No. 54. Japan. Winter.
- 428744. 8A-107. No. 78. Japan. Winter.
- 428745. 8A-109. No. 414. Japan. Spring.
- 428746. 8A-111. No. 419. Japan. Spring.
- 428747. 8A-112. Japan. Spring.
- 428748. 8A-113. Japan. Spring.
- 428749. 8A-114. Japan. Spring.
- 428750. 8A-116. Winter.
- 428751. 8A-117. Spring.
- 428752. 8A-118. Spring.
- 428753. 8A-119. Spring.
- 428754. 8A-120. Winter.
- 428755. 8A-122.
- 428756. 8A-123. Japan. Spring.
- 428757. 8A-124. Union of Soviet Socialist Republics. Winter.
- 428758. 8A-125. Union of Soviet Socialist Republics. Winter.
- 428759. 8A-126. Winter.
- 428760. 8A-127. Union of Soviet Socialist Republics. Winter.
- 428761. 8A-129. Union of Soviet Socialist Republics. Winter.
- 428762. 8A-130. United States. Winter.
- 428763. 8A-131. United States. Winter.
- 428764. 10A-134. United States. Winter.
- 428765. 10A-135. Spring.
- 428766. 8A-142. United States.
- 428767. 8A-144. W.R.C.I. 12793. United States. Winter.
- 428768. 6A-146. W.R. 4608. United States. Spring.
- 428769. 6A-147. W.R. 5017. United States. Spring.
- 428770. 8A-148. United States. Winter.
- 428771. 8A-154. Nepal. Spring.
- 428772. 8A-155. Nepal. Spring.

428728 to 429309—Continued

- 428773. 8A-158. Winter.
- 428774. 8A-159. Triticale A. Sweden. Winter.
- 428775. 8A-160. Triticale B. Sweden. Winter.
- 428776. 8A-161. Triticale C. Sweden. Winter.
- 428777. 8A-162. Triticale F. Sweden. Winter.
- 428778. 8A-163. Triticale H. Sweden. Winter.
- 428779. 8A-164. Triticale I. Sweden. Winter.
- 428780. 8A-165. Triticale J. Sweden. Winter.
- 428781. 8A-166. Triticale K. Sweden. Winter.
- 428782. 8A-167. Triticale L. Sweden. Winter.
- 428783. 8A-168. Triticale M. Sweden. Winter.
- 428784. 8A-169. Triticale N. Sweden. Winter.
- 428785. 8A-170. Triticale O. Sweden. Winter.
- 428786. 8A-171. Triticale P. Sweden. Winter.
- 428787. 8A-172. Triticale Q. Sweden. Winter.
- 428788. 8A-173. Triticale R. Sweden. Winter.
- 428789. 8A-175. Triticale T. Sweden. Winter.
- 428790. 8A-176. Triticale U. Sweden. Winter.
- 428791. 8A-177. Triticale. W. Sweden. Winter.
- 428792. 8A-179. Sweden. Winter.
- 428793. 8A-180. Sweden. Winter.
- 428794. 8A-181. Sweden. Winter.
- 428795. 6A-190. Spring.
- 428796. 8A-192. San Marino. Winter.
- 428797. 6A-193. Spring.
- 428798. 8A-195. Spring.
- 428799. 6A-199. AABDD No. 2. Japan. Spring.
- 428800. 6A-200. AABDD No. 3. Japan.
- 428801. 6A-202. AABDD No. 5. Japan. Spring.
- 428802. 8A-209. Winter.
- 428803. 8A-210. Winter.
- 428804. 8A-211. Winter.
- 428805. 8A-214. Winter.
- 428806. 8A-215. United States. Spring.
- 428807. 8A-216. San Marino. Winter.
- 428808. 8A-217. West Germany. Winter.
- 428809. 8A-219. West Germany. Winter.
- 428810. 8A-222. West Germany. Winter.
- 428811. 8A-223. West Germany. Winter.
- 428812. 6A-248.
- 428813. 8A-249. Union of Soviet Socialist Republics. Winter.
- 428814. 6A-250. Union of Soviet Socialist Republics. Spring.

428728 to 429309—Continued

- 428815. 6A-251. MTE-4. Spain. Spring.
- 428816. 6A-252. MTE-10. Spain. Spring.
- 428817. 6A-254. MTE-18. Spain. Spring.
- 428818. 6A-258. MTE-41. Spain. Spring.
- 428819. 6A-259. MTE-48. Spain. Spring.
- 428820. 6A-260. MTE-50. Spain. Spring.
- 428821. 6A-262. MTE-58. Spain. Spring.
- 428822. 6A-263. MTE-63. Spain.
- 428823. 6A-264. MTE-83. Spain.
- 428824. 6A-267. MTE-93. Spain.
- 428825. 6A-268. MTE-120. Spain.
- 428826. 8A-269. Union of Soviet Socialist Republics.
- 428827. 6A-272. Union of Soviet Socialist Republics.
- 428828. 6A-273. Union of Soviet Socialist Republics.
- 428829. 6A-274. Union of Soviet Socialist Republics.
- 428830. 6A-275. Union of Soviet Socialist Republics.
- 428831. 6A-276. Union of Soviet Socialist Republics.
- 428832. 8A-277. Union of Soviet Socialist Republics.
- 428833. 8A-278. Union of Soviet Socialist Republics.
- 428834. 8A-279. Union of Soviet Socialist Republics.
- 428835. 8A-280. Union of Soviet Socialist Republics.
- 428836. 8A-282.
- 428837. 8A-283.
- 428838. 8A-284.
- 428839. 8A-285.
- 428840. 6A-287.
- 428841. 6A-297. Winter.
- 428842. 6A-298. Winter.
- 428843. 6A-299. Winter.
- 428844. 6A-301. Union of Soviet Socialist Republics. Winter.
- 428845. 6A-302. Union of Soviet Socialist Republics. Spring.
- 428846. 6A-303. Union of Soviet Socialist Republics. Winter.
- 428847. 6A-304. Union of Soviet Socialist Republics. Spring.
- 428848. 6A-305. Rabat, Morocco. Spring.
- 428849. 6A-306. Rabat, Morocco. Spring.
- 428850. 6A-308. Rabat, Morocco. Spring.
- 428851. 6A-309. Rabat, Morocco. Spring.
- 428852. 8A-310. Union of Soviet Socialist Republics. Winter.
- 428853. 8A-311. Union of Soviet Socialist Republics. Winter.
- 428854. 8A-312. Union of Soviet Socialist Republics, Leningrad. Winter.
- 428855. 6A-313. Union of Soviet Socialist Republics. Winter.
- 428856. 8A-314. Winter.

428728 to 429309—Continued

- 428857. 8A-316. West Germany. Winter.
- 428858. 8A-318.
- 428859. 8A-319.
- 428860. 6A-320. Union of Soviet Socialist Republics. Winter.
- 428861. 8A-324. France.
- 428862. 8A-326. France.
- 428863. 8A-327. France.
- 428864. 8A-328. France.
- 428865. 8A-329. France.
- 428866. 8A-331. France.
- 428867. 8A-332. France.
- 428868. 8A-333. France.
- 428869. 8A-334. France.
- 428870. 8A-337. France.
- 428871. 8A-338. France.
- 428872. 8A-339. France.
- 428873. 8A-341. France.
- 428874. 8A-342. France.
- 428875. 8A-347. France.
- 428876. 8A-348. France.
- 428877. 8A-349. France.
- 428878. 8A-350. France.
- 428879. 8A-351. France.
- 428880. 6A-358. Union of Soviet Socialist Republics.
- 428881. 8A-361. Union of Soviet Socialist Republics.
- 428882. 6A-362. Union of Soviet Socialist Republics.
- 428883. 8A-363. Union of Soviet Socialist Republics.
- 428884. 6A-365. Hungary.
- 428885. 6A-366. Hungary.
- 428886. 6A-367. Hungary.
- 428887. 6A-368. Hungary.
- 428888. 6A-369. Hungary.
- 248889. 6A-370. Hungary.
- 428890. 6A-371. Hungary.
- 428891. 6A-372. Hungary.
- 428892. 6A-373. Hungary.
- 428893. 6A-374. Hungary.
- 428894. 8A-375. Hungary.
- 428895. 8A-377.
- 428896. 8A-385. United States.
- 428897. 6A-386. Spain.
- 428898. 6A-387. Spain.

428728 to 429309—Continued

- 428899. 6A-388.
- 428900. 6A-391.
- 428901. 6A-392.
- 428902. 6A-393.
- 428903. 8A-395.
- 428904. 8A-396.
- 428905. 8A-397.
- 428906. 8A-398.
- 428907. 8A-399.
- 428908. 8A-400.
- 428909. 8A-401.
- 428910. 8A-402.
- 428911. 8A-403.
- 428912. 6A-404.
- 428913. 6A-405.
- 428914. 6A-406.
- 428915. 6A-407.
- 428916. 6A-408.
- 428917. 6A-409.
- 428918. 6A-410.
- 428919. 6A-411.
- 428920. 6A-412.
- 428921. 6A-413.
- 428922. 6A-414.
- 428923. 6A-415.
- 428924. 6A-417.
- 428925. 6A-418.
- 428926. 6A-419.
- 428927. 6A-420.
- 428928. 8A-426.
- 428929. 8A-428.
- 428930. 6A-429.
- 428931. 8A-430.
- 428932. 8A-432. No. 1. China.
- 428933. 8A-433. No. 2. China.
- 428934. 8A-434. No. 3. China.
- 428935. A-438. Sweden.
- 428936. A-439. Sweden.
- 428937. A-440. Sweden.
- 428938. A-441. Sweden.
- 428939. A-442. Sweden.
- 428940. A-443. Sweden.

428728 to 429309—Continued

- 428941. A-444. Sweden.
- 428942. 6A-445. West Germany.
- 428943. 6A-446. West Germany.
- 428944. 8A-447.
- 428945. 6A-448.
- 428946. 6A-449.
- 428947. 6A-450.
- 428948. 6A-451.
- 428949. 6A-454.
- 428950. 8A-456.
- 428951. 8A-458.
- 428952. 8A-460.
- 428953. 8A-461.
- 428954. 8A-464.
- 428955. 8A-466.
- 428956. 8A-469.
- 428957. 8A-472.
- 428958. 8A-476.
- 428959. 8A-478.
- 428960. 6A-481.
- 428961. 8A-483.
- 428962. 8A-494.
- 428963. 8A-495.
- 428964. 8A-496.
- 428965. 8A-497.
- 428966. 8A-498.
- 428967. 8A-499.
- 428968. 6A-505.
- 428969. 6A-507.
- 428970. 8A-510.
- 428971. 8A-511.
- 428972. 8A-512.
- 428973. 6A-513.
- 428974. 6A-514.
- 428975. 6A-519. D2 25-72. Hungary.
- 428976. 6A-520. Bokolo "A". Hungary.
- 428977. 6A-521. Tomzsi. Hungary.
- 428978. 6A-522. Szalkas. Hungary.
- 428979. 8A-523. No. 20. Hungary.
- 428980. 6A-524. Szalkas. Hungary.
- 428981. 6A-525. No. 64. Hungary.
- 428982. 6A-527. D2 27-72. Hungary.

428728 to 429309—Continued

- 428983. 6A-529.
- 428984. 6A-530.
- 428985. 8A-532.
- 428986. 8A-535.
- 428987. 8A-538.
- 428988. 8A-542.
- 428989. 8A-546.
- 428990. 10A-554.
- 428991. 6A-556.
- 428992. 6A-557.
- 428993. 6A-558.
- 428994. 10A-559.
- 428995. 10A-560.
- 428996. 10A-562.
- 428997. 10A-563.
- 428998. 10A-564.
- 428999. 8A-570. China.
- 429000. 8A-571. China.
- 429001. 8A-572. China.
- 429002. 6A-573.
- 429003. 4A-577.
- 429004. 4A-578.
- 429005. 4A-579.
- 429006. 6A-581. India.
- 429007. 6A-582. India.
- 429008. 6A-583. India.
- 429009. 6A-584. India.
- 429010. 6A-585. India.
- 429011. 6A-586. India.
- 429012. 6A-587.
- 429013. 6A-588. France.
- 429014. 6A-589. United States.
- 429015. 8A-591.
- 429016. 6A-592.
- 429017. 6A-593.
- 429018. 8A-595.
- 429019. 8A-596.
- 429020. 6A-597. CIMMYT, Mexico.
- 429021. 6A-598. CIMMYT, Mexico.
- 429022. 8A-599. CIMMYT, Mexico.
- 429023. 6A-600. CIMMYT, Mexico.
- 429024. 8A-601. CIMMYT, Mexico.

428728 to 429309—Continued

- 429025. 8A-602. CIMMYT, Mexico.
- 429026. 6A-603. CIMMYT, Mexico.
- 429027. 6A-604. CIMMYT, Mexico.
- 429028. 6A-605. CIMMYT, Mexico.
- 429029. 8A-606. CIMMYT, Mexico.
- 429030. 6A-607. CIMMYT, Mexico.
- 429031. 6A-608. CIMMYT, Mexico.
- 429032. 8A-609. CIMMYT, Mexico.
- 429033. 6A-610. CIMMYT, Mexico.
- 429034. 6A-611. CIMMYT, Mexico.
- 429035. 8A-612. CIMMYT, Mexico.
- 429036. 6A-613. CIMMYT, Mexico.
- 429037. 8A-614. CIMMYT, Mexico.
- 429038. 8A-615. CIMMYT, Mexico.
- 429039. 6A-616. CIMMYT, Mexico.
- 429040. A-617. CIMMYT, Mexico.
- 429041. 6A-618. India.
- 429042. 6A-619. India.
- 429043. 6A-620. India.
- 429044. 6A-621. India.
- 429045. 6A-622. India.
- 429046. 6A-623. India.
- 429047. 6A-624. India.
- 429048. 6A-625. India.
- 429049. 6A-626.
- 429050. 6A-630.
- 429051. 6A-632.
- 429052. 6A-634.
- 429053. 6A-638.
- 429054. 6A-639.
- 429055. 6A-643.
- 429056. 6A-644.
- 429057. 6A-645.
- 429058. 6A-646.
- 429059. 6A-649.
- 429060. 6A-650. CIMMYT, Mexico.
- 429061. 6A-651. CIMMYT, Mexico.
- 429062. 6A-652. CIMMYT, Mexico.
- 429063. 8A-653. Sweden.
- 429064. 8A-654. Sweden.
- 429065. 8A-655. Sweden.
- 429066. 8A-656.

428728 to 429309—Continued

- 429067. A-657. Poland.
- 429068. A-658. Poland.
- 429069. A-659. Poland.
- 429070. A-660. Poland.
- 429071. A-661. Poland.
- 429072. A-662. Poland.
- 429073. A-663. Poland.
- 429074. A-664. Poland.
- 429075. 6A-668. Poland.
- 429076. 6A-671. Poland.
- 429077. 6A-672. Poland.
- 429078. 6A-674. Poland.
- 429079. 6A-675. Poland.
- 429080. A-676. Poland.
- 429081. 6A-677. Poland.
- 429082. 6A-678. Poland.
- 429083. 6A-679. Poland.
- 429084. 6A-680. Poland.
- 429085. 6A-681. Poland.
- 429086. 6A-682. Poland.
- 429087. 6A-683. India.
- 429088. 6A-684. India.
- 429089. 6A-685. India.
- 429090. 6A-686. India.
- 429091. 6A-687. India.
- 429092. 6A-688. India.
- 429093. 6A-689. India.
- 429094. 6A-690. India.
- 429095. 6A-691. India.
- 429096. 8A-693. West Germany.
- 429097. 6A-694. West Germany.
- 429098. 6A-695. West Germany.
- 429099. 6A-696. West Germany.
- 429100. 6A-697.
- 429101. 6A-698.
- 429102. 8A-702.
- 429103. 6A-703.
- 429104. 8A-704.
- 429105. 6A-705.
- 429106. 6A-706.
- 429107. 6A-707.
- 429108. 8A-708.

428728 to 429309—Continued

- 429109. 6A-709.
- 429110. 8A-710.
- 429111. 8A-711.
- 429112. 6A-712. CIMMYT, Mexico.
- 429113. 6A-713. CIMMYT, Mexico.
- 429114. 6A-714. CIMMYT, Mexico.
- 429115. 6A-715. CIMMYT, Mexico.
- 429116. 6A-716. CIMMYT, Mexico.
- 429117. 6A-717. CIMMYT, Mexico.
- 429118. 6A-718. CIMMYT, Mexico.
- 429119. 6A-719. CIMMYT, Mexico.
- 429120. 6A-720. CIMMYT, Mexico.
- 429121. 6A-721. CIMMYT, Mexico.
- 429122. 6A-722. CIMMYT, Mexico.
- 429123. 6A-723. CIMMYT, Mexico.
- 429124. 6A-724. CIMMYT, Mexico.
- 429125. 6A-725. CIMMYT, Mexico.
- 429126. 6A-726. CIMMYT, Mexico.
- 429127. 6A-727. CIMMYT, Mexico.
- 429128. 6A-728. CIMMYT, Mexico.
- 429129. 8A-729. Leningrad, Union of Soviet Socialist Republics.
- 429130. 6A-730. Leningrad, Union of Soviet Socialist Republics.
- 429131. 6A-731. Leningrad, Union of Soviet Socialist Republics.
- 429132. 6A-732. Leningrad, Union of Soviet Socialist Republics.
- 429133. 6A-733. Leningrad, Union of Soviet Socialist Republics.
- 429134. A-735. Poland.
- 429135. A-736. Poland.
- 429136. A-737. Poland.
- 429137. A-738. Poland.
- 429138. A-739. Poland.
- 429139. A-740. Poland.
- 429140. A-741. Poland.
- 429141. A-742. Poland.
- 429142. A-743. Poland.
- 429143. A-744. Poland.
- 429144. A-745. Poland.
- 429145. A-746. Poland.
- 429146. A-747. Poland.
- 429147. A-748. Poland.
- 429148. A-749. Poland.
- 429149. A-750. Poland.
- 429150. A-751. Poland.

428728 to 429309—Continued

- 429151. 6A-845. Sweden. Spring.
- 429152. 6A-846. Sweden. Spring.
- 429153. 6A-847. Sweden. Spring.
- 429154. 6A-848. Sweden. Spring.
- 429155. 6A-849. Sweden. Spring.
- 429156. 6A-850. Sweden. Spring.
- 429157. 6A-851. Sweden. Spring.
- 429158. 6A-852. Sweden. Spring.
- 429159. 6A-853. Sweden. Spring.
- 429160. 6A-854. Sweden. Spring.
- 429161. 6A-855. Sweden. Spring.
- 429162. 6A-856. Sweden. Spring.
- 429163. A-857. Spring.
- 429164. A-858. Spring.
- 429165. A-859. Spring.
- 429166. 6A-862. Spring.
- 429167. 6A-863. Spring.
- 429168. 6A-864. Spring.
- 429169. 6A-865. Purple seed. Spring.
- 429170. 6A-867. Spring.
- 429171. 8A-869. Spring.
- 429172. 8A-870. Spring.
- 429173. 8A-871. Spring.
- 429174. 8A-872. Spring.
- 429175. 8A-873. Spring.
- 429176. 8A-874. Spring.
- 429177. 8A-875. Spring.
- 429178. 8A-877. Spring.
- 429179. 8A-878. Spring.
- 429180. 6A-879. United States. Spring.
- 429181. 6A-880. United States. Spring.
- 429182. 6A-881. United States. Spring.
- 429183. 6A-882. United States. Spring.
- 429184. 8A-883. United States. Spring.
- 429185. 8A-884. United States. Spring.
- 429186. 6A-885. United States. Spring.
- 429187. 6A-887. India. Spring.
- 429188. 8A-889. United States. Spring.
- 429189. 8A-890. United States. Spring.
- 429190. 8A-892. United States. Spring.
- 429191. 6A-894. CIMMYT, Mexico. Spring.
- 429192. 6A-895. CIMMYT, Mexico. Spring.

428728 to 429309—Continued

- 429193. 8A-896. CIMMYT, Mexico. Spring.
- 429194. 6A-897. CIMMYT, Mexico. Spring.
- 429195. 8A-898. CIMMYT, Mexico. Spring.
- 429196. 8A-899. CIMMYT, Mexico. Spring.
- 429197. 8A-900. CIMMYT, Mexico. Spring.
- 429198. 6A-901. CIMMYT, Mexico. Spring.
- 429199. 6A-902. CIMMYT, Mexico. Spring.
- 429200. 6A-903. CIMMYT, Mexico. Spring.
- 429201. 6A-904. CIMMYT, Mexico. Spring.
- 429202. 6A-905. CIMMYT, Mexico. Spring.
- 429203. 6A-906. CIMMYT, Mexico. Spring.
- 429204. 6A-907. CIMMYT, Mexico. Spring.
- 429205. 6A-908. CIMMYT, Mexico. Spring.
- 429206. 6A-909. CIMMYT, Mexico. Spring.
- 429207. 6A-910. CIMMYT, Mexico. Spring.
- 429208. 6A-911. CIMMYT, Mexico. Spring.
- 429209. 6A-912. CIMMYT, Mexico. Spring.
- 429210. 6A-913. CIMMYT, Mexico. Spring.
- 429211. 6A-914. CIMMYT, Mexico. Spring.
- 429212. 6A-915. CIMMYT, Mexico. Spring.
- 429213. 6A-916. CIMMYT, Mexico. Spring.
- 429214. 6A-918. CIMMYT, Mexico. Spring.
- 429215. 6A-919. CIMMYT, Mexico. Spring.
- 429216. 6A-920. Spring.
- 429217. 6A-921. Spring.
- 429218. 6A-922. Spring.
- 429219. 6A-925. Spring.
- 429220. 6A-926. Spring.
- 429221. 6A-928. Spring.
- 429222. 6A-929. Spring.
- 429223. 6A-930. Spring.
- 429224. 6A-931. Spring.
- 429225. 6A-932. Spring.
- 429226. 6A-933. Spring.
- 429227. 6A-934. Spring.
- 429228. 6A-935. Spring.
- 429229. 6A-936. Spring.
- 429230. 6A-937. Spring.
- 429231. 6A-939. Spring.
- 429232. 6A-940. Spring.
- 429233. 6A-941. Spring.
- 429234. 6A-942. Spring.

428728 to 429309—Continued

- 429235. 6A-943. Spring.
- 429236. A-944. Spring.
- 429237. A-945. Spring.
- 429238. A-946. Spring.
- 429239. A-947. Spring.
- 429240. A-948. Spring.
- 429241. A-949. Spring.
- 429242. A-950. Spring.
- 429243. A-951. Spring.
- 429244. A-952. Spring.
- 429245. A-953. Spring.
- 429246. A-954. Spring.
- 429247. A-955. Spring.
- 429248. A-956. Spring.
- 429249. A-957. Spring.
- 429250. A-958. Spring.
- 429251. A-959. Spring.
- 429252. A-960. Spring.
- 429253. 6A-961. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429254. 6A-962. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429255. 6A-963. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429256. 6A-964. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429257. 6A-965. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429258. 6A-966. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429259. 6A-967. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429260. 6A-968. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429261. 6A-969. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429262. 6A-970. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429263. 6A-971. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429264. 6A-972. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429265. 6A-973. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429266. 6A-974. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429267. 6A-975. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429268. 6A-976. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429269. 6A-977. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429270. A-978. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429271. 6A-979. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429272. 6A-980. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429273. 8A-981. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429274. 6A-982. Leningrad, Union of Soviet Socialist Republics. Winter.
- 429275. 6A-983. Leningrad, Union of Soviet Socialist Republics. Winter.

428728 to 429309—Continued

429276. 6A-984. Leningrad, Union of Soviet Socialist Republics. Semiwinter.
429277. 6A-985. Leningrad, Union of Soviet Socialist Republics. Spring, semiwinter.
429278. 6A-986. Leningrad, Union of Soviet Socialist Republics. Winter.
429279. 6A-987. Leningrad, Union of Soviet Socialist Republics. Winter.
429280. 6A-988. F2 bulk. CIMMYT, Mexico. Spring.
429281. 6A-989. Magantis 1443. CIMMYT, Mexico.
429282. 6A-990. F.S. 4563. CIMMYT, Mexico.
429283. 6A-991. F.S. 2821. CIMMYT, Mexico.
429284. 6A-992. F.S. 492. CIMMYT, Mexico.
429285. 6A-993. F.S. 458. CIMMYT, Mexico.
429286. 6A-994. F.S. 453. CIMMYT, Mexico.
429287. 6A-995. F.S. 444. CIMMYT, Mexico.
429288. 6A-996. F.S. 418. CIMMYT, Mexico.
429289. 6A-997. F.S. 404. CIMMYT, Mexico.
429290. 6A-998. F.S. 297. CIMMYT, Mexico.
429291. 6A-1001. F.S. 388. CIMMYT, Mexico.
429292. 6A-1002. F.S. 391. CIMMYT, Mexico.
429293. 6A-1004. F.S. 402. CIMMYT, Mexico.
429294. 6A-1005. F.S. 194. CIMMYT, Mexico.
429295. A-1077. Poland.
429296. A-1078. Poland.
429297. 6A-1079. Poland.
429298. 6A-1080. Poland.
429299. 6A-1081. Poland.
429300. 6A-1082. Poland.
429301. 6A-1083. Poland.
429302. 6A-1084. Poland.
429303. 6A-1085. Poland.
429304. 6A-1086. Poland.
429305. 6A-1087. Poland.
429306. 6A-1088. Poland.
429307. 4A-1089. West Germany.
429308. 4A-1090. West Germany.
429309. 4A-1091. West Germany.
- 429310. PARAMONGAIA WEBERBAUERI** Velarde *Amaryllidaceae*.
From Peru. Bulbs presented by Felipe Rodriguez Veramendi, Yautan, Ancash.
Numbered September 25, 1978.
Bulbs collected from the wild near Huaras, Ancash. Elevation 3,091 m.

429311 to 429326.

From Yeman. Seed presented by Dr. D. M. Stewart, United States AID Mission to the Yemen Arab Republic, Sana'a. Numbered September 15, 1978.

429311 to 429314. HORDEUM VULGARE L. Poaceae. Barley.

429311. Local two-row cultivar from Taiz. Collected by E. H. Talaat.

429312. Local two-row cultivar from Taiz. Collected by E. H. Talaat.

429313. Local cultivar. Village of Shibam about 75 km northwest of Sana'a. Collected by D. M. Stewart.

429314. Local two-row cultivar. Bani Hushaysh, northeast of Sana'a. Collected by D. M. Stewart.

429315 to 429323. TRITICUM AESTIVUM L. Poaceae. Wheat.

429315. 'Bir Bouni'. Village of Al Mansuriyah, Tihama Plain near the Red Sea. Collected by D. M. Stewart.

429316. 'Candy'. From Taiz. Collected by E. H. Talaat.

429317. 'Damary'. Local cultivar from May Moon, 33 km northwest of Sana'a. Spring.

429318. 'Mesri'. From Taiz. Collected by E. H. Talaat.

429319. 'Tanori'. From Agricultural Research Station, Al Asha. Originally from Mexico. Spring.

429320. Local cultivar. Mountain valley 50 km south of Sana'a. Collected by D. M. Stewart.

429321. Local cultivar, 50 km north of Sana'a on Amran Road. Collected by D. M. Stewart.

429322. No. 6009. From Agricultural Research Station, Al Asha. Originally from People's Republic of China.

429323. R.R. 21. From Agricultural Research Station, Al Asha. Originally from Nepal. Spring.

429324. TRITICUM sp.

'Bouni'. From Taiz. Collected by E. H. Talaat.

429325. TRITICUM sp.

'Wisny'. From Taiz. Collected by E. H. Talaat.

429326. TRITICUM sp.

Diploid. From Taiz. Collected by E. H. Talaat.

428327 to 429330. GLYCINE MAX (L.) Merr. Fabaceae.

Soybean.

From Nigeria. Seed presented by International Institute of Tropical Agriculture, Ibadan. Numbered September 18, 1978.

429327. TGM 618. Good storability.

429328. TGM 685. Good storability.

429329. TGM 693. Good storability.

429330. TGM 737. Good storability.

429331 to 429336.

From South Africa. Seed presented by National Botanic Gardens of South Africa, Kirstenbosch, Newlands, C.P. Numbered September 18, 1978.

429331. *ASPARAGUS AETHIOPICUS* L. Liliaceae.

Humansdorp, Cape Province. Coastal forest.

429332 to 429334. *ASPARAGUS DENSIFLORUS* (Kunth) Jessop

429332. 304/68. Flagstaff, Transkei, Cape Province. Grid Code 3129 BA.

429333. 359/73. Mazeppa Bay, Transkei, Cape Province. Grid Code 3228 BC. On rocks near the sea.

429334. 695/51. 'Myers'. Amatole Mountains. Grid Code 3226 DB.

429335. *ASPARAGUS SCANDENS* Thunb.

Basket asparagus.

429336. *ASPARAGUS VIRGATUS* Baker.

288/73. Natal. Near Little Switzerland Hotel, 27 km north of Olivirshoek. South slope in dense forest. Threadlike foliage. Shade loving.

429337 to 429344.

From South Africa. Seed presented by T. C. Nel, Plant Introduction Officer, Department of Agricultural Technical Services, Pretoria. Numbered September 18, 1978.

429337 and 429338. *ASPARAGUS DENSIFLORUS* (Kunth) Jessop Liliaceae.

429337. 'Myers'. From Malansem's Nursery, Pretoria North.

429338. 'Sprengeri'. From Malansem's Nursery, Pretoria North.

429339 to 429341. *ASPARAGUS LARICINUS* Burchell

429339. Twenty km south of Kroonstad, Freestate Province just south of Bloemspruit roadbridge. Heavy soil. Elevation 1370 m.

429340. Twelve km south of Pretoria over six mile river bridge. Plants 2 m tall. Deep alluvial soil. Elevation 1400 m.

429341. Along main road 20 km east of Potchefstroom. On bank of small stream. Plants 2 m tall. Deep fertile soil. Elevation 1350 m.

429342. *ASPARAGUS SETACEUS* (Kunth) Jessop

From Malansem's Nursery, Pretoria North. Received as *A. plumosus*.

429343 and 429344. *ASPARAGUS VIRGATUS* Baker

429343. Collected on grounds of Citrus and Subtropical Fruit Research Institute, Nelspruit, Eastern Transvaal. Elevation 700 m.

429344. From Wilgeboom Estates near Graskop, Eastern Transvaal escarpment. High rainfall area. Elevation 1200 m.

429345 and 429346.

From India. Seed presented by Director, National Bureau of Plant Genetic Resources, Indian Agricultural Research Institute, New Delhi. Numbered September 18, 1978.

429345. *PANICUM MILIACEUM* L. Poaceae.

Coimbatore.

Proso millet.

429346. *PANICUM SUMATRENSE* Roth ex Roem. & Schult.

Little millet.

429347 to 429354. PISUM SATIVUM L. Fabaceae. Garden pea.

From Czechoslovakia. Seed presented by the Institute of Genetics and Plant Breeding, Department of Genetic Resources, Prague. Numbered September 18, 1978.

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|---------------------|--------------------|
| 429347. 'Allround'. | 429351. 'Jupiter'. |
| 429348. 'Dik-Trom'. | 429352. 'Laga'. |
| 429349. 'Hylgro'. | 429353. 'Pauli'. |
| 429350. 'Iregi'. | 429354. 'Rovar'. |

429355 to 429408.

From Iran. Seed collected by Raymond F. Altevogt, formerly with the Iranian Department of the Environment, presently with the National Food Processors Association, Washington, D.C. Samples collected during the period of August 21 through 27, 1974. Numbered September 18, 1978.

429355 and 429356. CICER ARIETINUM L. Fabaceae. Chickpea.

429355. 76. Garmackabad, between Sanadaj and Hamaden. Elevation 1950 m. Latitude 47°11'N; longitude 35°17'E.

429356. 92c. Marganch, 5 km southwest of Hamadan. Latitude 48°27'N; longitude 34°49'E. Irrigated. Originally mixed with *Triticum*, *Secale*, and *Vicia*.

429357 to 429367. HORDEUM VULGARE L. Poaceae. Barley.

429357. 31a. Central Ostan between Karaj and Gazvin, near Abeyek. Latitude 52°49'N; longitude 35°51'E. Dryland. Two rowed. Originally mixed with *Triticum*. Smut present.

429358. 37a. Central Ostan between Karaj and Gazvin. Dryland. Elevation 1300 m. Two rowed. Originally mixed with *Triticum*.

429359. 53b. Zanjan Ostan between Zanjan and Bejar. Latitude 48°27'N; longitude 36°48'E. Dryland. Elevation 1700 m. Grown by Turkish-speaking farmer. Originally mixed with *Triticum* and *Secale*.

429360. 62. Dehgarous, Zanjan Ostan, between Zanjan and Bejar. Dryland. Grown by Turkish-speaking farmer. Smut present.

429361. 82. Deh Galen, between Hamadan and Sanandaj. Latitude 47°25'N; longitude 35°17'E. Dryland. Elevation 1950 m. Two rowed. Smut present.

429362. 83. Taleb Gholy, between Hamadan and Sanandaj. Latitude 47°27'N; longitude 35°16'E. Two rowed. Smut present.

429363. 87. Five km from Garveh, between Hamadan and Sanandaj. Latitude 47°40'N; longitude 35°14'E. Irrigated. Elevation 1950 m. Smut present.

429364. 89. Five km from Garveh, between Hamadan and Sanandaj. Latitude 47°40'N; longitude 35°14'E. Dryland. Elevation 1950 m. Smut present.

429365. 91a. Five km east of Hamadan. Latitude 48°27'N; longitude 34°49'E. Irrigated. Originally mixed with *Triticum* and *Secale*.

429366. 94a. Zageh, west of Hamadan. Latitude 48°22'N; longitude 34°52'E. Dryland. Originally mixed with *Secale*. Smut present.

429355 to 429408—Continued**429357 to 429367—Continued**

- 429367.** Contents of plastic bag. Originally mixed with *Triticum*.
Source unknown.
- 429368.** LATHYRUS SATIVUS L. Fabaceae. Grass peavine.
96. Zageh, west of Hamadan. Latitude 48°22'N; longitude 34°52'E. Dryland.
- 429369.** LENS CULINARIS Medik. Fabaceae. Lentil.
79. Garmackabad, between Sanandaj and Hamadan. Latitude 47°11'N; longitude 35°17'E. Elevation 1950 m.
- 429370.** MEDICAGO SATIVA L. Fabaceae. Alfalfa.
67. Between Zanhan and Bejar. Latitude 47°40'N; longitude 35°57'E. Elevation 1700 m.
- 429371 to 429379.** SECALE CEREALE L. Poaceae. Rye.
- 429371.** 26b. Gure Safid, near Semnan. Latitude 53°00'N; longitude 35°44'E. Originally mixed with *Triticum*.
- 429372.** 43b. Abhar, Zanjan Ostan, between Gazvin and Zanjan. Latitude 49°14'N; longitude 36°07'E. Elevation 1550 m. In collection called "Omid" wheat.
- 429373.** 53c. Zanjan Ostan, between Zanjan and Bejar. Latitude 48°27'N; longitude 36°48'E. Dryland. Elevation 1700 m. Grown by Turkish-speaking farmer. Originally mixed with *Hordeum* and *Triticum*.
- 429374.** 63b. Joofot, Zanjan Ostan, between Zanjan and Bejar to the southwest. Latitude 48°03'N; longitude 36°18'E. Dryland. Elevation 1450 m. Originally mixed with *Triticum*.
- 429375.** 85b. Five km from Garveh, between Hamadan and Sanandaj. Latitude 47°40'N; longitude 35°14'N. Dryland. Elevation 1950 m. Originally mixed with *Triticum*.
- 429376.** 91c. Five km east of Hamadan. Latitude 48°27'N; longitude 34°49'E. Irrigated. Originally mixed with *Hordeum* and *Triticum*.
- 429377.** 92b. Marganch, 5 km southwest of Hamadan. Latitude 48°27'N; longitude 34°49'E. Irrigated. Originally mixed with *Triticum*, *Cicer*, and *Vicia*.
- 429378.** 94b. Zageh, south of Hamadan. Latitude 48°22'N; longitude 34°52'E. Dryland. Mixture with *Hordeum*.
- 429379.** 98b. Tajiabad, south of Hamadan. Latitude 48°13'N; longitude 34°52'E. Dryland. Originally mixed with *Triticum*.
- 429380 to 429407.** TRITICUM AESTIVUM L. Poaceae. Wheat.
- 429380.** 26a. Gure Safid, near Semnan. Latitude 53°00'N; longitude 35°44'E. Irrigated. Red and white types. Originally mixed with *Secale*.
- 429381.** 31b. Central Ostan, between Karaj and Gazvin, near Abeyek. Latitude 52°49'N; longitude 35°51'E. Originally mixed with *Hordeum*. Smut present.
- 429382.** 32. Abeyek, Central Ostan, between Karaj and Gazvin. Dryland. Red and white types.
- 429383.** 37b. Central Ostan between Karaj and Gazvin. Dryland. Elevation 1300 m. Originally mixed with *Hordeum*.

429355 to 429408—Continued

429380 to 429407—Continued

429384. 43a. Abhar, Zanjan Ostan, between Gazvin and Zanjan. Latitude 49°14'N; longitude 36°07'E. Red and white types. Elevation 1550 m. Called Omid wheat, mixed with *Secale*.
429385. 53a. Zanjan Ostan, between Zanjan and Bejar. Latitude 48°27'N; longitude 36°48'E. Dryland. Grown by Turkish-speaking farmer. Red and white types. Elevation 1700 m. Originally mixed with *Hordeum* and *Secale*.
429386. 59. Halab, Zanjan Ostan, between Zanjan and Bejar. Latitude 48°03'N; longitude 36°18'E. Dryland. Red and white types. Elevation 1550 m. Smut present.
429387. 61. Dehgarous, Zanjan Ostan, between Zanjan and Bejar to the southwest. Dryland. Grown by Turkish-speaking farmer. Red and white types.
429388. 63a. Joofot, Zanjan Ostan, between Zanjan and Bejar to the southwest. Latitude 48°03'N; longitude 36°18'E. Dryland. Red and white types. Elevation 1450 m. Originally mixed with *Secale*.
429389. 74. Sorat Abad, between Sanandaj and Hamadan. Latitude 47°12'N; longitude 35°18'E. Dryland. Winter type. Red and white types. Elevation 2000 m.
429390. 77. Garmackabad, between Hamadan and Sanandaj. Latitude 47°11'N; longitude 35°17'E. Irrigated. Elevation 1950 m. Red and white types. Smut present.
429391. 78. Garmackabad, between Hamadan and Sanandaj. Latitude 47°11'N; longitude 35°17'E. Dryland. Elevation 1950 m. Red and white types. Smut present.
429392. 80. Deh Galan, between Hamadan and Sanandaj, in large fertile valley. Irrigated. Elevation 1850 m. Red and white types. Smut present.
429393. 81. Deh Galan, between Hamadan and Sanandaj. Latitude 47°25'N; longitude 35°17'E. Dryland. Elevation 1850 m. Red and white types. Smut present.
429394. 84. Taleb Gholi, between Hamadan and Sanandaj. Latitude 47°27'N; longitude 35°16'E. Dryland. Elevation 1850 m. Red and white types. Awned.
429395. 85a. Five km from Garveh, between Hamadan and Sanandaj. Latitude 47°40'N; longitude 35°14'E. Dryland. Elevation 1950 m. Red and white types. Short, awned heads. Originally mixed with *Secale*.
429396. 86. Five km from Garveh, between Hamadan and Sanandaj. Latitude 47°40'N; longitude 35°14'E. Irrigated. Elevation 1950 m. Red and white types. Originally mixed with *Secale*.
429397. 88. Five km from Garveh, between Hamadan and Sanandaj. Latitude 47°40'N; longitude 35°14'E. Dryland. Elevation 1950 m. Red and white types.
429398. 91b. Five km east of Hamadan. Latitude 48°27'N; longitude 34°49'E. Irrigated. Mixture with *Hordeum* and *Secale*.
429399. 92a. Marganch, 5 km southwest of Hamadan. Latitude 48°27'N; longitude 34°49'E. Irrigated. Red and white types, grown for 35 years. Originally mixed with *Secale*, *Cicer*, and *Vicia*. Smut present.

429355 to 429408—Continued**429380 to 429407—Continued**

429400. 93. Marganch, near Hamadan. Latitude 48°27'N; longitude 34°49'E. Dryland. Red and white types. Awned.

429401. 95. Zageh, near Hamadan. Latitude 48°22'N; longitude 34°52'E. Dryland. Red and white types.

429402. 98a. Taji Abad, near Hamadan. Latitude 48°13'N; longitude 34°52'E. Dryland. Red and white types. Originally mixed with *Secale*.

429403. 99. Khakris, near Hamadan. Latitude 48°07'N; longitude 34°47'E. Irrigated. Elevation 1550 m. Red and white types.

429404. 100. Sharab, south of Hamadan, near north end of valley. Latitude 48°12'N; longitude 34°47'E. Dryland. Elevation 2000 m. Red and white types.

429405. 101. Valy Abad, south of Hamadan. Latitude 48°05'N; longitude 34°39'E. Irrigated. Red and white types.

429406. 177. Red and white types. Source unknown.

429407. Contents of plastic bags. Red and white types. Originally mixed with *Hordeum*. Source unknown.

429408. *VICIA VILLOSA* Roth. Fabaceae. Hairy Vetch.

92d. Marganch, 5 km southwest of Hamadan. Latitude 48°27'N; longitude 34°49'E. Irrigated. Originally mixed with *Triticum*, *Secale* and *Cicer*.

429409 to 429494. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Rhodesia. Seed presented by G. L. Hildebrand, Ministry of Agriculture, Crop Breeding Institute, Causeway. Numbers refer to the Crop Breeding Institute's (Salisbury) Introduction number assignment. Numbered September 19, 1978.

429409. 276/63. Valencia A5.

429410. 277/63. Valencia A14.

429411. 278/63. Valencia A17 X-2.

429412. 279/63. Valencia A26.

429413. 280/63. Valencia A30-1.

429414. 281/63. Valencia A33-1.

429415. 282/63. Valencia A35X.

429416. 283/63. Valencia Gandajika 65.

429417. 284/63. Valencia Gandajika 66.

429418. 285/63. Valencia Abu Arbaa.

429419. 286/63. Valencia Bulindi.

429420. 287/63. Valencia Bassanga.

429421. 288/63. Valencia J. E. 56.

429422. 289/63. Valencia Kordofan.

429423. 290/63. Valencia Kigang.

429424. 291/63. Valencia Kumavu.

429425. 292/63. Valencia Manyema Uganda.

429426. 293/63. Valencia Mubene.

429409 to 429494—Continued

- 429427. 294/63. Valencia Tennessee Red.
- 429428. 295/63. Valencia Teso Bunch.
- 429429. 296/63. Valencia Toro.
- 429430. 297/63. Valencia Nzega.
- 429431. 298/63. Valencia Tabora.
- 429432. 299/63. Valencia Ukiriguru (= Valencia R1).
- 429433. 300/63. Valencia Kongwa.
- 429434. 301/63. Valencia Cuba.
- 429435. 302/63. Valencia Zande.
- 429436. 303/63. Valencia Vagna Nagna.
- 429437. 304/63. Valencia Florida 1.
- 429438. 305/63. Valencia Guayabita Bunch.
- 429439. 306/63. Valencia Argentine 7.
- 429440. 307/63. Valencia Kopengaon.
- 429441. 308/63. White Valencia Argentine 11.
- 429442. 310/63. Short Valencia South African.
- 429443. 311/63. Valencia Type E. 1.
- 429444. 312/63. Valencia Type E. 2.
- 429445. 313/63. Valencia Type E. 3.
- 429446. 314/63. Valencia Type E. 4.
- 429447. 315/63. Valencia Type E. 5.
- 429448. 388/63. Purple Valencia A15.
- 429449. 404/64 Valencia (McKerral strain).
- 429450. 1/65. Red Valencia (4 seeded).
- 429451. 61/65. Large Valencia.
- 429452. 130/65. Pink Valencia.
- 429453. 11/66. Valencia (ex Chisumbanje).
- 429454. 69/66/3. Selection from P.I. 261945.
- 429455. 91/66/1. Selection from P.I. 261964.
- 429456. 91/66/2. Selection from P.I. 261964.
- 429457. 101/66/1. Selection from P.I. 262020.
- 429458. 109/66/1. Selection from P.I. 262085.
- 429459. 110/66. Gregory No. 419.
- 429460. 117/66/1. Selection from P.I. 275715.
- 429461. 122/66/7. Selection from P.I. 275734.
- 429462. 122/66/8. Selection from P.I. 275734.
- 429463. 198/66. Gregory No. 182.
- 429464. 199/66. Gregory No. 184.
- 429465. 200/66. Gregory No. 185.
- 429466. 201/66. Gregory No. 186.
- 429467. 202/66/1. Selection from Gregory No. 187.
- 429468. 202/66/2. Selection from Gregory No. 187.

429409 to 429494—Continued

429469. 203/66. Gregory No. 190.
 429470. 204/66. Gregory No. 191.
 429471. 205/66. Gregory No. 192.
 429472. 6/70. AM-17.
 429473. 14/70/1. Selection from AM-95.
 429474. 29/70. AM-158.
 429475. 277/71. Pink Valencia Type.
 429476. 281/71. G-119.
 429477. 418/71. Red Valencia.
 429478. 626/73a. Selection from P.I. 261932.
 429479. 634/73a. Selection from P.I. 262013.
 429480. L.V. 5. Large Valencia Type.
 429481. R.V. 1. Red Valencia Type.
 429482. R.V. 4. Red Valencia Type.
 429483. R.V. 5. Red Valencia Type.
 429484. R.V. 6. Red Valencia Type.
 429485. R.V. 7. Red Valencia Type.
 429486. R.V. 8. Red Valencia Type.
 429487. R.V. 9. Red Valencia Type.
 429488. R.V. 10. Red Valencia Type.
 429489. R.V. 11. Red Valencia Type.
 429490. V. 3. Valencia Type.
 429491. V. 8. Valencia Type.
 429492. V. 10. Valencia Type.
 429493. V. 12. Valencia Type.
 429494. V. 20. Valencia Type.

429495 to 429712.

From Nepal. Seed collected 1971 by Bangor-Nepal Expedition under supervision of J. R. Witcombe, School of Plant Biology, University of North Wales, Bangor, Wales. B, NB and NW refer to barley, naked barley, and wheat respectively. Village names follow collection designations. Numbered September 21, 1978.

- 429495 to 429619. HORDEUM VULGARE L. Poaceae. **Barley.**
 429495. B1A. Hile. Elevation 1,900 m. Latitude 27°1.3'N. Longitude 87°19.0'E.
 429496. B3A. Bhotiagon. Elevation 1,975 m. Latitude 27°19.0'N. Longitude 87°24.5'E.
 429497. B4A. Bhotiagon. Elevation 1,975 m. Latitude 27°19.0'N. Longitude 87°24.5'E.
 429498. B5A. Chitlang. Elevation 1,825 m. Latitude 27°19.0'N. Longitude 87°25.0'E.
 429499. B6A. Nundhaki. Elevation 1,475 m. Latitude 27°18.4'N. Longitude 87°27.2'E.

429495 to 429712—Continued**429495 to 429619—Continued**

429500. B7A. Phabing. Elevation 1,825 m. Latitude 27°17.1'N. Longitude 87°26.6'E.
429501. B7B. Phabing. Elevation 1,825 m. Latitude 27°17.1'N. Longitude 87°26.6'E.
429502. B8A. Mawadin. Elevation 1,825 m. Latitude 27°17.1'N. Longitude 87°25.3'E.
429503. B9A. Baga. Elevation 1,675 m. Latitude 27°17.0'N. Longitude 87°23.6'E.
429504. B12A. Hilonche Kagate (Helencha). Elevation 1,830 m. Latitude 27°14.5'N. Longitude 87°4.8'E.
429505. B12B. Hilonche Kagate (Helencha). Elevation 1,830 m. Latitude 27°14.5'N. Longitude 87°4.8'E.
429506. NB12A. Hilonche Kagate (Helencha). Elevation 1,830 m. Latitude 27°14.5'N. Longitude 87°4.8'E.
429507. B15A. Kimalung. Elevation 1,980 m. Latitude 27°18.9'N. Longitude 87°4.7'E.
429508. NB15A. Kimalung. Elevation 1,980 m. Latitude 27°18.9'N. Longitude 87°4.7'E.
429509. B16A. Tare. Elevation 2,040 m. Latitude 27°18.8'N. Longitude 87°5.1'E.
429510. B17A. Patalegaon (Patlegaon). Elevation 1,920 m. Latitude 27°18.7'N. Longitude 87°5.6'E.
429511. B19A. Talkharka. Elevation 2,135 m. Latitude 27°18.4'N. Longitude 87°4.0'E.
429512. B19B. Talkharka. Elevation 2,135 m. Latitude 27°18.4'N. Longitude 87°4.0'E.
429513. NB19A. Talkharka. Elevation 2,135 m. Latitude 27°18.4'N. Longitude 87°4.0'E.
429514. B20A. Sumde (Hathisunde). Elevation 2,135 m. Latitude 27°21.2'N. Longitude 87°1.0'E.
429515. B21A. Sirubas. Elevation 1,830 m. Latitude 27°17.5'N. Longitude 86°52.4'E.
429516. B22A. Bagu. Elevation 1,675 m. Latitude 27°17.2'N. Longitude 86°51.2'E.
429517. NB22A. Bagu. Elevation 1,675 m. Latitude 27°17.2'N. Longitude 86°51.2'E.
429518. B23A. Patega. Elevation 2,135 m. Latitude 27°14.9'N. Longitude 86°52.0'E.
429519. B25A. Chenga (Chhuwa). Elevation 2,285 m. Latitude 27°15.8'N. Longitude 86°59.4'E.
429520. NB25A. Chenga (Chhuwa). Elevation 2,285 m. Latitude 27°15.8'N. Longitude 86°59.4'E.
429521. B27A. Bhalukhap. Elevation 1,920 m. Latitude 27°22.9'N. Longitude 87°23.5'E.

429495 to 429712—Continued

429495 to 429619—Continued

429522. B28A. Terse. Elevation 1,980 m. Latitude 27°22.0'N. Longitude 87°21.5'E.
429523. B30A. Sirusao (Sirse). Elevation 1,615 m. Latitude 27°21.5'N. Longitude 87°19.9'E.
429524. NB30A. Sirusao (Sirse). Elevation 1,615 m. Latitude 27°21.5'N. Longitude 87°19.9'E.
429525. B31A. Sahtbahino. Elevation 1,700 m. Latitude 27°28.3'N. Longitude 87°14.8'E.
429526. B32A. Dhoje. Elevation 1,700 m. Latitude 27°27.2'N. Longitude 87°13.0'E.
429527. B33A. Oruru (Hururu). Elevation 1,980 m. Latitude 27°29.9'N. Longitude 87°15.6'E.
429528. B34A. Maday (Munde). Elevation 2,070 m. Latitude 27°31.6'N. Longitude 87°16.3'E.
429529. B35A. Moyam. Elevation 1,720 m. Latitude 27°34.8'N. Longitude 87°12.9'E.
429530. B36A. Mangatang. Elevation 1,735 m. Latitude 27°35.2'N. Longitude 87°12.6'E.
429531. B37A. Nurbugaon. Elevation 2,040 m. Latitude 27°35.7'N. Longitude 87°12.0'E.
429532. NB37A. Nurbugaon. Elevation 2,040 m. Latitude 27°35.7'N. Longitude 87°12.0'E.
429533. B38A. Walung. Elevation 1,830 m. Latitude 27°33.8'N. Longitude 87°13.5'E.
429534. B39A. Chirkung. Elevation 1,630 m. Latitude 27°33.4'N. Longitude 87°12.7'E.
429535. B40A. Nabu. Elevation 1,525 m. Latitude 27°32.8'N. Longitude 87°12.3'E.
429536. B41A. Waleng. Elevation 1,615 m. Latitude 27°31.6'N. Longitude 87°10.8'E.
429537. B43A. Benchung. Elevation 1,570 m. Latitude 27°30.0'N. Longitude 87°7.9'E.
429538. B44A. Khanigaon. Elevation 1,905 m. Latitude 27°30.1'N. Longitude 87°8.0'E.
429539. B46A. Yamdang. Elevation 1,495 m. Latitude 27°29.2'N. Longitude 87°4.3'E.
429540. NB47A. Yanyung. Elevation 1,525 m. Latitude 27°29.6'N. Longitude 87°1.1'E.
429541. B48A. Tenchong. Elevation 1,675 m. Latitude 27°28.9'N. Longitude 87°1.8'E.
429542. B49A. Lakua. Elevation 1,735 m. Latitude 27°30.2'N. Longitude 87°6.9'E.
429543. B50A. Tamlung. Elevation 1,525 m. Latitude 27°28.1'N. Longitude 87°4.0'E.

429495 to 429712—Continued**429495 to 429619—Continued**

429544. B51A. Phedi. Elevation 2,590 m. Latitude 27°25.3'N. Longitude 86°57.8'E.
429545. B52A. Chyaksila. Elevation 2,745 m. Latitude 27°24.8'N. Longitude 86°56.3'E.
529546. B54A. Sanamle (Sanam). Elevation 2,730 m. Latitude 27°27.1'N. Longitude 86°53.4'E.
429547. B54B. Sanamle (Sanam). Elevation 2,730 m. Latitude 27°27.1'N. Longitude 86°53.4'E.
429548. NB54A. Sanamle (Sanam). Elevation 2,730 m. Latitude 27°27.1'N. Longitude 86°53.4'E.
429549. NB54B. Sanamle (Sanam). Elevation 2,730 m. Latitude 27°27.1'N. Longitude 86°53.4'E.
429550. B55A. Tieu. Elevation 2,530 m. Latitude 27°27.7'N. Longitude 86°53.1'E.
429551. B6A. Sorung. Elevation 2,440 m. Latitude 27°28.2'N. Longitude 86°52.8'E.
429552. B57A. Chochalung. Elevation 2,055 m. Latitude 27°29.3'N. Longitude 86°52.6'E.
429553. B57B. Chochalung. Elevation 2,055 m. Latitude 27°29.3'N. Longitude 86°52.6'E.
429554. B58A. Gudel. Elevation 1,920 m. Latitude 27°29.9'N. Longitude 86°51.8'E.
429555. B59A. Bung. Elevation 1,935 m. Latitude 27°30.4'N. Longitude 86°49.7'E.
429556. B60A. Kulung. Elevation 2,375 m. Latitude 27°31.2'N. Longitude 86°48.6'E.
429557. NB60A. Kulung. Elevation 2,375 m. Latitude 27°31.2'N. Longitude 86°48.6'E.
429558. B61A. Cherem. Elevation 2,545 m. Latitude 27°35.1'N. Longitude 86°47.8'E.
429559. B61B. Cherem. Elevation 2,545 m. Latitude 27°35.1'N. Longitude 86°47.8'E.
429560. NB61A. Cherem. Elevation 2,545 m. Latitude 27°35.1'N. Longitude 86°47.8'E.
429561. B62A. Chatuk. Elevation 2,455 m. Latitude 27°34.5'N. Longitude 86°46.3'E.
429562. NB63A. Pangu. Elevation 2,760 m. Latitude 27°34.7'N. Longitude 86°44.7'E.
429563. NB63B. Pangu. Elevation 2,760 m. Latitude 27°34.7'N. Longitude 86°44.7'E.
429564. B65A. Kharikola. Elevation 1,890 m. Latitude 27°35.9'N. Longitude 86°42.8'E.
429565. B65B. Kharikola. Elevation 1,890 m. Latitude 27°35.9'N. Longitude 86°42.8'E.

429495 to 429712—Continued**429495 to 429619—Continued**

429566. B65C. Kharikola. Elevation 1,890 m. Latitude 27°35.9'N. Longitude 86°42.8'E.
429567. B66A. Pangu (to south). Elevation 2,440 m. Latitude 27°33.4'N. Longitude 86°44.5'E.
429568. NB67A. Chaunrikharka. Elevation 2,665 m. Latitude 27°33.4'N. Longitude 86°44.5'E.
429569. B68A. Ghat. Elevation 2,485 m. Latitude 27°43.4'N. Longitude 86°42.9'E.
429570. NB68A. Ghat. Elevation 2,485 m. Latitude 27°43.4'N. Longitude 86°42.9'E.
429571. B71A. Pangdingma. Elevation 2,470 m. Latitude 27°44.2'N. Longitude 86°43.8'E.
429572. B72A. Nachipundo. Elevation 2,515 m. Latitude 27°42.0'N. Longitude 86°44.4'E.
429573. NB72B. Nachipundo. Elevation 2,515 m. Latitude 27°42.0'N. Longitude 86°44.4'E.
429574. B73A. Kharte. Elevation 2,440 m. Latitude 27°37.0'N. Longitude 86°43.3'E.
429575. NB74A. Dingboche. Elevation 4,320 m. Latitude 27°37.0'N. Longitude 86°44.4'E.
429576. B75A. Lukla. Elevation 2,820 m. Latitude 27°41.3'N. Longitude 86°44.7'E.
429577. B77A. Jubing. Elevation 1,675 m. Latitude 27°35.1'N. Longitude 86°40.6'E.
429578. B78A. Manidinma (Phuleli). Elevation 2,040 m. Latitude 27°35.0'N. Longitude 86°40.6'E.
429579. NB78A. Manidinma (Phuleli). Elevation 2,040 m. Latitude 27°35.0'N. Longitude 86°40.6'E.
429580. B79A. Ringmo. Elevation 2,895 m. Latitude 27°35.2'N. Longitude 86°37.4'E.
429581. NB81A. Chhulyamu. Elevation 2,590 m. Latitude 27°36.4'N. Longitude 86°37.6'E.
429582. NB82A. Balakup. Elevation 2,745 m. Latitude 27°35.5'N. Longitude 86°44.7'E.
429583. B83A. Phera. Elevation 2,745 m. Latitude 27°33.4'N. Longitude 86°36.7'E.
429584. NB83A. Phera. Elevation 2,745 m. Latitude 27°33.4'N. Longitude 86°36.7'E.
429585. B84A. Salung. Elevation 2,895 m. Latitude 27°34.3'N. Longitude 86°35.2'E.
429586. NB84A. Salung. Elevation 2,895 m. Latitude 27°34.3'N. Longitude 86°35.2'E.
429587. B85A. Gonba. Elevation 2,805 m. Latitude 27°35.5'N. Longitude 86°36.9'E.

429495 to 429712—Continued

429495 to 429619—Continued

429588. NB86A. Namuchay. Elevation 2,985 m. Latitude 27°34.1'N
Longitude 86°36.9'E.
429589. NB87A. Junbesi. Elevation 2,675 m. Latitude 27°34.9'N. Lon-
gitude 86°32.5'E.
429590. B88A. Taktor (Tragdobuk). Elevation 2,860 m. Latitude 27°
43.3'N. Longitude 86°31.8'E.
429591. NB88A. Taktor (Tragdobuk). Elevation 2,860 m. Latitude 27°
43.3'N. Longitude 86°31.8'E.
429592. NB88B. Taktor (Tragdobuk). Elevation 2,860 m. Latitude 27°
43.3'N. Longitude 86°31.8'E.
429593. NB89A. Tumbu. Elevation 2,745 m. Latitude 27°34.0'N. Longi-
tude 86°33.1'E.
429594. B90A. Sete. Elevation 2,575 m. Latitude 27°34.6'N. Longitude
86°26.8'E.
429595. B92A. Bhandar. Elevation 2,200 m. Latitude 27°34.4'N. Longi-
tude 86°21.2'E.
429596. NB92A. Bhandar. Elevation 2,200 m. Latitude 27°34.4'N. Lon-
gitude 86°21.2'E.
429597. NB93A. Kosrobas. Elevation 2,330 m. Latitude 27°36.2'N. Lon-
gitude 86°19.1'E.
429598. NB94A. Gonda (Mali). Elevation 2,280 m. Latitude 27°36.6'N.
Longitude 86°21.2'E.
429599. B95A. Chikribas. Elevation 1,830 m. Latitude 27°37.7'N. Longi-
tude 86°12.1'E.
429600. B96A. Yatsa (Yarsa). Elevation 1,800 m. Latitude 27°37.8'N.
Longitude 86°9.2'E.
429601. B97A. Surke. Elevation 1,705 m. Latitude 27°40.7'N. Longitude
86°58.1'E.
429602. B98A. Peykru (Petku). Elevation 1,675 m. Latitude 27°43.9'N.
Longitude 85°52.4'E.
429603. NB99A. Ritak. Elevation 2,975 m. Latitude 27°48.0'N. Longi-
tude 87°27.3'E.
429604. NB99B. Ritak. Elevation 2,975 m. Latitude 27°48.0'N. Longi-
tude 87°27.3'E.
429605. NB100. Chumisur. Elevation 2,750 m. Latitude 27°50.0'N. Lon-
gitude 87°25.0'E.
429606. NB101A. Gudi Gomba. Elevation 2,675 m. Latitude 27°46.2'N.
Longitude 87°24.2'E.
429607. B102A. Chyamtang. Elevation 2,525 m. Latitude 27°45.3'N.
Longitude 87°26.2'E.
429608. NB102A. Chyamtang. Elevation 2,525 m. Latitude 27°45.3'N.
Longitude 87°26.2'E.
429609. B103A. Chepua. Elevation 2,125 m. Latitude 27°45.7'N. Longi-
tude 87°24.2'E.

429495 to 429712—Continued**429495 to 429619—Continued**

429610. NB103A. Chepua. Elevation 2,125 m. Latitude 27°45.7'N. Longitude 87°24.2'E.
429611. NB104A. Rukuma. Elevation 2,125 m. Latitude 27°43.8'N. Longitude 87°24.2'E.
429612. B105A. Honggaon. Elevation 2,325 m. Latitude 27°46.0'N. Longitude 87°21.5'E.
429613. B106A. Hatia. Elevation 1,925 m. Latitude 27°43.7'N. Longitude 87°20.5'E.
429614. NB106A. Hatia. Elevation 1,925 m. Latitude 27°43.7'N. Longitude 87°20.5'E.
429615. B107A. Robisa (Sekedim). Elevation 2,450 m. Latitude 27°37.5'N. Longitude 87°14.9'E.
429616. NB107A. Robisa (Sekedim). Elevation 2,450 m. Latitude 27°37.5'N. Longitude 87°14.9'E.
429617. B108A. Sedua. Elevation 2,125 m. Latitude 27°35.1'N. Longitude 87°15.8'E.
429618. NB108A. Sedua. Elevation 2,125 m. Latitude 27°35.1'N. Longitude 87°15.8'E.
429619. B109A. Ala. Elevation 1,675 m. Latitude 27°35.7'N. Longitude 87°18.1'E.
- 429620 to 429712. TRITICUM AESTIVUM L. Poaceae. **Wheat.**
429620. NW3A. Bhotiagaon. Elevation 1,975 m. Latitude 27°19.0'N. Longitude 87°24.5'E.
429621. NW4A. Bhotiagaon. Elevation 1,975 m. Latitude 27°19.0'N. Longitude 87°24.5'E.
429622. NW5A. Chitlang. Elevation 1,825 m. Latitude 27°19.0'N. Longitude 87°25.0'E.
429623. NW6A. Nundhaki. Elevation 1,475 m. Latitude 27°18.4'N. Longitude 87°27.2'E.
429624. NW7A. Phabing. Elevation 1,825 m. Latitude 27°17.1'N. Longitude 87°26.6'E.
429625. NW8A. Mawadin. Elevation 1,825 m. Latitude 27°17.1'N. Longitude 87°25.3'E.
429626. NW9A. Baga. Elevation 1,675 m. Latitude 27°17.0'N. Longitude 87°23.6'E.
429627. NW10A. Chenring. Elevation 1,220 m. Latitude 27°16.7'N. Longitude 87°22.4'E.
429628. NW12A. Hilonche Kagate (Helencha). Elevation 1,830 m. Latitude 27°14.5'N. Longitude 87°4.8'E.
429629. NW13A. Gorubasa (Ghulbise). Elevation 2,590 m. Latitude 27°16.7'N. Longitude 87°3.2'E.
429630. NW14A. Kimalung. Elevation 1,980 m. Latitude 27°18.9'N. Longitude 87°4.7'E.
429631. NW15A. Kimalung. Elevation 1,980 m. Latitude 27°18.9'N. Longitude 87°4.7'E.

429495 to 429712—Continued**429620 to 429712—Continued**

429632. NW17A. Patalegaon (Patlegaon). Elevation 1,920 m. Latitude 27°18.7'N. Longitude 87°5.6'E.
429633. NW19A. Talkharka. Elevation 2,135 m. Latitude 27°18.4'N. Longitude 87°4.0'E.
429634. NW20A. Sumde (Hathisunde). Elevation 2,135 m. Latitude 27°21.2'N. Longitude 87°1.0'E.
429635. NW20B. Sumde (Hathisunde). Elevation 2,135 m. Latitude 27°21.2'N. Longitude 87°1.0'E.
429636. NW21A. Sirubas. Elevation 1,830 m. Latitude 27°17.5'N. Longitude 86°52.4'E.
429637. NW21B. Sirubas. Elevation 1,830 m. Latitude 27°17.5'N. Longitude 86°52.4'E.
429638. NW22A. Bagu. Elevation 1,675 m. Latitude 27°17.2'N. Longitude 86°51.2'E.
429639. NW23A. Patega. Elevation 2,135 m. Latitude 27°14.9'N. Longitude 86°52.0'E.
429640. NW24A. Madim Patega. Elevation 2,135 m. Latitude 27°14.9'N. Longitude 86°52.0'E.
429641. NW25A. Chenga (Chhuwa). Elevation 2,285 m. Latitude 27°15.8'N. Longitude 86°59.4'E.
429642. NW26A. Damar. Elevation 1,615 m. Latitude 27°12.3'N. Longitude 87°0.5'E.
429643. NW27A. Bhalukhap. Elevation 1,920 m. Latitude 27°22.9'N. Longitude 87°23.5'E.
429644. NW28A. Terse. Elevation 1,980 m. Latitude 27°22.0'N. Longitude 87°21.5'E.
429645. NW31A. Sahtbahino. Elevation 1,700 m. Latitude 27°28.3'N. Longitude 87°14.8'E.
429646. NW32A. Dhoje. Elevation 1,700 m. Latitude 27°27.2'N. Longitude 87°13.0'E.
429647. NW33A. Oruru (Hururu). Elevation 1,980 m. Latitude 27°29.9'N. Longitude 87°15.6'E.
429648. NW35A. Moyam. Elevation 1,720 m. Latitude 27°34.8'N. Longitude 87°12.9'E.
429649. NW36A. Mangatang. Elevation 1,735. Latitude 27°35.2'N. Longitude 87°12.6'E.
429650. NW37A. Nurbugaon. Elevation 2,040 m. Latitude 27°35.7'N. Longitude 87°12.0'E.
429651. NW38A. Walung. Elevation 1,830 m. Latitude 27°33.8'N. Longitude 87°13.5'E.
429652. NW39A. Chirkung. Elevation 1,630 m. Latitude 27°33.4'N. Longitude 87°12.7'E.
429653. NW40A. Nabu. Elevation 1,525 m. Latitude 27°32.8'N. Longitude 87°12.3'E.

429495 to 429712—Continued**429620 to 429712—Continued**

429654. NW42A. Yangdip. Elevation 1,265 m. Latitude 27°30.1'N. Longitude 87°11.0'E.
429655. NW43A. Benchung. Elevation 1,570 m. Latitude 27°30.0'N. Longitude 87°7.9'E.
429656. NW44A. Khanigaon. Elevation 1,905 m. Latitude 27°30.1'N. Longitude 87°8.0'E.
429657. NW45A. Yamdang. Elevation 1,370 m. Latitude 27°28.9'N. Longitude 87°4.9'E.
429658. NW46A. Yamdang. Elevation 1,495 m. Latitude 27°29.2'N. Longitude 87°4.3'E.
429659. NW48A. Tenchong. Elevation 1,675 m. Latitude 27°28.9'N. Longitude 87°1.8'E.
429660. NW49A. Lakua. Elevation 1,735 m. Latitude 27°30.2'N. Longitude 87°6.9'E.
429661. NW50A. Tamlung. Elevation 1,525 m. Latitude 27°28.1'N. Longitude 87°4.0'E.
429662. NW51A. Phedi. Elevation 2,590 m. Latitude 27°25.3'N. Longitude 85°57.8'E.
429663. NW52A. Chyaksila. Elevation 2,745 m. Latitude 27°24.8'N. Longitude 86°56.3'E.
429664. NW53A. Dapgumpa. Elevation 2,590 m. Latitude 27°25.3'N. Longitude 86°55.0'E.
429665. NW54A. Sanamle (Sanam). Elevation 2,730 m. Latitude 27°27.1'N. Longitude 86°53.4'E.
429666. NW55A. Tieu. Elevation 2,530 m. Latitude 27°27.7'N. Longitude 86°53.1'E.
429667. NW56A. Sorung. Elevation 2,440 m. Latitude 27°28.2'N. Longitude 86°52.8'E.
429668. NW57A. Chochalung. Elevation 2,055 m. Latitude 27°29.3'N. Longitude 86°52.6'E.
429669. NW58A. Gudel. Elevation 1,920 m. Latitude 27°29.9'N. Longitude 86°51.8'E.
429670. NW59A. Bung. Elevation 1,935 m. Latitude 27°30.4'N. Longitude 86°49.7'E.
429671. NW60A. Kulung. Elevation 2,375 m. Latitude 27°31.2'N. Longitude 86°48.6'E.
429672. NW61A. Cherem. Elevation 2,545 m. Latitude 27°35.1'N. Longitude 86°47.8'E.
429673. NW62A. Chatuk. Elevation 2,455 m. Latitude 27°34.5'N. Longitude 86°46.3'E.
429674. NW63A. Pangu. Elevation 2,760 m. Latitude 27°34.7'N. Longitude 86°44.7'E.
429675. NW64A. Poyam (Paiyang). Elevation 2,745 m. Latitude 27°38.5'N. Longitude 86°43.8'E.

429495 to 429712—Continued**429620 to 429712—Continued**

429676. NW65A. Kharikola. Elevation 1,890 m. Latitude 27°35.9'N. Longitude 86°42.8'E.
429677. NW67A. Chaunrikharka. Elevation 2,665 m. Latitude 27°33.4'N. Longitude 86°44.5'E.
429678. NW68A. Ghat. Elevation 2,485 m. Latitude 27°43.4'N. Longitude 86°42.9'E.
429679. NW69A. Monjo. Elevation 2,710 m. Latitude 27°46.5'N. Longitude 86°43.7'E.
429680. NW70A. Peingorra. Elevation 2,530 m. Latitude 27°45.7'N. Longitude 86°43.9'E.
429681. NW71A. Pangdingma. Elevation 2,470 m. Latitude 27°44.2'N. Longitude 86°43.8'E.
429682. NW72A. Nachipundo. Elevation 2,515 m. Latitude 27°42.0'N. Longitude 86°44.4'E.
429683. NW75A. Lukla. Elevation 2,820 m. Latitude 27°41.3'N. Longitude 86°44.7'E.
429684. NW77A. Jubing. Elevation 1,675 m. Latitude 27°35.1'N. Longitude 86°40.6'E.
429685. NW79A. Ringmo. Elevation 2,895 m. Latitude 27°35.2'N. Longitude 86°37.4'E.
429686. NW80A. Deko. Elevation 2,285 m. Latitude 27°35.2'N. Longitude 86°38.3'E.
429687. NW84A. Salung. Elevation 2,895 m. Latitude 27°34.3'N. Longitude 86°35.2'E.
429688. NW85A. Gonba. Elevation 2,805 m. Latitude 27°35.5'N. Longitude 86°36.9'E.
429689. NW86A. Namuchay. Elevation 2,985 m. Latitude 27°34.1'N. Longitude 86°36.9'E.
429690. NW87A. Junbesi. Elevation 2,675 m. Latitude 27°34.9'N. Longitude 86°32.5'E.
429691. NW88A. Taktor (Tragdobuk). Elevation 2,860 m. Latitude 27°43.3'N. Longitude 86°31.8'E.
429692. NW89A. Tumbu. Elevation 2,745 m. Latitude 27°34.0'N. Longitude 86°33.1'E.
429693. NW90A. Sete. Elevation 2,575 m. Latitude 27°34.6'N. Longitude 86°26.8'E.
429694. NW91A. Chumbok. Elevation 2,200 m. Latitude 27°35.1'N. Longitude 86°25.6'E.
429695. NW92A. Bhandar. Elevation 2,200 m. Latitude 27°34.4'N. Longitude 86°21.2'E.
429696. NW93A. Kosrobas. Elevation 2,330 m. Latitude 27°36.2'N. Longitude 86°19.1'E.
429697. NW94A. Gonda (Mali). Elevation 2,800 m. Latitude 27°36.6'N. Longitude 86°21.2'E.

429495 to 429712—Continued

429698. NW95A. Chikribas. Elevation 1,830 m. Latitude 27°37.7'N. Longitude 86°12.1'E.
429699. NW96A. Yatsa (Yarsa). Elevation 1,800 m. Latitude 27°37.8'N. Longitude 86°9.2'E.
429700. NW97A. Surke. Elevation 1,705 m. Latitude 27°40.7'N. Longitude 86°58.1'E.
429701. NW98A. Peykru (Petku). Elevation 1,675 m. Latitude 27°43.9'N. Longitude 85°52.4'E.
429702. NW99A. Ritak. Elevation 2,975 m. Latitude 27°48.0'N. Longitude 87°27.3'E.
429703. NW99B. Ritak. Elevation 2,975 m. Latitude 27°48.0'N. Longitude 87°27.3'E.
429704. NW100A. Chumisur. Elevation 2,750 m. Latitude 27°50.0'N. Longitude 87°25.0'E.
429705. NW101A. Gudi Gomba. Elevation 2,675 m. Latitude 27°46.2'N. Longitude 87°24.2'E.
429706. NW102A. Chyamtang. Elevation 2,525 m. Latitude 27°45.3'N. Longitude 87°26.2'E.
429707. NW103A. Chepua. Elevation 2,125 m. Latitude 27°45.7'N. Longitude 87°24.2'E.
429708. NW104A. Rukuma. Elevation 2,125 m. Latitude 27°43.8'N. Longitude 87°24.2'E.
429709. NW105A. Honggaon. Elevation 2,325 m. Latitude 27°46.0'N. Longitude 87°21.5'E.
429710. NW106A. Hatia. Elevation 1,925 m. Latitude 27°43.7'N. Longitude 87°20.5'E.
429711. NW107A. Robisa (Sekedim). Elevation 2,450 m. Latitude 27°37.5'N. Longitude 87°14.9'E.
429712. NW108. Sedua. Elevation 2,125 m. Latitude 27°35.1'N. Longitude 87°15.8'E.

429713 to 429744.

From Indonesia. Collection of clones sponsored by the International Society of Sugarcane Technologists. Letters in field numbers refer to individual collectors. Numbered September 25, 1978.

429713. *ERIANTHUS* sp. Poaceae.

IK76-62. Balikpapan-Banjarmasin road, 3 km from Panajam, Borneo. Roadside ditch. Elevation 20 m. Wild.

429714. *ERIANTHUS* sp.

IJ76-389. Kao River, Butiptiri-Anggamburan, West Irian. Low muddy bank. Elevation 60 m. Wild.

429715 to 429717. *SACCHARUM EDULE* Hassk. Poaceae.

429715. IJ76-375. Between Anggai and Butiptiri, West Irian. Thicket on edge of high river bank. Elevation 50 m. Leaves glabrous. Local name "beten awup." Cultivated.

429495 to 429712—Continued

429715 to 429717—Continued

429716. IJ76-441. Baneba Creek joining Nabire River, West Irian. Sandy bank. Elevation 10 m. Broad pubescent leaves. White inflorescence. Intercalary meristem red. Wild.

429717. IJ76-551. Amban, Manokwari, West Irian. Elevation 90 m. Leaves pubescent. Local name "tebu ikan." Cultivated.

429718 to 429721. SACCHARUM OFFICINARUM L. Sugarcane.

429718. IK76-12. Kapuas River, Krapas kampung, Borneo. Originally from Pontianak. Sea level. Local name "tebu." Cultivated.

429719. IK76-73. Moddang kampung, 104 km from Panajam, Borneo. Elevation 69 m. Mixed morphological features. Local name "tebu merab." Cultivated.

429720. IJ76-453. Menijagi, West Irian. Steep limestone hill above Lake Tage, southern shore. Elevation 1852 m. Local name "gowei." Cultivated.

429721. IJ76-465. Makidimii, Agrbado River, West Irian. Elevation 1750 m. Flesh brown. Cultivated.

429722 to 429736. SACCHARUM ROBUSTUM Brandes & Jeswiet ex Grassl

429722. IS76-184. Palopo-Masamba road, 13 km from Palopo. Wara kampung, Celebes. Also in fence rows around Palu. Elevation 20 m. Erect, hard clone. Local name "uraso." Cultivated.

429723. IM76-234. Up Wangiata River 8 km from Tanjung Loleo, North Moluccas. Two km downstream from crossing. Fringe of sago swamp. Elevation 5 m. Local name "jojo." Wild.

429724. IJ76-279. Pikehe, edge of high bank Baliem River, Irian Jaya. Elevation 1680 m. Local name "jagat." Wild.

429725. IJ76-352. Digul River, Anggai junction with Kao River, West Irian. Muddy river bank. Elevation 50m. Red intercalary meristems extending internally. Wild.

429726. IJ76-417. Sentani road, Sentani-Jayapura, West Irian. Gravel creek bank. Elevation 50 m. Leaves pubescent. Prominent bud groove. Wild.

429727. IJ76-445. Nabire River, West Irian. Sandy river bed. Elevation 10 m. Leaves pubescent. Late flowering. Wild.

429728. IJ76-460. Agrbado River (northeast of Lake Paniai), West Irian. River bank mixed with *Phragmites kharka*. Elevation 1750 m. Leaves glabrous. Well developed nodal hair group. Small stool 1.5 m tall. Local name "pagimoo." Wild.

429729. IJ-461. Agrbado River (northeast of Lake Paniai), West Irian. River bank mixed with *Phragmites kharka*. Elevation 1750 m. Local name "pagimoo." Wild.

429730. IJ76-482. Mimika River (below junction with Kapare River), West Irian. Low muddy island. Sea level. Leaves pubescent. Thin stalked. Wild.

429731. IJ76-499. Kapare River, West Irian. Sea level. Leaf blades pubescent, leaf sheaths highly pubescent. Wild.

429495 to 429712—Continued**429722 to 429736—Continued**

429732. IJ76-501. Mimika River, West Irian. Sea level. Leaves pubescent, droopy. Culms thin, yellow. Wild.

429733. IJ76-504. Mimika River, West Irian. Sea level. Leaves droopy. Thin culms. Wild.

429734. IJ76-534. Tembuni River, below Tembuni, West Irian. Steep muddy bank. Elevation 100 m. Culms large, yellow. Wild.

429735. IJ76-536. Tembuni River, below Tembuni, West Irian. Steep muddy bank. Elevation 100 m. Leaves glabrous. Red intercalary meristem on young culms. Wild.

429736. IJ76-546. Tembuni River, West Irian. Extensive thicket on steep muddy bank. Elevation 100 m. Leaves glabrous. Wild.

429737 to 429744. SACCHARUM SPONTANEUM L.

429737. IK76-10. Kapuas River, Borneo. Low mud bank, thicket mixed with shrubs. Sea level. Early flowering. Wild.

429738. IS76-125. Gumbasa River near bridge for Palu-Kulawi road, Borneo. Rocky riverbed. Common. Elevation 120 m. Wild.

429739. IS76-128. Momi River on Palu-Kulawi road, 56 km from Palu, Borneo. Along river bank above a ford. Elevation 410 m. Wild.

429740. IS76-171. Makale-Ujung Pandang road, 262 km from Ujung Pandang, Celebes. Steep road side bank. Isolated stool. Elevation 594 m. Local name "belalang." Wild.

429741. IS76-186. Palopo-Masamba road, 15 km from Palopo, Celebes. Open paddock near village. Grazed by cattle. Elevation 20 m. Local name "beang." Wild.

429742. IS76-194. Manado-Tomohon road, 8 km from Manado, Celebes. Road side stool. Common. Elevation 50 m. Wild.

429743. IS76-216. Topatogop, Celebes. Steep road bank, disturbed land. Mixed with *Lantana*. Elevation 208 m. Local name "kano kano." Wild.

429744. IS76-217. Pusian kampung, Molong River, Celebes. River bank in heavy undergrowth at edge of coffee plantation. Elevation 90 m. Local name "kano kano." Wild.

429745. LUPINUS ANGUSTIFOLIUS L. Fabaceae.**European blue lupine.**

From New Zealand. Seed presented by A. D. Paterson, Department of Scientific and Industrial Research, Plant Physiology Division, Palmerston North. Numbered September 25, 1978.

'Bitter Blue'.

429746 to 429752. ORYZA SATIVA L. Poaceae. Rice.

From India. Seed presented by Division of Plant Introduction, Indian Agricultural Research Institute, New Delhi. Numbered September 25, 1978.

429746. Improved Sabarmati. Indian Agricultural Research Institute, New Delhi.

429747. Jamuna. IARI, New Delhi.

429748. Jamuna. CRRI, Cuttack.

429495 to 429712—Continued

429749. Pusa-33. IARI, New Delhi.
 429750. Pusa-33. CRRI, Cuttack.
 429751. Sabarmati. IARI, New Delhi.
 429752. Sabarmati. CRRI, Cuttack.

429753. MACROPTILIUM ATROPURPUREUM (DC.) Urb. Fabaceae. Siratro.

From Australia. Seed presented by Plant Introduction Section, Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra. Numbered September 25, 1978.

429754 to 429770. ORYZA SATIVA L. Poaceae. Rice.

From Brazil. Seed presented by EMBRAPA, Centro Nacional De Recursos Geneticos, Brasilia. Numbered September 25, 1978.

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| 429754. Agulha. | 429763. EEA-405. |
| 429755. Agulha bico torto. | 429764. EEA-406. |
| 429756. Bonnet 73. | 429765. IAS-12-9 Formosa. |
| 429757. EEA-201. | 429766. IRGA-407. |
| 429758. EEA-301. | 429767. IRGA-408. |
| 429759. EEA-303. | 429768. Japones chumbinho. |
| 429760. EEA-304. | 429769. P-790-B4-4-1-T. |
| 429761. EEA-401. | 429770. Stirpe. |
| 429762. EEA-404. | |

429771 to 429808.

From Union of Soviet Socialist Republics. Seed presented by K. Borangaziev, Kazakh Scientific Research Institute, Alma-Ata, Kazakhstan. Numbered September 25, 1978.

- 429771 to 429774. AGROPYRON CRISTATUM (L.) Gaertn. Poaceae.
 Fairway crested wheatgrass.
- | | |
|--------------|--------------|
| 429771. 189. | 429773. 241. |
| 429772. 240. | 429774. 242. |
429775. AGROPYRON DESERTORUM (Fisch. ex Link) Schult.
 Crested wheatgrass.

77.

- 429776 to 429779. AGROPYRON PECTINIFORME Roem & Schult. Wheatgrass.
- | | |
|--------------|--------------|
| 429776. 678. | 429778. 720. |
| 429777. 695. | 429779. 724. |
- 429780 to 429787. AGROPYRON REPENS (L.) Beauv.
- | | |
|---------------|---------------|
| 429780. 100. | 429784. 3052. |
| 429781. 1951. | 429785. 3056. |
| 429782. 1953. | 429786. 3096. |
| 429783. 3037. | 429787. 3133. |

429495 to 429712—Continued

- 429788 to 429794. *AGROPYRON SIBIRICUM* (Willd.) Beauv.
Siberian wheatgrass.
- | | | | |
|---------|------|---------|-------|
| 429788. | 86. | 429792. | 722. |
| 429789. | 87. | 429793. | 1145. |
| 429790. | 235. | 429794. | 1928. |
| 429791. | 718. | | |
429795. *ELYMUS ANGUSTUS* Trin. Poaceae. Altai wildrye.
686.
- 429796 and 429797. *ELYMUS SIBIRICUS* L. Wildrye.
429796. 1735.
429797. 1758.
- 429798 to 429808. *PSATHYRSTACHYS JUNCEA* (Fisch.) Nevski Poaceae.
Russian wildrye.
- | | | |
|---------|-------|---------------------------------|
| 429798. | 672. | Synonym <i>Elymus junceus</i> . |
| 429799. | 679. | Synonym <i>Elymus junceus</i> . |
| 429800. | 681. | Synonym <i>Elymus junceus</i> . |
| 429801. | 689. | Synonym <i>Elymus junceus</i> . |
| 429802. | 697. | Synonym <i>Elymus junceus</i> . |
| 429803. | 701. | Synonym <i>Elymus junceus</i> . |
| 429804. | 711. | Synonym <i>Elymus junceus</i> . |
| 429805. | 715. | Synonym <i>Elymus junceus</i> . |
| 429806. | 723. | Synonym <i>Elymus junceus</i> . |
| 429807. | 1136. | Synonym <i>Elymus junceus</i> . |
| 429808. | 1137. | Synonym <i>Elymus junceus</i> . |

429809. *GLYCINE CLANDESTINA* Wendl. Fabaceae.

From Australia. Seed presented by I. C. Murfet, Department of Botany, University of Tasmania, Hobart, Tasmania. Numbered September 26, 1978. Unknown Tasmanian collection site.

429810 to 429834.

From Australia. Seed presented by the Soil Conservation Service, New South Wales, through CSIRO, Division of Plant Industry, Plant Introduction Section, Canberra. Numbered September 26, 1978.

- 429810 to 429814. *ERAGROSTIS CHLOROMELAS* Steud. Poaceae.
Boer lovegrass.
- | | | |
|---------|------------|---|
| 429810. | 2748. | CPI 14369. Cowra SCS Research Centre. Tall type. |
| 429811. | 3019/4576. | CSIRO No. 7. Tall type. |
| 429812. | 4624. | CPI 30374. New South Wales Department of Agriculture
No. P5863. Short type. |
| 429813. | 4625. | CPI 30375. New South Wales Department of Agriculture.
No. P5864. Short type. |
| 429814. | 4657. | B/52/143 from Caledon, Cape Province, South Africa. |

429713 to 429744—Continued

- 429815 to 429832. *ERAGROSTIS CURVULA* (Schr.) Nees **Poaceae.**
Weeping lovegrass.
429815. 809. Cowra SCS Research Centre.
429816. 3039. Kromdraai. Robusta intermediate.
429817. 4604. N/69/221 from South Africa. Selection 4049.
429818. 4608. N/69/222 from South African. Selection 4053. Robusta blue.
429819. 4611. CSIRO No. 9. Robusta blue.
429820. 4612. CPI 30806. CSIRO No. 13. Robusta blue.
429821. 4616. CPI 30380. CSIRO No. 137. Robusta blue.
429822. 4622. CPI 30372. New South Wales Department of Agriculture P5861. Robusta blue.
429823. 4627. CPI 30377. New South Wales Department of Agriculture P5866. Robusta intermediate.
429824. 4630. New South Wales Department of Agriculture P5869. Robusta blue.
429825. 4636. B/57/117 from Grootfontein, Cape Province, South Africa.
429826. 4644. M/66/31 from Cape Province. Robusta green.
429827. 4646. B/63/21 from Middelburg, Transvaal, South Africa. Robusta green.
429828. 4647. Originally from South Africa. Robusta green.
429829. 4650. B/71/68 from Natal, South Coast, South Africa. Robusta green.
429830. 4652. B/52/54 from De Doorns, Cape Province, South Africa. Robusta blue.
429831. 4655. B/71/59 from Cedara Agriculture College, South Africa. Robusta blue.
429832. 4660. Grikwastad, Cape Province, South Africa. Robusta green.
429833. *ERAGROSTIS CURVULA* var. *CONFERTA* Nees
4663. CPI 79726. B/53/52 from Cape Province, South Africa.
429834. *ERAGROSTIS LEHMANNIANA* Nees **Lehmann lovegrass.**
4686. Western Australia Department of Agriculture. Vigorous rhizomes.
429835. *LYCOPERSICON ESCULENTUM* Mill. **Solanaceae. Tomato.**
From United States. Seed presented by Subtropical Horticulture Research Unit, Miami, Florida. Numbered September 27, 1978.
'Santa Cruz'. Plant indeterminate. Fruit slightly elongated, 5 cm long by 4.5 cm wide, color red, sweet, very firm. Fruits during hot weather. Cultivated.
- 429836 to 429838. *LENS CULINARIS* Medik. **Fabaceae. Lentil.**
From Iran. Seed presented by Walter J. Kaiser, Western Regional Plant Introduction Station, Pullman, Washington. Received September 18, 1978.
429836. Ghazvin area. Bush type. Large seeded. Susceptible to virus and root rot. Originally collected in 1966. Local name adas. Cultivated.

429746 to 429752—Continued

429837. Hammadan area. Bush type. small reddish-brown seed. May have some insect resistance. Seed originally collected in 1970. Local name adas. Cultivated.

429838. Isfahan area. Bush type. Small reddish-brown seed. Some resistance to root rot and virus. Seed originally collected in 1966. Local name adas. Cultivated.

429839 to 429856. PISUM SATIVUM L. Fabaceae. Garden pea.

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov Institute of Plant Industry, Leningrad. Numbered September 27, 1978.

429839. VIR 1881. 'Musus'. Afghanistan.

429840. VIR 4386. 'Rannij Konservnyj 20/21'. Krasnodar Territory.

429841. VIR 4464. 'Pobeditel G-33'. Moscow Region.

429842. VIR 4475. 'Nevskij 9'. Leningrad Region.

429843. VIR 4820. 'Torsdag'. Latvian S.S.R.

429844. VIR 4828. 'Priekulskij L 56'. Latvian S.S.R.

429845. VIR 4855. 'Kombajnovyj 5'. Sverdlovsk Region.

429846. VIR 5096. 'Ukosnyj 1'. Ukrainian S.S.R.

429847. VIR 5270. 'Nosovski 24'. Ukrainian S.S.R.

429848. VIR 5451. 'Jeleniecki'. Poland.

429849. VIR 5519. 'Uzbekskij'. Uzbek S.S.R.

429850. VIR 5550. 'Melkosemyanni 2'. Baskir S.S.R.

429851. VIR 5705. 'Victoria Stambovaja 91'. Kirghiz S.S.R.

429852. VIR 5737. 'Weibulls Line 699'. Sweden.

429853. VIR 5954. 'Shirobana-Kinusaya'. Japan.

429854. VIR 5966. 'Pauli'.

429855. VIR 6530. 'Meteor'.

429856. VIR 6977. 'Borec'.

429857 to 429860.

From Pakistan. Seed collected 1974 by Bangor-Lyallpur Universities Expedition under supervision of J. R. Witcombe, School of Plant Biology, University of North Wales, Bangor, Wales. Numbered September 27, 1978.

429857 to 429859. AVENA STERILIS L. Poaceae. **Animated oats.**

429857. A13. Nagir. Elevation 2,590 m. Latitude 36°16'N.; longitude 74°44'E.

429858. A26. Yasin. Elevation 2,470 m. Latitude 36°23'N; longitude 73°20'E.

429859. A59. Gurikot. Elevation 2,440 m. Latitude 35°17'N; longitude 74°51'E.

429860. TRITICUM AESTIVUM L. Poaceae.

Wheat.

W51. Idgah. Elevation 2,380 m. Latitude 35°20'N; longitude 74°50'E.

- 429861. ORYZA SATIVA L. Poaceae. Rice.**
From Pakistan. Seed presented by Nuclear Institute for Agriculture and Biology, Jhang Road, Faisalabad. Numbered September 27, 1978. 'Kashmir Basmati'.
- 429862. ORYZA SATIVA L. Poaceae. Rice.**
From West Germany. Seed presented by Botanischer Garten der Universitat des Saarlandes, D-6600 Saarbrucken. Numbered September 28, 1978. 667.
- 429863 and 429864. ORYZA SATIVA L. Poaceae. Rice.**
From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov Institute of Plant Industry, Leningrad. Numbered September 28, 1978.
429863. Jubilejnyj. WTR 5450 from Krasnodar territory.
429864. Krasnodarskij 424. WTR 3870 from Krasnodar territory.
- 429865. ORYZA SATIVA L. Poaceae. Rice.**
From Italy. Seed presented by Ente Nazionale Risi, Rice Research Centre, Mortara (PV). Numbered September 28, 1978. MMS.
- 429866. ORYZA SATIVA L. Poaceae. Rice.**
From Zaire. Seed presented by J. Williams, Agricultural Attache; collected by PCV—Tom Wayman at a village west of Mbuji Mayi, Mulowaie, Kasai Oriental. Numbered September 28, 1978.
Mountain rice. Latitude 6° S, Longitude 23.7° E.
- 429867 to 430132.**
From India. Seed collected 1976 by Bangor-Northern India Expedition under supervision of J. R. Witcombe, School of Plant Biology, University of North Wales, Bangor, Wales. A, C, N, R, and W prefixes refer to Avena, Barley, Naked barley, Rye and Wheat respectively. Village names or nearby localities follow collection designations. Numbered September 28, 1978.
- 429867. AVENA sp. Poaceae.**
A118. Skianku. Elevation 3,020 m. Latitude 34°16'N; longitude 76°01'E.
- 429868. AVENA sp.**
A126. Mulbech. Elevation 3,360 m. Latitude 34°22'N; longitude 76°23'E.
- 429869 to 430002. HORDEUM VULGARE L. Poaceae. Barley.**
429869. N105. Milgagar. Elevation 2,990 m. Latitude 34°17'N; longitude 75°20'E.
429870. N106. Pindras. Elevation 2,830 m. Latitude 32°24'N; longitude 75°35'E.
429871. N107. Dras. Elevation 2,900 m. Latitude 34°25'N; longitude 75°46'E.
429872. N108. Tasgam. Elevation 2,480 m. Latitude 34°28'N; longitude 75°55'E.
429873. N109. Chunagund. Elevation 2,260 m. Latitude 34°35'N; longitude 76°05'E.

429867 to 430132—Continued**429869 to 430002—Continued**

429874. N110. Trizpon. Elevation 2,670 m. Latitude 34°25'N; longitude 76°04'E.
429875. N111. Pharon. Elevation 2,710 m. Latitude 34°22'N; longitude 75°57'E.
429876. N112. Yagza (Uploa). Elevation 2,900 m. Latitude 34°19'N; longitude 75°52'E.
429877. N113. Sanko. Elevation 2,830 m. Latitude 34°16'N; longitude 75°57'E.
429878. N114. Partek. Elevation 2,830 m. Latitude 34°12'N; longitude 75°55'E.
429879. N115. Karki. Elevation 2,860 m. Latitude 34°08'N; longitude 75°57'E.
429880. N116. Tangul. Elevation 2,960 m. Latitude 34°03'E; longitude 75°57'E.
429881. N117. Parkutse. Elevation 3,200 m. Latitude 34°05'N; longitude 76°00'E.
429882. N118. Skianku. Elevation 3,020 m. Latitude 34°16'N; longitude 76°01'E.
429883. N119. Shispur. Elevation 3,320 m. Latitude 34°14'N; longitude 76°05'E.
429884. N120. Shargundik. Elevation 3,370 m. Latitude 34°13'N; longitude 76°09'E.
429885. N121. Marpoil. Elevation 3,660 m. Latitude 34°21'N; longitude 76°06'E.
429886. N122. Sapfi (Gomagil). Elevation 3,960 m. Latitude 34°22'N; longitude 76°09'E.
429887. C123. Phokar (Lastlong). Elevation 3,680 m. Latitude 34°22'N; longitude 76°13'E.
429888. N123. Phokar (Lastlong). Elevation 3,680 m. Latitude 34°22'N; longitude 76°13'E.
429889. N124. Lotsun. Elevation 2,830 m. Latitude 34°28'N; longitude 76°15'E.
429890. C125. Shergol. Elevation 3,140 m. Latitude 34°23'N; longitude 76°19'E.
429891. N125. Shergol. Elevation 3,140 m. Latitude 34°23'N; longitude 76°19'E.
429892. N126. Mulbech. Elevation 3,360 m. Latitude 34°22'N; longitude 76°23'E.
429893. N127. Numke (Namtse). Elevation 3,530 m. Latitude 34°21'N; longitude 76°27'E.
429894. C128. Churtanchan. Elevation 3,580 m. Latitude 34°28'N; longitude 76°30'E.
429895. N128. Churtanchan. Elevation 3,580 m. Latitude 34°28'N; longitude 76°30'E.

429867 to 430132—Continued

429869 to 430002—Continued

429896. N129. Sambra. Elevation 3,340 m. Latitude 34°25'N; longitude 76°33'E.
429897. N130. Gomal. Elevation 3,700 m. Latitude 34°20'N; longitude 76°30'E.
429898. N131. Bod Kharbu. Elevation 3,350 m. Latitude 34°21'N; longitude 76°34'E.
429899. N132. Chispiyanzan. Elevation 3,690 m. Latitude 34°18'N; longitude 76°41'E.
429900. N133. Kangi. Elevation 3,660 m. Latitude 34°13'N; longitude 76°34'E.
429901. N134. Lamayuru. Elevation 3,410 m. Latitude 34°17'N; longitude 76°46'E.
429902. N136. Khalsi. Elevation 2,900 m. Latitude 34°19'N; longitude 76°52'E.
429903. N137. Narula (Nurta). Elevation 2,830 m. Latitude 34°18'N; longitude 76°59'E.
429904. N138. Saspul. Elevation 2,960 m. Latitude 34°15'N; longitude 77°10'E.
429905. C139. Nimu. Elevation 3,050 m. Latitude 34°12'N; longitude 77°20'E.
429906. N139. Nimu. Elevation 3,050 m. Latitude 34°12'N; longitude 77°20'E.
429907. N140. Sothe, east of Tharu. Elevation 3,380 m. Latitude 34°14'N; longitude 77°30'E.
429908. N141. Leh. Elevation 3,380 m. Latitude 34°10'N; longitude 77°35'E.
429909. N142. Stak. Elevation 3,320 m. Latitude 34°03'N; longitude 77°33'E.
429910. C143. She. Elevation 3,110 m. Latitude 34°05'N; longitude 77°37'E.
429911. N144. Shakti (Chimre). Elevation 3,780 m. Latitude 33°57'N; longitude 77°47'E.
429912. C145. Martselang. Elevation 3,510 m. Latitude 33°54'N; longitude 77°44'E.
429913. N145. Martselang. Elevation 3,510 m. Latitude 33°54'N; longitude 77°44'E.
429914. C149. Kanga (Ganga). Elevation 990 m. Latitude 33°15'N; longitude 75°10'E.
429915. C152. Dharmund. Elevation 1,310 m. Latitude 33°08'N; longitude 75°21'E.
429916. C156. Doda. Elevation 1,160 m. Latitude 33°09'N; longitude 75°33'E.
429917. C157. Gat. Elevation 1,070 m. Latitude 33°09'N; longitude 75°35'E.

429867 to 430132—Continued**429869 to 430002—Continued**

429918. C158. Puldoda, near Gangoth. Elevation 1,370 m. latitude 33° 08'N; longitude 75°32'E.
429919. C161. Songli, near Sarna. Elevation 1,800 m. Latitude 33°00'N; longitude 75°42'E.
429920. C162. Tibba. Elevation 2,680 m. Latitude 33°00'N; longitude 75°46'E.
429921. C163. Premnagar, near Sharmnot. Elevation 910 m. Latitude 33°09'N; longitude 75°42'E.
429922. C164. Kanini. Elevation 970 m. Latitude 33°12'N; longitude 75°48'E.
429923. C165. Sangrambata (Kishtwar). Elevation 1,100 m. Latitude 33°18'N; longitude 75°45'E.
429924. C167. Bandaikut. Elevation 1,160 m. Latitude 33°21'N; longitude 75°45'E.
429925. C168. Dul. Elevation 1,520 m. Latitude 33°21'N; longitude 75°47'E.
429926. C170. Athole (Arthal). Elevation 1,930 m. Latitude 33°15'N; longitude 76°11'E.
429927. C171. Bistaun. Elevation 2,680 m. Latitude 33°09'N; longitude 76°16'E.
429928. C172. Gosti. Elevation 2,670 m. Latitude 33°05'N; longitude 76°22'E.
429929. C173. Hanswani, near Niwa. Elevation 1,580 m. Latitude 32°53' N; longitude 76°11'E.
429930. C174. Tibba (Sordona). Elevation 1,650 m. Latitude 32°49'N; longitude 76°09'E.
429931. C175. Kela (Koila). Elevation 1,130 m. Latitude 32°46'N; longitude 76°08'E.
429932. C176. Salooni (Dhabiunda). Elevation 1,730 m. Latitude 32°43' N; longitude 76°01'E.
429933. C177. Bera, near Barotha. Elevation 920 m. Latitude 32°38'N; longitude 76°05'E.
429934. C178. Chanade. Elevation 1,010 m. Latitude 32°34'N; longitude 76°05'E.
429935. C179. Batheri. Elevation 1,150 m. Latitude 32°33'N; longitude 76°08'E.
429936. C180. Megzin, near Kunan. Elevation 1,260 m. Latitude 32°31'N; longitude 75°57'E.
429937. C182. Bag, north of Tipri. Elevation 1,140 m. Latitude 32°29' N; longitude 76°09'E.
429938. C185. Garola (Gharol). Elevation 1,590 m. Latitude 32°26'N; longitude 76°27'E.
429939. C186. Sathli, near Mahun. Elevation 1,970 m. Latitude 32°27'N; longitude 76°36'E.

429867 to 430132—Continued**429869 to 430002—Continued**

429940. C187. Shaur (Bishure). Elevation 2,410 m. Latitude 32°53'N; longitude 76°28'E.
429941. N189. Nammu. Elevation 3,580 m. Latitude 32°44'N; longitude 76°39'E.
429942. N190. Kamri, near Leh Baring. Elevation 2,860 m. Latitude 32°39'N; longitude 76°46'E.
429943. N191. Kyelang. Elevation 2,960 m. Latitude 32°35'N; longitude 77°00'E.
429944. N192. Kawaring (Saurang). Elevation 3,330 m. Latitude 32°38'N; longitude 77°08'E.
422945. C193. Palchan. Elevation 2,290 m. Latitude 32°19'N; longitude 77°09'E.
429946. C195. Katrain. Elevation 1,530 m. Latitude 32°05'N; longitude 77°08'E.
429947. C196. Garot. Elevation 1,820 m. Latitude 32°02'N; longitude 76°50'E.
429948. C197. Gadhar (Gadiarah). Elevation 1,720 m. Latitude 32°00'N; longitude 76°48'E.
429949. C199. Bhuntar. Elevation 1,040 m. Latitude 31°52'N; longitude 77°12'E.
429950. C200. Jari, north of Dharmaot. Elevation 1,550 m. Latitude 32°00'N; longitude 77°15'E.
429951. C202. Nactan, east of Barsheni. Elevation 2,300 m. Latitude 32°00'N; longitude 77°29'E.
429952. C204. Sangri. Elevation 1,800 m. Latitude 31°04'N; longitude 78°12'E.
429953. C205. Goichran. Elevation 1,310 m. Latitude 31°04'N; longitude 78°07'E.
429954. C210. Barkot. Elevation 1,280 m. Latitude 30°48'N; longitude 78°14'E.
429955. C211. Naugaon (Nawagaon). Elevation 1,100 m. Latitude 30°47'N; longitude 78°09'E.
429956. N211. Naugaon (Nawagaon). Elevation 1,100 m. Latitude 30°47'N; longitude 78°09'E.
429957. C212. Kaun (Khawalun). Elevation 910 m. Latitude 30°44'N; longitude 78°07'E.
429958. C213. Lakha Mandal. Elevation 1,040 m. Latitude 30°43'N; longitude 78°04'E.
429959. C215. Bidogi. Elevation 970 m. Latitude 30°38'N; longitude 78°03'E.
429960. C216. Surnji, 5 km north of Mussoorie. Elevation 1,100 m. Latitude 30°27'N; longitude 78°03'E.
429961. C217. Buranskanda. Elevation 2,320 m. Latitude 30°22'N; longitude 78°19'E.

429867 to 430132—Continued**429869 to 430002—Continued**

429962. C220. Chaundhar, near Bharpur. Elevation 1,010 m. Latitude 30°30'N; longitude 78°29'E.
429963. C221. Dhaneti. Elevation 1,400 m. Latitude 30°32'N; longitude 78°29'E.
429964. N221. Dhaneti. Elevation 1,400 m. Latitude 30°30'N; longitude 78°29'E.
429965. C222. Ludhad, near Daunra. Elevation 1,680 m. Latitude 30°37'N; longitude 78°31'E.
429966. N222. Ludhad, near Daunra. Elevation 1,680 m. Latitude 30°37'N; longitude 78°31'E.
429967. C223. Pholad Santarn (Santangaon). Elevation 1,680 m. Latitude 30°39'N; longitude 78°29'E.
429968. C224. Kamar. Elevation 1,920 m. Latitude 30°43'N; longitude 78°33'E.
429969. C225. Salu (Sialu). Elevation 1,710 m. Latitude 30°45'N; longitude 78°35'E.
429970. C226. Riathal. Elevation 2,200 m. Latitude 30°49'N; longitude 78°36'E.
429971. C227. Salung & Odhar (Salung). Elevation 1,980 m. Latitude 30°50'N; longitude 78°39'E.
429972. C229. Jamu, near Tirsali. Elevation 1,310 m. Latitude 30°35'N; longitude 79°01'E.
429973. C230. Giwala. Elevation 880 m. Latitude 30°24'N; longitude 79°03'E.
429974. C231. Sari. Elevation 1,340 m. Latitude 30°31'N; longitude 79°07'E.
429975. C232. Mandal. Elevation 1,160 m. Latitude 30°27'N; longitude 79°15'E.
429976. C233. Chetarpal (Bhuthalia). Elevation 640 m. Latitude 30°24'N; longitude 79°21'E.
429977. N234. Benakula, 2 km south of Hanuman Chatti. Elevation 2,440 m. Latitude 30°41'N; longitude 79°31'E.
429978. C235. Pandukeshwar. Elevation 2,000 m. Latitude 30°38'N; longitude 79°32'E.
429979. C236. Hilang. Elevation 1,460 m. Latitude 30°31'N; longitude 79°30'E.
429980. C237. Tefna (Raibukti). Elevation 1,020 m. Latitude 30°18'N; longitude 79°20'E.
429981. N237. Tefna (Raibukti). Elevation 1,020 m. Latitude 30°18'N; longitude 79°20'E.
429982. C238. Lolti. Elevation. 1,730 m. Latitude 30°03'N; longitude 79°30'E.
429983. C239. Meladongri (Pojena). Elevation 1,270 m. Latitude 29°56'N; longitude 79°36'E.

429867 to 430132—Continued**429869 to 430002—Continued**

429984. C240. Bijoria (Kausani). Elevation 1,610 m. Latitude 29°51'N; longitude 79°35'E.
429985. C241. Bahuli. Elevation 1,030 m. Latitude 29°51'N; longitude 79°45'E.
429986. C242. Nagarshaun, 3 km north of Masauli. Elevation 1,700 m. Latitude 29°51'N; longitude 79°51'E.
429987. C243. Jhaunpra. Elevation 1,980 m. Latitude 29°57'N; longitude 79°59'E.
429988. C244. Ganai. Elevation 1,150 m. Latitude 29°43'N; longitude 79°58'E.
429989. C245. Kunjanpur (Gangalinat). Elevation 1,760 m. Latitude 29°39'N; longitude 80°04'E.
429990. N245. Kunjanpur (Gangalinat). Elevation 1,760 m. Latitude 29°39'N; longitude 80°04'E.
429991. C246. Bana. Elevation 1,640 m. Latitude 29°45'N; longitude 80°04'E.
429992. C247. Lidyari (Chaukori). Elevation 1,670 m. Latitude 29°50'N; longitude 80°01'E.
429993. C248. Timtiya. Elevation 1,060 m. Latitude 29°56'N; longitude 80°08'E.
429994. C249. Kana. Elevation 1,760 m. Latitude 29°44'N; longitude 80°12'E.
429995. C250. Mansinghanda (Manatgaon). Elevation 1,610 m. Latitude 29°45'N; longitude 80°17'E.
429996. C251. Panthiali. Elevation 1,310 m. Latitude 29°51'N; longitude 80°16'E.
429997. C252. Dhun. Elevation 790 m. 29°47'N; longitude 80°24'E.
429998. C253. Gugna. Elevation 1,310 m. Latitude 29°29'N; longitude 80°08'E.
429999. C254. Gauriat. Elevation 1,640 m. Latitude 29°34'N; longitude 80°21'E.
430000. C256. Mehata. Elevation 1,240 m. Latitude 29°41'N; longitude 79°38'E.
430001. C257. Timladigi, near Naula. Elevation 1,700 m. Latitude longitude 79°33'E.
430002. C258. Gangori (Manarsa). Elevation 1,090 m. Latitude 29°32'N; longitude 79°32'E.

430003 and 430004. SECALE CEREALE L. Poaceae.**Rye.**

430003. R192. Kawaring (Saurang). Elevation 3,330 m. Latitude 32°38'N; longitude 77°08'E.
430004. R202. Nactan, east of Barsheni. Elevation 2,300 m. Latitude 32°00'N; longitude 77°29'E.

430005 to 430129. TRITICUM AESTIVUM L. Poaceae.**Wheat.**

430005. W109. Chunagund. Elevation 2,260 m. Latitude 34°35'N; longitude 76°05'E.

429867 to 430132—Continued**430005 to 430129—Continued**

430006. W110. Trizpon. Elevation 2,670 m. Latitude 34°25'N; longitude 76°04'E.
430007. W111. Pharon. Elevation 2,710 m. Latitude 34°22'N; longitude 75°57'E.
430008. W112. Yagza (Uploa). Elevation 2,900 m. Latitude 34°19'N; longitude 75°52'E.
430009. W113. Sanko. Elevation 2,830 m. Latitude 34°16'N; longitude 75°57'E.
430010. W114. Partek. Elevation 2,830 m. Latitude 34°12'N; longitude 75°55'E.
430011. W115. Kargi. Elevation 2,860 m. Latitude 34°08'N; longitude 75°57'E.
430012. W116. Tangul. Elevation 2,960 m. Latitude 34°03'N; longitude 75°57'E.
430013. W118. Skianku. Elevation 3,020 m. Latitude 34°16'N; longitude 76°01'E.
430014. W119. Shispor. Elevation 3,320 m. Latitude 34°14'N; longitude 76°05'E.
430015. W120. Shargundik. Elevation 3,370 m. Latitude 34°13'N; longitude 76°09'E.
430016. W123. Phokar (Lastlong). Elevation 3,680 m. Latitude 34°22'N; longitude 76°13'E.
430017. W124A. Lotsun. Elevation 2,830 m. Latitude 34°28'N; longitude 76°15'E.
430018. W125. Shergol. Elevation 3,140 m. Latitude 34°23'N; longitude 76°19'E.
430019. W126. Mulbech. Elevation 3,360 m. Latitude 34°22'N; longitude 76°23'E.
430020. W128. Churtanchan. Elevation 3,580 m. Latitude 34°28'N; longitude 76°30'E.
430021. W129. Sambra. Elevation 3,340 m. Latitude 34°25'N; longitude 76°33'E.
430022. W130. Gomal. Elevation 3,700 m. Latitude 34°20'N; longitude 76°30'E.
430023. W131. Bod Kharbu. Elevation 3,350 m. Latitude 34°21'N; longitude 76°34'E.
430024. W134. Lamayuru. Elevation 3,410 m. Latitude 34°17'N; longitude 76°46'E.
430025. W135A. Hangru. Elevation 2,800 m. Latitude 34°18'N; longitude 76°51'E.
430026. W137A. Narula (Nurta). Elevation 2,830 m. Latitude 34°18'N; longitude 76°59'E.
430027. W138A. Saspul. Elevation 2,960 m. Latitude 34°15'N; longitude 77°10'E.

429867 to 430132—Continued

430005 to 430129—Continued

430028. W139A. Nimu. Elevation 3,050 m. Latitude 34°12'N; longitude 77°20'E.
430029. W141. Leh. Elevation 3,380 m. Latitude 34°10'N; longitude 77°35'E.
430030. W142. Stak. Elevation 3,320 m. Latitude 34°03'N; longitude 77°33'E.
430031. W143. She. Elevation 3,110 m. Latitude 34°05'N; longitude 77°37'E.
430032. W144. Shakti (Chimre). Elevation 3,780 m. Latitude 33°57'N; longitude 77°47'E.
430033. W145. Martselang. Elevation 3,510 m. Latitude 33°54'N; longitude 77°44'E.
430034. W146. Moin (Yarmukam). Elevation 1,710 m. Latitude 34°17'N; longitude 77°48'E.
430035. W147. Woyil. Elevation 1,650 m. Latitude 34°16'N; longitude 74°48'E.
430036. W148. Chatru. Elevation 1,490 m. Latitude 33°26'N; longitude 75°37'E.
430037. W149. Kanga (Ganga). Elevation 990 m. Latitude 33°15'N; longitude 75°10'E.
430038. W153. Gantwal, near Sarmoli. Elevation 1,100 m. Latitude 33°01'N; longitude 75°13'E.
430039. W154. Poonchhaus (Pachhat). Elevation 1,800 m. Latitude 33°05'N; longitude 75°20'E.
430040. W156. Doda. Elevation 1,160 m. Latitude 33°09'N; longitude 75°33'E.
430041. W157. Gat. Elevation 1,070 m. Latitude 33°09'N; longitude 75°35'E.
430042. W158. Puldoda, near Gangoth. Elevation 1,370 m. Latitude 33°08'N; longitude 75°32'E.
430043. W160. Nalthi. Elevation 1,890 m. Latitude 32°57'N; longitude 75°41'E.
430044. W162. Tibba. Elevation 2,680 m. Latitude 33°00'N; longitude 75°46'E.
430045. W163. Premnagar, near Sharmnot. Elevation 910 m. Latitude 33°09'N; longitude 75°42'E.
430046. W164. Kanini. Elevation 970 m. Latitude 33°12'N; longitude 75°48'E.
430047. W165. Sangrambata (Kishtwar). Elevation 1,100 m. Latitude 33°18'N; longitude 75°45'E.
430048. W166. Puchal. Elevation 1,340 m. Latitude 33°20'N; longitude 75°45'E.
430049. W167. Bandaikut. Elevation 1,160 m. Latitude 33°21'N; longitude 75°45'E.

429867 to 430132—Continued**430005 to 430129—Continued**

430050. W168. Dul. Elevation 1,520 m. Latitude 33°21'N; longitude 75°47'E.
430051. W170. Athole (Arthal). Elevation 1,930 m. Latitude 33°15'N; longitude 76°11'E.
430052. W171. Bistaun. Elevation 2,680 m. Latitude 33°09'N; longitude 76°16'E.
430053. W172. Gosti. Elevation 2,670 m. Latitude 33°05'N; longitude 76°22'E.
430054. W173. Hanswani, near Niwa. Elevation 1,580 m. Latitude 32°53'N; longitude 76°11'E.
430055. W174. Tibba (Sordona). Elevation 1,650 m. Latitude 32°49'N; longitude 76°09'E.
430056. W177. Bera, near Barotha. Elevation 920 m. Latitude 32°38'N; longitude 76°05'E.
430057. W179. Batheri. Elevation 1,150 m. Latitude 32°33'N; longitude 76°08'E.
430058. W180. Megzin, near Kunan. Elevation 1,260 m. Latitude 32°31'N; longitude 75°57'E.
430059. W183. Dharedi (Luhatka). Elevation 1,370 m. Latitude 32°29'N; longitude 76°16'E.
430060. W184. Loona, near Ghitiari. Elevation 1,400 m. Latitude 32°27'N; longitude 76°23'E.
430061. W185. Garola (Gharol). Elevation 1,590 m. Latitude 32°26'N; longitude 76°27'E.
430062. W186. Sathli, near Mahun. Elevation 1,970 m. Latitude 32°27'N; longitude 76°36'E.
430063. W188. Tindi, near Bhujund. Elevation 2,480 m. Latitude 32°46'N; longitude 76°25'E.
430064. W192. Kawaring (Saurang). Elevation 3,330 m. Latitude 32°38'N; longitude 77°08'E.
430065. W193. Palchan. Elevation 2,290 m. Latitude 32°19'N; longitude 77°09'E.
430066. W194. Rampur. Elevation 2,020 m. Latitude 32°13'N; longitude 77°12'E.
430067. W195. Katrain. Elevation 1,530 m. Latitude 32°05'N; longitude 77°08'E.
430068. W196. Garot. Elevation 1,820 m. Latitude 32°02'N; longitude 76°50'E.
430069. W197A. Gadhar (Gadiarah). Elevation 1,720 m. Latitude 32°00'N; longitude 76°48'E.
430070. W197B. Gadhar (Gadiarah). Elevation 1,720 m. Latitude 32°00'N; longitude 76°48'E.
430071. W200. Jari, north of Dharmaot. Elevation 1,550 m. Latitude 32°00'N; longitude 77°15'E.

429867 to 430132—Continued**430005 to 430129—Continued**

430072. W201. Manikaran. Elevation 1,670 m. Latitude 32°02'N; longitude 77°21'E.
430073. W202. Nactan, east of Barsheni. Elevation 2,300 m. Latitude 32°00'N; longitude 77°29'E.
430074. W203. Datmir. Elevation 2,070 m. Latitude 31°05'N; longitude 78°18'E.
430075. W204. Sangri. Elevation 1,800 m. Latitude 31°04'N; longitude 78°12'E.
430076. W205. Goichran. Elevation 1,310 m. Latitude 31°04'N; longitude 78°07'E.
430077. W206. Nawai. Elevation 1,830 m. Latitude 31°01'N; longitude 78°04'E.
430078. W207. Khansari, near Dumar. Elevation 1,370 m. Latitude 30°57'N; longitude 78°03'E.
430079. W208. Rama. Elevation 1,400 m. Latitude 30°56'N; longitude 78°06'E.
430080. W209. Parola. Elevation 1,280 m. Latitude 30°52'N; longitude 78°04'E.
430081. W210. Barkot. Elevation 1,280 m. Latitude 30°48'N; longitude 78°14'E.
430082. W211. Naugaon (Nawagaon). Elevation 1,100 m. Latitude 30°47'N; longitude 78°09'E.
430083. W212. Kaun (Khawalun). Elevation 910 m. Latitude 30°44'N; longitude 78°07'E.
430084. W213. Lakha Mandal. Elevation 1,040 m. Latitude 30°43'N; longitude 78°04'E.
430085. W214. Reekhaun, near Bidogi. Elevation 970 m. Latitude 30°38'N; longitude 78°03'E.
430086. W215. Bidogi. Elevation 970 m. Latitude 30°38'N; longitude 78°03'E.
430087. W216. Surnji, 5 km north of Mussoorie. Elevation 1,100 m. Latitude 30°27'N; longitude 78°03'E.
430088. W217. Buranskanda. Elevation 2,320 m. Latitude 30°22'N; longitude 78°19'E.
430089. W218. Jwarna, near Jaul. Elevation 2,290 m. Latitude 30°20'N; longitude 78°24'E.
430090. W220. Chaundhar, near Bharpur. Elevation 1,010 m. Latitude 30°30'N; longitude 78°29'E.
430091. W221. Dhaneti. Elevation 1,400 m. Latitude 30°32'N; longitude 78°29'E.
430092. W222. Ludhad, near Daunra. Elevation 1,680 m. Latitude 30°37'N; longitude 78°31'E.

429867 to 430132—Continued**430005 to 430129—Continued**

430093. W223A. Pholad Santarn (Santangaon). Elevation 1,680 m. Latitude 30°39'N; longitude 78°29'E.
430094. W223B. Pholad Santarn (Santangaon). Elevation 1,680 m. Latitude 30°39'N; longitude 78°29'E.
430095. W223C. Pholad Santarn (Santangaon). Elevation 1,680 m. Latitude 30°39'N; longitude 78°29'E.
430096. W225. Salu (Sialu). Elevation 1,710 m. Latitude 30°45'N; longitude 78°35'E.
430097. W226A. Riathal. Elevation 2,200 m. Latitude 30°49'N; longitude 78°36'E.
430098. W226B. Riathal. Elevation 2,200 m. Latitude 30°49'N; longitude 78°36'E.
430099. W227. Salung & Odhar (Salung). Elevation 1,980 m. Latitude 30°50'N; longitude 78°39'E.
430100. W228. Shakmar (Sunagar). Elevation 1,830 m. Latitude 30°53'N; longitude 78°40'E.
430101. W229. Jamu, near Tirsali. Elevation 1,310 m. Latitude 30°35'N; longitude 79°01'E.
430102. W230. Giwala. Elevation 880 m. Latitude 30°24'N; longitude 79°03'E.
430103. W231. Sari. Elevation 1,340 m. Latitude 30°31'N; longitude 79°07'E.
430104. W232. Mandal. Elevation 1,160 m. Latitude 30°27'N; longitude 79°15'E.
430105. W233. Chetarpal (Bhuthalia). Elevation 640 m. Latitude 30°24'N; longitude 79°21'E.
430106. W235. Pandukeshwar. Elevation 2,000 m. Latitude 30°38'N; longitude 79°32'E.
430107. W236. Hilang. Elevation 1,460 m. Latitude 30°31'N; longitude 79°30'E.
430108. W237. Tefna (Raibukti). Elevation 1,020 m. Latitude 30°18'N; longitude 79°20'E.
430109. W238. Lolti. Elevation 1,730 m. Latitude 30°03'N; longitude 79°30'E.
430110. W239. Meladongri (Pojena). Elevation 1,270 m. Latitude 29°56'N; longitude 79°36'E.
430111. W240. Bijora (Kausani). Elevation 1,610 m. Latitude 29°51'N; longitude 79°35'E.
430112. W241. Buhuli. Elevation 1,030 m. Latitude 29°51'N; longitude 79°45'E.
430113. W242. Nagarshaun, 3 km north of Masauli. Elevation 1,700 m. Latitude 29°51'N; longitude 79°51'E.
430114. W243. Jhaunpra. Elevation 1,980 m. Latitude 29°57'N; longitude 79°59'E.

429867 to 430132—Continued**430005 to 430129—Continued**

430115. W244. Ganai. Elevation 1,150 m. Latitude 29°43'N; longitude 79°58'E.
430116. W245. Kunjanpur (Gangalinat). Elevation 1,760 m. Latitude 29°39'N; longitude 80°04'E.
430117. W246. Bana. Elevation 1,640 m. Latitude 29°45'N; longitude 80°04'E.
430118. W247. Lidyari (Chaukori). Elevation 1,670 m. Latitude 29°50'N; longitude 80°01'E.
430119. W248. Timtiya. Elevation 1,060 m. Latitude 29°56'N; longitude 80°08'E.
430120. W249. Kaan. Elevation 1,760 m. Latitude 29°44'N; longitude 80°12'E.
430121. W250. Mansinghanda (Manatgaon). Elevation 1,610 m. Latitude 29°45'N; longitude 80°17'E.
430122. W251. Panthiali. Elevation 1,310 m. Latitude 29°51'N; longitude 80°16'E.
430123. W252. Dhun. Elevation 790 m. Latitude 29°47'N; longitude 80°24'E.
430124. W253. Gugna. Elevation 1,310 m. Latitude 29°29'N; longitude 80°08'E.
430125. W254. Gauriat. Elevation 1,640 m. Latitude 29°34'N; longitude 80°21'E.
430126. W255. Sangri, near Bhaura in Nepal. Elevation 920 m. Latitude 29°34'N; longitude 80°24'E.
430127. W256. Mehata. Elevation 1,240 m. Latitude 29°41'N; longitude 79°38'E.
430128. W257. Timladigi, near Naula. Elevation 1,700 m. Latitude 29°36'N; longitude 79°33'E.
430129. W258. Gangori (Manarsa). Elevation 1,090 m. Latitude 29°32'N; longitude 79°32'E.

430130 to 430132. TRITICUM COMPACTUM Host Club wheat.

430130. W137B. Narula (Nurta). Elevation 2,830 m. Latitude 34°18'N; longitude 76°59'E.
430131. W138B. Saspul. Elevation 2,960 m. Latitude 34°15'N; longitude 77°10'E.
430132. W139B. Nimu. Elevation 3,050 m. Latitude 34°12'N; longitude 72°20'E.

430133. VICIA FABA L. Fabaceae. Broadbean.

From Kuwait. Seed presented by Basima Abou-Dheir, Kuwait. Numbered October 10, 1978.

Purchased from a market. Originally from Egypt.

430134. ORYZA SATIVA L. Poaceae. Rice.

From Kenya. Seed presented by W. J. Kaiser, East African Agriculture and Forestry Research Organization, Division of Plant Quarantine Services, Nairobi. Numbered October 10, 1978.

EAI 6699. IRAT 10.

430135. BRASSICA NAPUS L. Brassicaceae. Rape.

From England. Seed presented by F. T. Tyler, Ministry of Agriculture, Fisheries and Food, Agricultural Development and Advisory Service, North Humberside. Numbered October 10, 1978.

Known as asparagus kale.

430136 to 430157.

From Iran. Seed collected by Brian Spooner and M. A. Martin, Department of Anthropology, University of Pennsylvania, Philadelphia, in cooperation with the Turan Program, Research Organization, Ministry of Agriculture, Tehran. Numbered October 3, 1978.

430136. GOSSYPIUM HIRSUTUM L. Malvaceae. Cotton.
Baghestan. Local name Amerikai.

430137. GOSSYPIUM sp.
Baghestan. Local name vilayati-dorosht. Growing with Amerikai type.

430138. GOSSYPIUM sp.
Baghestan. Local name vilayati-dorosht.

430139. GOSSYPIUM sp.
Baghestan. Local name vilayati-narm. Soft fiber for weaving; difficult to pick.

430140 to 430144. HORDEUM VULGARE L. Poaceae. Barley.

430140. Baghestan. Irrigated. Six-row, awned.

430141. Baghestan. Irrigated. Six-row, awned. Spring type.

430142. Baghestan. Irrigated. Six-row, awned. Winter type. Local name musta.

430143. Spring type.

430144. Winter type. Local name musta.

430145. HORDEUM sp. Poaceae.

Baghestan, Sahra Goujeu. Local name Bibdhal.

430146. SECALE CEREALE L. Poaceae. Rye.

Baghestan. Found in irrigated wheat and barley fields. Fed to animals. Local name dib dhal.

430147. SETARIA ITALICA (L.) Beauv. Poaceae. Foxtail millet.

Baghestan. Local name govarz.

430148 to 430156. TRITICUM AESTIVUM L. Poaceae. Wheat.

430148. Ahmadabad.

430149. Baghestan. Dryland. Long awns. Local name sorkhdas.

430150. Baghestan. Dryland. Short awns. Local name sorkhdas.

430151. Baghestan. Dryland. Local name guri.

430152. Baghestan. Dryland. Spring type.

430136 to 430157—Continued**430148 to 430156—Continued**

430153. Baghestan. Irrigated. Local name guri.

430154. Baghestan. Irrigated. Produces a white flour. Local name amid. Limited production.

430155. Baghestan. Irrigated. Old sabz type.

430156. Baghestan. Irrigated. Local name sorkhdas.

430157. TRITICUM sp.

Biarjomand. Kal or Biaryomandi type.

430158 to 430164.

From Israel. Seed presented by Agricultural Research Organization, The Volcani Center, Bet Dagan. Numbered October 10, 1978.

430158 to 430160. TRITICUM AESTIVUM L. Poaceae. Wheat.

430158. 'Barkae'. Semidwarf. Early maturity. High yield. Resistant to stem and leaf rust. Highly susceptible to *Septoria*.

430159. 'Lakhish 1568-2'. Selection from 'Lakhish'. Higher yield than Lakhish. Resistant to stripe, leaf, and stem rust. Moderate tolerance to *Septoria*.

430160. VC411. High yield. Resistant to rust.

430161 to 430164. TRITICUM (hybrid) ----

430161. G-4. *T. durum/T. dicoccoides* G-25/ *T. aestivum*. Protein 19.0%. Kernel weight 43g/1000. Resistant to many races of stripe rust.

430162. G-20. *T. durum/T. dicoccoides* G-25/ *T. aestivum*. Protein 19.0%. Kernel weight 44g/1000. Resistant to many races of stripe rust.

430163. G-40. *T. durum/T. dicoccoides* G-25/ *T. aestivum*. Protein 21.5%. Kernel weight 41g/1000. Resistant to many races of stripe rust.

430164. Line 78. *T. durum/T. dicoccoides* G-25. Protein 20.0% Kernel weight 38g/1000. Resistant to many races of stripe rust.

430165 and 430166. TRITICUM AESTIVUM L. Poaceae. Wheat.

From Japan. Seed presented by K. Fukunaga. Wheat and Barley Genetic Stocks Laboratory, Central Agricultural Experiment Station, Konosu, Saitama. Numbered October 10, 1978.

430165. Sakigakekomugi (Norin 112). Early maturity. Short culms.

430166. Shiroganekomugi (Norin 117). Early maturity. Short culms. White glumes.

430167 to 430171. PHASEOLUS VULGARIS L. Fabaceae.**Garden bean.**

From Colombia. Seed collected by O. W. Norvell. Stanford University, Palo Alto, California, and greenhouse increased by Regional Plant Introduction Station, Washington State University, Pullman, Washington. Numbered October 11, 1978.

430167. Co8430. Bogota. Seed red, some speckled. Local name Frijol rojo.

430168. Co8534. Pasto. Local name Frijol.

430169. Co8536. Medellin. Local name Frijol Cargamonto.

430167 to 430171—Continued

430170. Co8538. Medellin.

430171. Co8541. Medellin. Local name Frijol Caragamonto. Good eating bean.

430172. PHASEOLUS VULGARIS L. Fabaceae. Garden bean.

From Ecuador. Seed collected by O. W. Norvell, Stanford University, Palo Alto, California, and greenhouse increased by Regional Plant Introduction Station, Washington State University, Pullman, Washington. Numbered October 11, 1978.

E8521. Quito.

430173 to 430206.

From Mexico. Seed collected by O. W. Norvell, Stanford University, Palo Alto, California, and greenhouse increased by Regional Plant Introduction Station, Washington State University, Pullman, Washington, Numbered October 11, 1978.

430173. PHASEOLUS ADENANTHUS G. Meyer Fabaceae.

M64-1-13-B. Sonora.

430174. PHASEOLUS COCCINEUS L.

M8027. Azumbilla, Puebla. Large black.

430175 to 430195. PHASEOLUS LUNATUS L.

430175. M7271C. Rancho Caracol Jalisco. 'Frijolillo-1'.

430176. M7272M. Jalisco.

430177. M7399B. Cerro de Espinosa del Diablo (between San Miguel El Alto and San Julian. Red flowered.

430178. M7399K. Cerro de Espinosa del Diablo (between San Miguel El Alto and San Julian. Red flowered.

430179. M7399L. Cerro de Espinosa del Diablo (between San Miguel El Alto and San Julian. Red flowered.

430180. M7399X. Cerro de Espinosa del Diablo (between San Miguel El Alto and San Julian. Red flowered.

430181. M7402B. Below Rancho Caracol, Jalisco. Red flowered.

430182. M7402G. Below Rancho Caracol, Jalisco. Red flowered.

430183. M7402H. Below Rancho Caracol, Jalisco. Red flowered.

430184. M7402J. Below Rancho Caracol, Jalisco. Red flowered.

430185. M7402K. Below Rancho Caracol, Jalisco. Red flowered.

430186. M7402L. Below Rancho Caracol, Jalisco. Red flowered.

430187. M7402P. Below Rancho Caracol, Jalisco. Red flowered.

430188. M7402R. Below Rancho Caracol, Jalisco. Red flowered.

430189. M7402S. Below Rancho Caracol, Jalisco. Red flowered.

430190. M7402T. Below Rancho Caracol, Jalisco. Red flowered.

430191. M7402U. Below Rancho Caracol, Jalisco. Red flowered.

430192. M7402V. Below Rancho Caracol, Jalisco. Red flowered.

430193. M7402W. Below Rancho Caracol, Jalisco. Red flowered.

430194. M7402X. Below Rancho Caracol, Jalisco. Red flowered.

430195. M7402Y. Below Rancho Caracol, Jalisco. Red flowered.

430173 to 430206—Continued

430196 and 430197. PHASEOLUS MICROCARPUS Mart.

430196. M805-5-1. Winter flowers (Nov.).

430197. M801-8-4. Winter flowers (Nov.).

430198 to 430206. PHASEOLUS VULGARIS L.

Garden bean.

430198. M7238A. Jalisco.

430199. M7295E-5. Yzoterio, Vera Cruz. Local name Xaxana.

430200. M7402A. Below Rancho Caracol, Jalisco. Red flowered.

430201. M7408S. Jalisco. On Arandas side of Rio Sanchez at San Jose del Refugio (down river from Rancho Caracol, 9 km from Arandas). Indigenous.

430202. M8403. Tepatitlan, Jalisco. Frijol chicharro and cranberry.

430203. M8405. Tepatitlan, Jalisco. 'Frijol Chicharro'. Chicharro, cranberry and Vallo types.

430204. M8411. 'Negro'. Guadalajara, Jalisco.

430205. M8418. 'Chicharro'. Mexico, D.F.

430206. M8420. 'Rosita'. Mexico, D.F.

430207 to 430213. PHASEOLUS ACUTIFOLIUS A. Gray Fabaceae.

From Peru. Seed collected by O. W. Norvell, Stanford University, Palo Alto, California, and greenhouse increased by Regional Plant Introduction Station, Washington State University, Pullman Washington. Numbered October 11, 1978.

430207. P8555. Lima. Local name "poroto blanco chico."

430208. P8581. Cuzco. Local name "porto blanco chico."

430209. P8559. Lima. Local name "porto blanco mediano."

430210. P8562. Lima. Buff-brown, small white, purple.

430211. P8571. Lima. Local name "porto negro." Not black.

430212. P8572. Lima. Local name "porto blanco grande."

430213. P8595. Machu Picchu. Climbing, winter type.

430214 to 430219.

From United States. Seed collected by O. W. Norvell, Stanford University, Palo Alto, California, and greenhouse increased by Regional Plant Introduction Station, Washington State University, Pullman, Washington. Numbered October 11, 1978.

430214 to 430216. PHASEOLUS ADENANTHUS G. Meyer Fabaceae.

430214. X31-4-2. California. Ripe November. Difficult to detach from pod.

430215. X31-4-16. California. Ripe October.

430216. X31-4-27. California.

430217 and 430218. PHASEOLUS VULGARIS L.

Garden bean.

430217. X35-3-110-7-3-1. California. Selection from cross Princess × M570.

430214 to 430219—Continued**430217 and 430218—Continued**

430218. X35-3-110-7-3-2. California. Selection from cross Princess × M570.

430219. PHASEOLUS sp.

8-1-5-2. New Mexico, 15 km south of Animas Peak in New Mexico panhandle. Shade loving.

430220. ROBUS sp. Rosaceae.

From Ecuador. Seed collected by P. K. Soderholm, Subtropical Horticulture Research Station, 13601 Old Cutler Road, Miami, Florida. Numbered October 16, 1978.

S9-78. Roadside between Quevedo and Lotacurga. Bush to 2 m. Stems and underside midrib of leaf thorny. Flowers pink. Berry red, up to 28 by 31 mm, drupelets small. Sepals and fruit persistent on receptacle. Acid flavor. Elevation 2,913 m.

430221 to 430225.

From India. Seed presented by M. V. Reddi, Department of Plant Breeding, College of Agriculture, Rajendranagar, Hyderabad. Numbered October 23, 1978.

430221 to 430223. ARACHIS HYPOGAEA L. Fabaceae.

430221. Junagadh-11. Spanish type developed at Junagadh, Gujarat State. Progeny from Ah.4218 × Ah.4354. Wide adaptability. Maturity 115-120 days. Resistant to aflatoxin contamination.

430222. MK 374. Selection from an African introduction. Virginia bunch type. Wide adaptability. Maturity 135 days.

430223. Robout 33-1. Selection from an African introduction. Runner habit. High yield. Early maturity at 125 days.

430224 and 430225. ARACHIS (hybrid)

430224. X-1-16-1-1-B. Advanced generation of Spanish *A. hypogaea* × *monticola*. Top yielder in varietal tests in India.

430225. X-1-19-1-2-B. Advanced generation of Spanish *A. hypogaea* × *monticola*. Top yielder in varietal tests in India.

430226 to 430239. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From People's Republic of China. Seed presented by Kwangtung Agricultural Research Institute, Kwangtung Province, through D. C. H. Hsi, New Mexico State University, Plains Branch Station, Clovis. Numbered October 27, 1978.

430226. A21. Te Tow. Originated in Soong Hwa County. Erect type. Maturity 120 days.

430227. A122. Shih Tow Chi. Originated from Chen Hai County. Erect type. Wide adaptability. Moderate disease resistance. Maturity 120 days.

430228. A306. Chin Chi No. 10. Originated in En Ping County. Erect type. Stems slender. Maturity 120 days.

430229. A316. Ling Yu No. 1. Originated in Ling Shui County. Erect type. Selected from Shih Tow Chi. Fruits medium to large. Maturity 120 days.

430226 to 430239—Continued

430230. A319. Sai Yu No. 1. Originated from Sung Chiang City. Erect type. Large fruits. Maturity 120 days.
430231. A358. Sun Yu No. 505. Originated in Sung Hai County. Erect short type. Suitable for fertile sandy soils. Maturity 115–120 days.
430232. A359. Wei Che No. 24. Originated in Poh Lu County. Erect, short, compact plants. Leaves small. Adaptable to dense spacing. Lodging resistant. Fruits large. Maturity 115 days.
430233. A361. En Hwa No. 1. Originated in En Ping County. Erect, vigorous plants. Leaves and fruits large. Disease resistant. Maturity 120 days.
430234. A378. Yueh Yu No. 33. Selected from Yueh Yu No. 22. Erect, vigorous plants. Productive. Wide adaptability. Maturity 120 days.
430235. A390. Lang Chiang No. 3. Originated in Tien Pei County. Erect, compact plants. Rust susceptible. Maturity 120 days.
430236. A395. Tai Shan Jen Chu Tow. Originated in Tai Shan county. Erect, slender plants. Fruits small and thin shelled. Some resistance to green wilt. Adaptable to dry soils. Maturity 115–120 days.
430237. A1132. Liao Ning Shih Li Hung. Originated in Fu Shing City, Liao Ning Province. Erect type. Stems thick. Red seedcoat. Maturity 115–120 days.
430238. K32. Shui Nan Ta. Originated in Wei Yang District. Runner type. Some resistance to green wilt. Maturity 160 days.
430239. K153. Lu Ou Ta Hwa Sung. Originated in Shun Tow District. Runner type. Some resistance to green wilt. Maturity 160–170 days.

430240. PANICUM VIRGATUM L. Poaceae. Switchgrass.

From United States. Cultivar developed by the Soil Conservation Service, Plant Materials Center, U.S. Department of Agriculture, Big Flats, New York and the New York State College of Agriculture and Life Sciences, Cornell University. Numbered December 29, 1978.

NY-4006. Selection from NY-1388 for leafiness, early maturity, and coarse upright stems. Seedling emergence slow and vigor low. Plants resist lodging. NY-1388 collected by F. Glover, SCS, near St. Mary's, West Virginia in 1956.

430241 to 430256. ORYZA SATIVA L. Poaceae. Rice.

From Dominican Republic. Seed presented by R. A. Peterson, Project Manager, Pasture and Livestock Development, Food and Agriculture Organization of the United Nations, Santo Domingo. Numbered November 15, 1978.

430241. Buffalo. Moderately resistant to *Pyricularia oryzae*.
430242. Fidelia. Susceptible/moderately resistant to *Pyricularia oryzae*.
430243. Finlandes. Susceptible to *Pyricularia oryzae*.
430244. Gigante. Susceptible to *Pyricularia oryzae* and Hoja blanca. Salinity tolerant.
430245. Higeyano. Susceptible/moderately resistant to *Pyricularia oryzae*.
430246. Ingles Corto. Moderately resistant to *Pyricularia oryzae*.

430241 to 430256—Continued

430247. Juma 1. Moderately resistant to *Pyricularia oryzae*.
 430248. Juma 32 (9). Moderately resistant to *Pyricularia oryzae*.
 430249. Juma 57 (6). Moderately resistant to *Pyricularia oryzae*.
 430250. Juma 58. Moderately resistant to *Pyricularia oryzae*.
 430251. Mingolo. Susceptible to *Pyricularia oryzae*. Salinity tolerant.
 430252. Tono Brea 91. Moderately resistant to *Pyricularia oryzae*.
 430253. Tono Brea 408. Moderately resistant to *Pyricularia oryzae*.
 430254. Tono Brea 439. Susceptible to *Pyricularia oryzae*.
 430255. Tono Brea Comun. Susceptible to *Pyricularia oryzae*.
 430256. Yabacoa. Resistant to *Pyricularia oryzae*.

430257 to 430270. ORYZA SATIVA L. Poaceae. Rice.

From Philippines. Seed presented by The International Rice Research Institute, Manila. Numbered November 15, 1978.

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| 430257. 6357. BR 3. | 430264. 12892. Vijaya. |
| 430258. 6360. BR 4. | 430265. 17042. Jagannath (T 141 Mutant). |
| 430259. 9740. Yuhkara. | 430266. 24138. Palman 579. |
| 430260. 10394. RD 1. | 430267. 24173. YR 6 100 9. |
| 430261. 11099. Jaya. | 430268. 26971. Sona (IET 1991). |
| 430262. 11352. C4 63. | 430269. 28477. Hu hsuan 19. |
| 430263. 12886. Cauvery. | 430270. 36818. Toyonishiki. |

430271 to 430274. ZEA MAYS L. Poaceae. Corn.

From New Zealand. Seed presented by H. A. Eagles, Department of Scientific and Industrial Research, Plant Physiology Division, Palmerton North. Numbered November 27, 1978.

430271. 5-113. S₁ Selection. Emerges and grows at low temperatures.
 430272. 5-154. S₁ Selection. Emerges and grows at low temperatures.
 430273. 5-365. S₁ Selection. Emerges and grows at low temperatures.
 430274. 5-379. S₁ Selection. Emerges and grows at low temperatures.

430275. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Australia. Seed presented by I. D. Kaehne, Department of Agriculture and Fisheries, Northfield Research Laboratories and Research Centre, Adelaide. Received September 27, 1978.

SA/SWB. Tolerant to adult feeding by *Sitona humeralis*. Broad parentage.

430276 to 430290.

From Ireland. Seed donated by National Botanic Gardens, Glasnevin, Dublin 9. Index Seminum 1978. Numbered November 29, 1978.

430276. ATRIPLEX PATULA subsp. HASTATA (L.) Hall & Clem.
 Chenopodiaceae. Hulberdleaf orach.
 49. Donabata, Dublin. Wild.

430277. BRACHYPODIUM PINNATUM (L.) Beauv. Poaceae.
 Japanese falsebrome.

1286.

430276 to 430290—Continued

430278. *BRIZA MEDIA* L. Poaceae. Perennial quaking grass.
179. Lough Coura, Offaly. Wild.
430279. *BROMUS STERILIS* L. Poaceae. Poverty brome.
180. Shrewsbury, Shropshire, England. Wild.
430280. *CALAMAGROSTIS STRICTA* (Timm) Koeler Poaceae.
1287.
430281. *FESTUCA GIGANTEA* (L.) Vill. Poaceae.
1289.
430282. *FESTUCA OVINA* L. Sheep fescue.
1291.
430283. *FESTUCA OVINA* var. *GLAUCA* (Lam.) Koch
1290.
430284. *GAUDINIA FRAGILIS* (L.) Beauv. Poaceae.
1292. Wild.
430285. *HELICOTRICHON PUBESCENS* (Huds.) Pilger Poaceae.
1293.
430286. *HOLCUS LANATUS* L. Poaceae. Velvetgrass.
1294.
430287. *KOELERIA CRISTATA* (L.) Pers. Poaceae.
186. Donabate, Dublin. Wild.
430288. *TRIFOLIUM DUBIUM* Sibth. Fabaceae. Small hop clover.
95. Clogher Head, Louth. Wild.
430289. *TRIFOLIUM PRATENSE* L. Red clover.
98. Conabate, Dublin. Wild.
430290. *VICIA SEPIUM* L. Fabaceae.
104. Leighlinbridge, Carlow. Wild.

430291 to 430306.

From France. Seed presented by Jardin Botanique de la Ville et de l'Université, Besançon. Numbers refer to 1977 Index Seminum. Numbered November 29, 1978.

430291. *ANTHOXANTHUM ODORATUM* L. Poaceae. Sweet vernalgrass.
311.
430292. *CYNOSURUS CRISTATUS* L. Poaceae. Crested dogtail grass.
319.
430293. *DESCHAMPSIA CESPITOSA* (L.) Beauv. Poaceae. Tufted hairgrass.
321.
430294. *DORYCNIUM HIRSUTUM* (L.) Ser. Fabaceae.
601.
430295. *FESTUCA GIGANTEA* (L.) Vill. Poaceae.
325.
430296. *GALEGA OFFICINALIS* L. Fabaceae. Goat's-rue.
602.
430297. *GENISTA GERMANICA* L. Fabaceae.
168.
430298. *GENISTA SAGITTALIS* L.
165.

430291 to 430306—Continued

430299. GENISTA TINCTORIA L. Dyer's-greenweed.
169.
430300. LOLIUM PERENNE L. Poaceae. Perennial ryegrass.
332.
430301. LOTUS CORNICULATUS L. Fabaceae. Birdsfoot trefoil.
172.
430302. TETRAGONOLOBUS MARITIMUS (L.) Roth. Fabaceae.
179.
430303. TRIFOLIUM ARVENSE L. Fabaceae. Rabbitfoot clover.
180.
430304. TRIFOLIUM CAMPESTRE Schreb. Large hop clover.
181.
430305. TRIFOLIUM HYBRIDUM subsp. ELEGANS L. Alsike clover.
182.
430306. TRIFOLIUM RUBENS L.
185.

430307 to 430311. ARACHIS HYPOGAEA L. Fabaceae. Peanut.
From Israel. Seed presented by A. Ashri, Faculty of Agriculture, Rehovot.
Numbered November 29, 1978.

430307. 1021/1022. 430310. 1057/1058.
430308. 1023/1024. 430311. 1075/1076.
430309. 1025/1026.

430312 to 430330. ORYZA SATIVA L. Poaceae. Rice.

From Brazil. Seed presented by Empresa Brasileira de Pesquisa Agropecuaria,
CENTRO Nacional de Recursos Geneticos, Avenida W-5 Norte Parque
Rural, C. P. 10.2372, CEP 70.000, Brasilia, DF. Numbered November 30,
1978.

430312. 000035. Pratao Precoce.
430313. 000612. IAC 57.
430314. 006912. IAC 120.
430315. 011151. Precocinho.
430316. 011169. Agulhao Precoce.
430317. 011185. Bata.
430318. 011207. Nova China.
430319. 011215. IR 841 63 5L 9 33.
430320. 011223. EEPG 569.
430321. 011304. Praiano (Guaira).
430322. 011312. IPEACS (Registro). 1322.
430323. 013765. Cica 4.
430324. 016683. IAC 1246.
430325. 016829. P 69 205.
430326. 016977. Fortuna.

430312 to 430330—Continued

430327. 016985. IR 665 4 55.
 430328. 017965. P 738 137 4 1.
 430329. 022942. IAC 435.
 430330. 024643. Batatais.

430331 to 430340. ORYZA SATIVA L. Poaceae. Rice.
 From Fiji. Seed presented by Department of Agriculture, Suva. Numbered November 30, 1978.

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| 430331. 17465 4. | 430336. Bilo. |
| 430332. 17655. | 430337. Bold Grain. |
| 430333. 17752. | 430338. IR 24. |
| 430334. Ajral. | 430339. Saraya. |
| 430335. BG 75. | 430340. Sautu. |

430341 to 430366. ORYZA SATIVA L. Poaceae. Rice.
 From Philippines. Seed presented by the International Rice Research Institute, Manila. Numbered November 30, 1978.

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| 430341. 3711. BJ 1. | 430354. 21960. ARC 12172. |
| 430342. 8649. DD 100. | 430355. 24135. Kolongi Bao. |
| 430343. 8728. UCP 28. | 430356. 25860. Hanumanjata. |
| 430344. 11484. Chinsurah Boro II. | 430357. 26070. India Dular (Ord. 7). |
| 430345. 12580. ARC 10696. | 430358. 26360. Katikhandi. |
| 430346. 12686. ARC 10959. | 430359. 26361. Kaika. |
| 430347. 12690. ARC 10968. | 430360. 26364. Kokuya. |
| 430348. 16190. Matury. | 430361. 26390. Lakhsini Digha. |
| 430349. 17153. Andel. | 430362. 27537. Bowalia (2). |
| 430350. 17366. Camor. | 430363. 27539. Buri Katari. |
| 430351. 17975. Ketan Tolo. | 430364. 27558. Kasia Panja. |
| 430352. 20845. ARC 10313. | 430365. 29367. Kaliboro 600. |
| 430353. 20887. ARC 10376. | 430366. 32574. Khao Tab Haeng. |

430367. ORYZA SATIVA L. Poaceae. Rice.
 From Thailand. Seed presented by P. Khambanonda, Rice Division, Department of Agriculture, Bangkok. Numbered December 1, 1978.
 RD 6.

430368 to 430370. HEDYSARUM CORONARIUM L. Fabaceae.
 From New Zealand. See presented by N. C. Lambrecht, Aokautere Science Center, Water and Soil Organization, Ministry of Works and Development, Palmerston North. Numbered December 1, 1978.

430368. PMC 1015. Originally from Station Centrale de Genetique et de Botanique Agricoles, Rabat, Morocco. Index Seminum No. 135, 1970 and 1971. Erect to semi-erect. Some lodging. Cultivated.

430368 to 430370—Continued

430369. PMC 1036. Originally from Estacao Agronomica Nacional, Oeiras, Portugal. Index Seminum No. 198, 1970. Decumbent to semi-erect. Seed shatters with volunteer plants. Cultivated.

430370. PMC 1240. Originally presented by M. H. Craw, Linton from Caravelli and Figli, Vercelli, Italy. Habit variable. Cultivated.

430371 and 430372. ALLIUM CEPA L. Amaryllidaceae. Onion.

From Israel. Seed presented by Division of Plant Introduction, The Volcani Center, Agricultural Research Organization, Bet Dagan. Numbered December 1, 1978.

430371. 'Aviv'.

430372. 'Ori'.

430373 to 430375.

From Pakistan. Seed collected by D. R. Cornelius, Agricultural Research Officer, United States Department of Agriculture, American Embassy, Islamabad. Numbered December 4, 1978.

430373. PAPAVER SOMNIFERUM L. Papaveraceae. **Opium poppy.**
PK59. Gilgit.

430374 and 430375. TRIFOLIUM RESUPINATUM L. Fabaceae. **Persian clover.**

430374. PK61. Chitral. Received as Shaftal clover.

430375. PK62. Kethyari Village, Dir District.

430376 and 430377. CYAMOPSIS TETRAGONOLOBA (L.) Taub.

Fabaceae.

Guar.

From India. Seed presented by Division of Plant Studies, C.A.Z.R.I., Jodhpur, Rajasthan, through National Bureau of Plant Genetic Resources, New Delhi. Numbered December 4, 1978.

430376. HFG-75.

430377. Malosan.

430378 to 430447. ORYZA SATIVA L. Poaceae.

Rice.

From Zaire. Seed presented by Institut National Etude Et La Recherche Agronomiques, Yangambi, through J. D. Williams, Agricultural Attache, Foreign Agricultural Service, Kinshasa. Numbered December 4, 1978.

430378. Babangulu.

430387. Botika S/R.

430379. Bakili Kinda.

430388. Goli.

430380. Balingwengwe.

430389. Imbolo I.

430381. Baluola I.

430390. Imbolo II.

430382. Baluola II.

430391. Intenge Liolo.

430383. Bamangba I.

430392. Litwanga Tonino.

430384. Bamangba II.

430393. Loso.

430385. Basala Batika S/R.

430394. Manzano.

430386. Biolo.

430395. Mbiyo.

430378 to 430447—Continued

430396. Ngulube.	430422. R 91.
430397. Onu B.	430423. R 92.
430398. Onu I.	430424. R 92/1.
430399. OS 6.	430425. R 92/2.
430400. OS 6/M.	430426. R 93.
430401. OS 16.	430427. R 96/2.
430402. R 20.	430428. R 97/1.
430403. R 29.	430429. R 97/5.
430404. R 29/1.	430430. R 98.
430405. R 29/3.	430431. R 98/1.
430406. R 29/4.	430432. R 98/2.
430407. R 46.	430433. R 98/4/5.
430408. R 46/2.	430434. R 98/8.
430409. R 46/3.	430435. R 99/1.
430410. R 48.	430436. R 99/3.
430411. R 48/1.	430437. R 99/4.
430412. R 50.	430438. R 100/1.
430413. R 53.	430439. R 100/2.
430414. R 53/1.	430440. R 100/3.
430415. R 66.	430441. R 101.
430416. R 82.	430442. R 102.
430417. R 83.	430443. Sechele.
430418. R 87.	430444. Sokolo.
430419. R 87/1.	430445. Sokoni.
430420. R 89.	430446. Tiwawa.
430421. R 89/1.	430447. Zumbulu.

430448 and 430449. HIBUSCUS (hybrid) Malvaceae.

Rosemallow.

From United States. Plants selected from hybrids of *Hibiscus coccineus* (Medicus) Walter, *H. Militaris* Cav. and *H. moscheutos* L. by H. F. Winters, Germplasm Resources Laboratory, USDA, Beltsville, Maryland, at the U.S. Plant Introduction Station, Glenn Dale, Md. Numbered December 22, 1978.

430448. 'Pink Lady'. Selected from P.I. 316928, *Hibiscus* (hybrid) 'Mac'. Herbaceous perennial to 1.5 m tall. Leaves deeply 3 to 5 lobed. Flower bright pink with darker veins, well expanded, 14 to 18 cm diameter, partially sterile.

430449. 'Sleeping Beauty'. Sister seedling to P.I. 430448. Herbaceous perennial to 2 m tall. Leaves deeply 3 to 5 lobed. Flowers bright pink, slightly veined, partially cupped, 18 cm diameter, partially sterile.

430450 to 430454. ZEA MAYS L. Poaceae. Corn.

From People's Republic of China. Seeds collected near Ming Tombs, Hopei Province, by J. A. Duke, Plant Medicinal Resources Laboratory, U.S. Department of Agriculture, Beltsville, Maryland. Received November 29, 1978.

430450. Roadside field. Plants small, growing with *Phaseolus*. Kernels rounded.

430451. Plants small, growing with *Phaseolus*.

430452. Plants large, growing with *Vigna*.

430453. Below Great Wall. Intercropped with persimmons.

430454. Farmer's small field below Great Wall.

430455 and 430456. ZEA MAYS L. Poaceae. Corn.

From People's Republic of China. Seeds presented by Shao Chi-chuan, Institute of Genetics, Peking, to L. R. Kolmer, College of Agriculture, Iowa State University, United States delegation of Midwestern International Agricultural Trade Council. Received November 21, 1978.

430455. Feng Pa 29B. Selected from Tai ping kan shan (C103) and Weng hong 211. Female inbred parent of multi-eared hybrid. Male parent is P.I. 430456.

430456. TG. Male inbred parent of multi-eared hybrid. Female parent is P.I. 430455. Seed small, purple.

430457. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From People's Republic of China. Seed presented by L. R. Kolmer, College of Agriculture, Iowa State University, United States delegation of Midwestern International Agricultural Trade Council. Received November 21, 1978.

Field near Harbin, Heilungkiang Province. Seedcoat deep yellow.

430458 to 430466.

From People's Republic of China. Seeds presented by the Academy of Agriculture and Forestry, Heh Lung Chiang Province, to B. D. Ball, Michigan Department of Agriculture, Lansing, United States delegation of Midwestern International Agricultural Trade Council. Received November 21, 1978.

430458 to 430460. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

430458. Heh Lung No. 11. Soybean Research Station. Maturity about 17 days.

430459. Heh Lung No. 16. Soybean Research Station. Maturity about 123 days.

430460. Heh Lung No. 26. Soybean Research Station. Maturity about 125 days.

430461 to 430463. SORGHUM BICOLOR (L.) Moench Poaceae. Sorghum.

430461. Heh za 47. Sui Hua Agriculture Station. Heh Lung sterile line 11A × Ho Hua 20. Maturity about 106 days.

430462. Lung Fu 77-1. Sui Hua Agriculture Station. Adapted to dense populations. Maturity about 110 days.

430458 to 430466—Continued**430461 to 430463—Continued**

430463. Sui za No. 1. Sui Hua Agriculture Station. Heh Lung 30A × Sui Hui No. 1. Seed red. Some disease tolerance. Maturity 110–115 days.

430464 to 430466. ZEA MAYS L. Poaceae. **Corn.**

430464. Heh Yu 46. Double cross (Ta Hwang 46 x Ta33B) x (N14 x Wei Er 64).

430465. Lung Tan No. 1. Seed Research Station. Maturity about 107 days.

430466. Nun Tan No. 3. Maturity about 110 days.

430467 to 430482.

From People's Republic of China. Seeds presented by Hao Chung-shih, Vice Minister of Agriculture, Peking, through M. R. Cutler, Assistant Secretary of Agriculture for Conservation, Research, and Education, Washington, D.C. Numbered December 8, 1978.

430467 to 430471. SORGHUM BICOLOR (L.) Moench Poaceae. **Sorghum.**

430467. Chieh yeh No. 11.

430468. Heh lung No. 30A. Male sterile.

430469. Heh lung No. 30A. Fertility restorer for P.I. 430468.

430470. Hu No. 2. Male sterile.

430471. Hu No. 2. Fertility restorer for P.I. 430470.

430472 to 430482. ZEA MAYS L. Poaceae. **Corn.**

430472. Cheng tan No. 1.

430478. Lu tan No. 34.

430473. Chieh shuang 83.

430479. Shan tan No. 1.

430474. Chieh shuang 107.

430480. Wu 102.

430475. Chieh tan 101.

430481. Yen san No. 6.

430476. Chin ting tzu.

430482. Yen san No. 10.

430477. Huang ma ya.

430483 to 430511.

From People's Republic of China. Seeds presented by the Shanghai Academy of Agriculture to B. Dale Ball, Michigan Department of Agriculture, United States delegation of Midwestern International Agricultural Trade Council. Received November 21, 1978.

430483. BENINCASA HISPIDA (Thunb.) Cogn. Cucurbitaceae. **Waxgourd.**
Hong nan.

430484 to 430486. BRASSICA CHINENSIS L. Brassicaceae. **Pak-choi.**

430484. Peng pu chang chsai.

430485. Pe yeh son yeuh man.

430486. Shih yeuh man.

430487. BRASSICA OLERACEA var. BOTRYTIS L. **Cauliflower.**
Pa shih tien.

430488. BRASSICA sp.
Chu yu No. 7.

430483 to 430511—Continued

430489. *CAPSICUM* sp. Solanaceae.
Su chang tsao.
430490. *CAPSICUM* sp.
Asao fang tsiao.
430491. *GLYCINE MAX* (L.) Merr. Fabaceae. Soybean.
Chi sha.
430492. *GOSSYPIUM HIRSUTUM* L. Malvaceae. Cotton.
Chiangsu min No. 1.
430493. *IPOMOEA AQUATICA* Forsk. Convolvulaceae. Swamp morning glory.
Pe kan.
- 430494 and 430495. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
430494. Pu chiang No. 2.
430495. Pu chiang No. 3.
- 430496 to 430498. *ORYZA SATIVA* L. Poaceae. Rice.
430496. Hsin huai No. 1. Late maturity, about 150 days.
430497. Nan-keng No. 34.
430498. Nanking No. 11.
- 430499 and 430500. *PHASEOLUS VULGARIS* L. Fabaceae. Garden bean.
430499. Ai chi ho tzu.
430500. Tsingtao chia tou.
430501. *RAPANUS SATIVUS* L. Brassicaceae. Radish.
Chien chiao hong.
430502. *SESBANIA* sp. Fabaceae.
Tien ching.
- 430503 to 430506. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
430503. Che chien tzu. Winter type.
430504. Chu mai No. 4.
430505. Chu mai No. 5.
430506. Pa huai mai. Winter type.
430507. *VIGNA UNGUICULATA* subsp. *SESQUIPEDALIS* (L.) Verdc. Fabaceae. Yard-long-bean.
Mang li chiang.
- 430508 to 430511. *ZEA MAYS* L. Poaceae. Corn.
430508. Fu tan No. 1. Early maturity.
430509. Fu tan No. 3. Medium maturity.
430510. Huang pa yeh (Chu).
430511. Pai pa yeh er (Chou).

430512 to 430515.

From Pakistan. Seed presented by S. Hamid, Pakistan Station, Commonwealth Institute of Biological Control, Rawalpindi. Received November 17, 1978.

430512. *SORGHUM BICOLOR* (L.) Moench Poaceae. Sorghum.
D. G. Pearl. Some tolerance to greenbug.

430512 to 430515—Continued

- 430513 to 430515.** TRITICUM AESTIVUM L. Poaceae. Common wheat.
430513. C-271. Greenbug resistant.
430514. C-518. Greenbug resistant.
430515. C-591. Greenbug resistant.

430516. NICOTIANA TABACUM L. Solanaceae. Tobacco.
 From Canada. Seeds presented by I. S. Oglivie, Agriculture Canada, Ferme Experimentale, L'Assomption, Quebec. Numbered December 11, 1978.
 T.I. 1624. L'Assomption 201. Aromatic cigar filler.

430517. NICOTIANA TABACUM L. Solanaceae. Tobacco.
 From Rhodesia. Seeds presented by B. W. Smeeton, Tobacco Research Board of Rhodesia, Salisbury. Numbered December 11, 1978.
 T.I. 1625. Kutsaga 110 flue cured. Double haploid. Resistant to powdery mildew, wildfire, and tobacco mosaic virus.

430518 to 430521. CAMELLIA (hybrid) Theaceae. Camellia.
 From United States. Plants selected by W. L. Ackerman, U.S. National Arboretum, U.S. Department of Agriculture, Washington, D.C. Numbered December 11, 1978.

430518. 'Fragrant Pink Improved'. Fertile cytochimera of 2-4-4 composition from colchicine treatment of 'Fragrant Pink' (P.I. 315906) and *C. rusticana* (P.I. 228187) × *C. lutchuensis* (P.I. 226756). Flowers larger with darker pink petals and longer, stouter filaments and styles than 'Fragrant Pink'. Performs as tetraploid in crosses. Pollen 77 percent normal compared to 5 percent for 'Fragrant Pink'.

430519. 'Ack-Scent'. B61540. *C. japonica* ('Kramer's Supreme') × (*C. rusticana* (P.I. 228188) × *C. lutchuensis* (P.I. 226756)). Flowers peony form, 10.8 cm across and 5.1 cm deep, 18 petals, 16 petaloids, shell pink, deep spicy fragrance, floriferous. Blooms hold well, shed at senescence.

430520. 9-106. *C. hiemalis* 'Shishi-gashira' × *C. oleifera* (P.I. 162561). Flowers single, 10.2 cm across and 3.2 cm deep, 6 to 8 petals, deep pink, pleasant fragrance. Plants cold hardy, fall blooming.

430521. 9-260. *C. sasanqua* 'Onishiki' × *C. oleifera* (P.I. 162561). Flowers single to semidouble, 9.5 cm across and 2.5 cm deep (ungibbed), 8 to 10 petals, rose pink with scattered white blotches and stripes. Plants cold hardy, fall blooming.

430522. SESBANIA BISPINOSA (Jaca.) W. F. Wight Fabaceae.
 From India. Seed presented by K. K. Nirula, ICRISAT, Hyderabad through National Bureau of Plant Genetic Resources, New Delhi. Received November 13, 1978.

430523 to 430566.

From Union of Soviet Socialist Republics. Seeds presented by the N. I. Vavilov Institute of Plant Industry, Leningrad. Numbered December 12, 1978.

430523. ALLIUM VICTORIALIS L. Amaryllidaceae.
 Pobednyj. Siberian, Soviet Socialist Republic.

430523 to 430566—Continued

- 430524 to 430534. DAUCUS CAROTA L. Apiaceae. Carrot.**
430524. VIR 205. Received as var. *schavrovii*. Azerbaijan Soviet Socialist Republics.
430525. VIR 233. Received as var. *rosseus*. Zardek. Afghanistan.
430526. VIR 1607. Received as var. *schavrovii*. Derbentskaja. Daghestan ASSR.
430527. VIR 1613. Received as var. *zhukovskii*. Murzon. Uzbek, Soviet Socialist Republic.
430528. VIR 1614. Received as var. *schavrovii*. Msaki-195. Uzbek Soviet Socialist Republics.
430529. VIR 1616. Received as var. *schavrovii*. Mirzon Zeltaja. Uzbek Soviet Socialist Republics.
430530. VIR 1623. Received as var. *zhukovskii*. Msaksupx Tadchik Soviet Socialist Republics.
430531. VIR 2075. Received as var. *boissieri*. Azerbaijan Soviet Socialist Republics.
430532. VIR 2207. Received as var. *schavrovii*. Daghestan Azerbaijan Soviet Socialist Republics.
430533. VIR 2263. Received as var. *zhukovskii*. Iraq.
430534. VIR 2278. Received as var. *schavrovii*. Afghanistan.
- 430535. GLADIOLUS IMBRICATUS L. Iridaceae. Leningrad Region.**
- 430536. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.**
VIR 6269. Hersonskajal. Ukrainian Soviet Socialist Republics.
- 430537 to 430541. HELIANTHUS ANNUUS L. Asteraceae. Sunflower.**
430537. VIR 2410. 'Kharkovskij'. Ukrainian Soviet Socialist Republics.
430538. VIR 2498. 'Novinka'. Krasnodar Territory, Uzbek Soviet Socialist Republics.
430539. VIR 2669. 'Cakinskij 321'. Tambov Region, Union of Soviet Socialist Republics.
430540. VIR 2670. 'Tambovskij Skorospelyj'. Tambov Region, Union of Soviet Socialist Republics.
430541. VIR 2699. 'Progress'. Krasnodar Territory, Uzbek Soviet Socialist Republics.
- 430542 to 430548. LOTUS CORNICULATUS L. Fabaceae. Birdsfoot trefoil.**
430542. VIR 27113. Moskovskij 287. Moscow Region, Union of Soviet Socialist Republics.
430543. VIR 27276. Morsanskij 528. Tambov Region, Union of Soviet Socialist Republics.
430544. VIR 31562. Gelsvis. Lithuanian Soviet Socialist Republics.
430545. VIR 33217. Mos-25. Moscow Region, Union of Soviet Socialist Republics.
430546. VIR 32722. Dedinovskij. Moscow Region, Union of Soviet Socialist Republics.

430523 to 430566—Continued**430542 to 430548—Continued**

430547. VIR 36667. Smolenskij 1. Smolensk Region, Union of Soviet Socialist Republics.

430548. VIR 37177. Predkarpatskij 33. Ukrainian Soviet Socialist Republics.

430549. LUPINUS LUTEUS L. Fabaceae. European yellow lupine.
VIR 2149. Citomirskij Jubilejnyj. Union of Soviet Socialist Republics.

430550 and 430551. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

430550. VIR 32860. Mestnaja. China.

430551. VIR 32863. Mestnaja. China.

430552. MEDICAGO SATIVA subsp. AMBAGUA (Trautvetter) Tutin.

VIR 36761. Dikorastuscaja. Aktiubinsk Region, Union of Soviet Socialist Republics.

430553 and 430554. MEDICAGO SATIVA subsp. FALCATA (L.) Arc.

430553. VIR 21999. Dikorastuscaja. Estonian Soviet Socialist Republics.

430554. VIR 38550. Dikorastuscaja. Kazakh Soviet Socialist Republics.

430555 to 430565. MEDICAGO SATIVA subsp. VARIA (Martyn) Arc.

430555. VIR 25487. Jygeva 118. Estonian Union of Soviet Socialist Republics.

430556. VIR 26830. Onohojskaja 6. Buryat Azerbaijan Soviet Socialist Republics.

430557. VIR 29566. Kazanskaja 64/95. Tatarian Azerbaijan Soviet Socialist Republics.

430558. VIR 37611. Kokse. Kazakh Soviet Socialist Republics.

430559. VIR 38260. Kievskaja krasnogibridnaja. Ukrainian Soviet Socialist Republics.

430560. VIR 38268. Belorusskaja. Byelorussian Soviet Socialist Republics.

430561. VIR 38269. Krasnokutskaja pestrogibridnaja. Saratov Region, Union of Soviet Socialist Republics.

430562. VIR 38276. Sibirjacka. Omsk Territory, Siberian Soviet Socialist Republics.

430563. VIR 38383. Krasnoufmskaja 6. Sverdlovsk Territory, Siberian Socialist Republics.

430564. VIR 38915. Braslavskaja 73. Byelorussian Soviet Socialist Republics.

430565. VIR 39235. Pavlovskaja pestraja. Voronezh Region, Union of Soviet Socialist Republics.

430566. SECALE CEREALE L. Poaceae. Rye.
VIR 10390. Em-1. Leningrad Region, Union of Soviet Socialist Republics.

430567. ASPARAGUS SCHOBBERIOIDES Kunth Liliaceae.

From Japan. Seed presented by Botanic Garden, Faculty of Agriculture, Hokkaido University, Sapporo. Received December 4, 1978.

430568. LEPTOCHLOA FUSCA (L.) Kunth Poaceae.

From Pakistan. Seed presented by G. R. Sandhu, Nuclear Institute for Agriculture and Biology, Faisalabad through D. R. Cornelius, International Programs Staff, U.S. Department of Agriculture, Beltsville, Maryland. Numbered December 18, 1978.

Received as *Diplachne fusca*. Tolerant to alkali soil. Palatable as livestock feed. Poor seed production with indeterminate maturity and shattering.

430569. TRIFOLIUM REPENS L. Fabaceae. White clover.

From New Zealand. Seeds presented by the Department of Scientific and Industrial Research, Grasslands Division, Palmerston North. Received November 21, 1978.

'Grasslands Pitau'. Breeders seed.

430570 to 430573.

From Madagascar. Seed collected by David Lorence, Missouri Botanical Garden, St. Louis, Missouri. Received December 15, 1978.

430570. CATHARANTHUS OVALIS Markgraf. Apocynaceae.

2071. Eleven km southwest of Ranohira, Fianarantsoa Province. Herb to 0.5 m. Flowers bright pink.

430571 and 430572. CATHARANTHUS ROSEUS (L.) G. Don

Madagascar periwinkle.

430571. 1950. Herb, 1 m. Corolla pink, center magenta. Cultivated.

430572. 1952. Parc Botanique de Tsimbazaza (Tananarive), Antananariva Province. Herb, 1 m. Pink corolla with magenta center. Cultivated and spontaneous.

430573. CATHARANTHUS sp.

1951. Parc Botanique de Tsimbazaza (Tananarive), Antananariva Province. Prostrate herb to 20 cm. Flowers pale pink.

430574. CATHARANTHUS ROSEUS (L.) G. Don Apocynaceae.

Madagascar periwinkle.

From Mauritius. Seed collected by David Lorence, Missouri Botanical Garden, St. Louis, Missouri. Received December 15, 1978.

1819. Yemen Valley. Herb, 0.25 m tall. Flower white and pink. Naturalized.

430575 to 430579.

From Argentina. Seeds presented by Aurelio Schinini, Departamento de Botanica y Ecologia, Universidad Nacional del Nordeste, Corrientes. Received December 21, 1978.

430575. ACROCOMIA TOTAL Mart. Arecaceae. Gru-gru palm.**430576. BUTIA PAGAGUAYENSIS (Barb.-Rodr.) L. H. Bailey. Arecaceae.****430577. CHRYSOPHYLLUM GONOCARPUM (Mart. & Eichl.) Engl. Sapotaceae.****430578. EUGENIA PITANGA (Berg.) Kiaersk. Myrtaceae.****430579. HIPPEASTRUM sp. Amaryllidaceae.**

430580 to 430593.

From People's Republic of China. Seeds presented by Ho Kang, Ministry of Forestry and Agriculture, Peking, through O. L. Freeman, Business International Corporation, New York, New York. Numbered December 26, 1978.

430580. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. Broccoli.
Yeh erh fu.
- 430581 and 430582. *BRASSICA OLERACEA* var. *CAPITATA* L. Cabbage.
430581. Ching Feng 1.
430582. Snowball.
- 430583 and 430584. *BRASSICA PEKINENSIS* (Lour.) Rupr. Chinese cabbage.
430583. F₁8.
430584. F₁77-106.
430585. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.
Chang tsing.
- 430586 and 430587. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
430586. Early pink 2.
430587. Man si.
- 430588 to 430590. *PHASEOLUS VULGARIS* L. Fabaceae. Garden bean.
430588. Feng shou 1.
430589. Nen chieh.
430590. Tsing tao chia tou.
- 430591 and 430592. *RAPHANUS SATIVUS* L. Brassicaceae. Radish.
430591. Hsin li mei.
430592. Lu pa fen.
430593. *VIGNA UNGUICULATA* subsp. *SESQUIPEDALIS* (L.) Verdc. Fabaceae.
Yard-long-bean.

Hung tsui yen.

430594 and 430595. *GLYCINE MAX* (L.) Merr. Fabaceae.
Soybean.

From People's Republic of China. Seeds presented by Chinese Academy of Agricultural Science, Soybean Section, Peking, through J. Lu, Botany Department, University of Northern Iowa, Cedar Falls, Iowa. Numbered December 27, 1978.

430594. Chin lung No. 5. Semideterminate. Good yield. Maturity 130 to 135 days. Latitude about 40-41°N.
430595. 58-161. Plants erect, dense, determinate. Flowers white. Pubescence gray. Maturity 110 days. Latitude about 40-41°N.
- 430596 to 430600. *GLYCINE MAX* (L.) Merr. Fabaceae.
Soybean.

From People's Republic of China. Seeds presented by the Bureau of Agricultural Sciences, Chin-Chiang District, Fukien Province, through J. Lu, Botany Department, University of Northern Iowa, Cedar Falls, Iowa. Numbered December 27, 1978.

430596. Fu pe tou. White seed. Maturity 100 days. Latitude 24.8°N.

430596 to 430600—Continued

430597. Lo chi hong tou tzu. Lochi red seed. Maturity 110 days. Latitude about 24.8°N.
 430598. Shuang ching tou. Large, green seed. Maturity 100 days. Latitude about 24.8°N.
 430599. Ta ching jen. Large, black seed. Maturity 110 days. Latitude about 24.8°N.
 430600. Ta li chiang. Large, yellow seed. Maturity 110 days. Latitude about 24.8°N.

430601 to 430687.

From People's Republic of China. Seeds presented by Hao Chung-shih, Vice Minister of Agriculture, Peking, through M. R. Cutler, Assistant Secretary for Conservation, Research, and Education, Washington, D.C. Numbered December 28, 1978.

430601. *BRASSICA NAPUS* L. Brassicaceae. Rape.
 Shuang pai keng.
430602. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Cauliflower.
 Ye er fu.
- 430603 and 430604. *BRASSICA OLERACEA* var. *CAPITATA* L. Cabbage.
 430603. Heh yeh hsiao ping tou.
 430604. Peking tso shu.
- 430605 to 430613. *BRASSICA PEKINENSIS* (Lour.) Rupr. Chinese cabbage.
 430605. Chung kuei 36-15. 430610. Kuei tsai chung feng.
 430606. Fu shan pao tou. 430611. Kuei tsai tsao feng.
 430607. Hsiao pai kou. 430612. Kuei yu.
 430608. Kuei bang pao tou. 430613. Pao tou kuei.
 430609. Kuei huai.
430614. *CAPSICUM ANNUUM* L. Solanaceae. Pepper.
 Shanghai tian tsiao.
430615. *CITRULLUS LANATUS* (Thunb.) Matsum. & Nakai Cucurbitaceae.
 Tsao hua.
430616. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.
 Shih ling huang chin kua.
- 430617 to 430626. *GLYCINE MAX* (L.) Merr. Fabaceae. Soybean.
 430617. Chieh lin No. 3. 430622. Wen feng No. 5.
 430618. Chieh lin No. 8. 430623. Wen feng No. 6.
 430619. Feng shou huang tou. 430624. Wen feng No. 7.
 430620. Hou tzu mao. 430625. Yeu chin No. 4.
 430621. Ngo tou No. 2. 430626. 1138-2.
- 430627 to 430629. *HORDEUM VULGARE* L. Poaceae. Barley.
 430627. Che nung No. 12.
 430628. 77-157.
 430629. 114.

430601 to 430687—Continued

- 430630 and 430631. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
 430630. Ai hung tsao shu.
 430631. Che hung No. 1.
- 430632 to 430638. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
 430632. Cha peh tzu hua mu su. 430636. Ting si mu su.
 430633. Kuei yang mu su. 430637. Wei nan mu su.
 430634. Lung mu No. 1. 430638. Yu hsian mu su.
 430635. Sha wan mu su.
- 430639 to 430663. *ORYZA SATIVA* L. Poaceae. Rice.
 430639. Ai Chiang nuo. 430652. Kuang lu ai No. 4.
 430640. Chia nung. 430653. Kuei hua nuo.
 430641. Chieh keng No. 51. 430654. Liao feng No. 3.
 430642. Chieh keng No. 56. 430655. Lu ko No. 3.
 430643. Chi ih tsao. 430656. Lu nan tsao No. 2.
 430644. Ching yu No. 1. 430657. Lu shuang No. 1011.
 430645. Chuang weh pai. 430658. Nan ching No. 11.
 430646. Chu chin tsao. 430659. Nan keng No. 33.
 430647. Er chiu kuei. 430660. Nung fu No. 6.
 430648. Heh hsi No. 30. 430661. Tung fang hung No. 1.
 430649. Hung chi 8. 430662. Tung fang hung No. 2.
 430650. Hung chi 16. 430663. Wu nung tsao.
 430651. Hung chi 19.
430664. *SOLANUM MELONGENA* L. Solanaceae. Eggplant.
 Chi yeh chieh.
- 430665 to 430686. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
 430665. Chiang tung men. Winter type.
 430666. Ching chung No. 26. Winter type.
 430667. Ching husan No. 4. Winter type.
 430668. Ching hsuan No. 8. Winter type.
 430669. Ching hsuan No. 19. Winter type.
 430670. Ching hung No. 7. Spring type.
 430671. Ching hung No. 8. Spring type.
 430672. Feng chang No. 3. Winter type.
 430673. Hsuchou No. 14. Winter type.
 430674. Hua tung No. 6. Winter type.
 430675. Ning mai No. 3. Winter type.
 430676. Nung ko No. 1. Winter type.
 430677. Ou tsao pai. Winter type.
 430678. Shih 4414. Winter type.
 430679. Shih 5104. Winter type.
 430680. Shih chung 20. Winter type.
 430681. Tai sun No. 1. Winter type.

430601 to 430687—Continued**430665 to 430686—Continued**

430682. Tung fang hung No. 3. Winter type.
 430683. Yan nung wu mang 685. Winter type.
 430684. Yan nung yu mang 685. Winter type.
 430685. Yuan chun 7112. Spring type.
 430686. 6802. Spring type.
 430687. *VIGNA UNGUICULATA* (L.) Walp. subsp. *UNGUICULATA* Fabaceae.
 Southern pea.

Hua pi chia Chiang tou.

430688 to 430700. ORYZA SATIVA L. Poaceae. Rice.

From Korea. Seed of mutant lines presented by S. H. Kwon, Korea Atomic Energy Research Institute, Seoul. Numbered December 28, 1978.

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| 430688. KAR 1-35. | 430695. KAR 34-333. |
| 430689. KAR 2. | 430696. KAR 50. |
| 430690. KAR 9-151. | 430697. KAR 151. |
| 430691. KAR 10-156. | 430698. KAR 197. |
| 430692. KAR 21-201. | 430699. KAR 281. |
| 430693. KAR 27-270. | 430700. KAR 398. |
| 430694. KAR 30-326. | |

430701 to 430730.

From Hungary. Seeds presented by J. Unk, Research Center for Argobotany, National Institute for Agricultural Variety Testing, Tapioszele. Numbered December 28, 1978.

430701. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae. Cabbage.
 VII-21-8. Nagykallo.

430702 to 430706. *PISUM SATIVUM* L. Fabaceae. Garden pea.

430702. II-9-641. Bardi.
 430703. II-9-749. Emir Tezier.
 430704. II-9-918. Pisello dolce di Provenza.
 430705. II-9-1007. BR 52.
 430706. II-9-1069. Prinsa NZ2506.

430707 to 430730. *VICIA FABA* L. Fabaceae. Broadbean.

430707. II-11-28. Pirkbohne.
 430708. II-11-36. Rebaya 34.
 430709. II-11-38. Pruruowsky Rekord.
 430710. II-11-45. Algerie.
 430711. II-11-46. Feverde Selection CRA.
 430712. II-11-47. Safi.
 430713. II-11-59. Sborowitzter.
 430714. II-11-60. Kornachers.
 430715. II-11-61. Herz Freya.
 430716. II-11-63. Hangdowne Langhulsige, Hangende Grune Riesen.

430701 to 430730—Continued**430707 to 430730—Continued**

430717. II-11-64. Windsor Grosse Grune.
 430718. II-11-69. Pobst's Ertragreiche.
 430719. II-11-79. Mansholt's Wierboon.
 430720. II-11-133. Konsky Zborozsky.
 430721. II-11-136. Harlington white.
 430722. II-11-137. Early longpod.
 430723. II-11-138 Canqueror.
 430724. II-11-141. Harlington Green.
 430725. II-11-142. Fillbasket.
 430726. II-11-143. Bunyards Exhibition.
 430727. II-11-155. Latvijskije.
 430728. II-11-160. Winter Bean.
 430729. II-11-162. Feveroles Herminot.
 430730. II-11-484. Lippi.

430731. BAUHINIA ESCULENTA Burch. Fabaceae.**Gembok bean.**

From South Africa. Seed presented by T. C. Nel, Plant Introduction Officer, Division of Plant and Seed Control, Pretoria. Numbered December 28, 1978.

Received as *Tylosema esculenta* (Burch.) Schrei. Collected April, 1973, in open grassland on dolomitic soil southwest of Pretoria. Runners long and prostrate. Leaves about 5 cm wide, bilobed on short petioles. Pods about 5 cm wide, 7.5 long with one or two large seeds. Wild.

430732. ASPARAGUS ASIATICUS L. Liliaceae.

From Belgium. Seed presented by P. Van Der Veken, Plantentuin der Rijksuniversiteit, Gent. Received December 5, 1978.

430733. TRIFOLIUM REPENS L. Fabaceae.**White clover.**

From United States. Seed produced by Josephine Seed Grower's Association, Grant's Pass, Oregon, and presented by P. B. Gibson, Science and Education Administration, AR, USDA, Clemson University, Clemson, South Carolina. Received November 21, 1978.

Bohnert strain. Of probable Italian origin. Grown in Oregon for more than 30 years.

430734. PHALARIS AQUATICA L. Poaceae. Bulbous canarygrass.

From Australia. Seed presented by South Australian Seed growers Co-operative Limited through Plant Introduction Section, Commonwealth Scientific and Industrial Research Organization, Canberra City. Numbered December 29, 1978.

'Sirocco'.

430735 to 430738. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From Rhodesia. Seed presented by J. R. Tatterfield, Crop Breeding Institute, Ministry of Agriculture, Salisbury. Received December 29, 1978.

430735. 'Impala'. F₂ single plant selection from N57S85 Se13 (selection out of a line from Cedara, South Africa) and Rhosa. Indeterminate growth habit. Flowers purple. Pubescence dense, grey.

430736. 'Kudu'. Selected from Cross 118, a multiple cross. Determinate growth habit. Flowers white. Pubescence lax, grey.

430737. 'Oribi'. F₂ single plant selection from Hood x 59S136W. Resistant to lodging and shattering. Adapted to elevations over 1000 m. Flowers purple. Pubescence sparse, grey.

430738. 'Rhosa'. Breeder's line No. 59S143 from Lincoln x Blyvoor. Bred in South Africa. Flowers purple. Seed large with small black hilum. Pubescence dense, light grey.

430739. AMPELODESMA sp. Poaceae.

From United States. Seed presented by B. Crampton, Department of Agronomy and Range Science, University of California, Davis. Received November 20, 1978.

T.O. 3991. Originally from Portugal and received as *A. tenax*.

430740 and 430741. ORYZA SATIVA L. Poaceae.**Rice.**

From India. Seed presented by Division of Plant Introduction, National Bureau of Plant Genetic Resources, New Delhi. Numbered December 29, 1978.

430740. CO. 13. Paddy type.

430741. CO. 25. Paddy type.

430742. PANICUM MILIACEUM L. Poaceae.**Proso millet.**

From Australia. Seed presented by the Plant Introduction Section, Commonwealth Scientific and Industrial Research Organization, Canberra City. Numbered December 29, 1978.

'Sirocket 5'. Seed supplied by M. D. Hatch.

430743 to 430750.

From Lemen. Seed collected by D. M. Stewart, United States AID Mission to the Yemen Arab Republic, Sana'a. Numbered December 28, 1978.

430743 to 430746. HORDEUM VULGARE L. Poaceae.**Barley.**

430743. Wadi Nashor, 25 km northwest of Sa'Dah near Saudi Arabia border. Farmer's field. Two-row.

430744. Wadi War War, 101 km northwest of Sana'a, Bilsin. Farmer's field. Two-row. Elevation 450 m.

430745. Village of Hedran, 50 km northwest of Sana'a. Farmer's field, on mountain terrace. Two-row. Elevation 2252 m.

430746. Village of Maf-Dan, 43 km southwest of Sana'a. Farmer's field. Two-row. Elevation 2700-3000 m.

430743 to 430750—Continued

430747 to 430750. TRITICUM AESTIVUM L. Poaceae. Common wheat.

430747. Wadi Mashor, 25 km northwest of Sa'Dah near Saudi Arabia border. Farmer's field.

430748. Village of Maf-Dan, 43 km southwest of Sana'a. Farmer's field. Elevation 2700–3000 m.

430749. Introduced and called Canada. Reportedly from the United States. Village of Maf-Dan, 43 km southwest of Sana'a. Farmer's field, on mountain terrace. Elevation 2700–3000 m.

430750. Selection from 'Parvon' (Mexico), West Germany Al Boun Project, Raydah. Elevation 900 m.

430751. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Israel. Seed presented by E. Goldin, Agricultural Research Organization, The Volcani Center, Bet Dagan. Numbered December 29, 1978. Selection from 'Shulamit'.

430752. CASSIA STURTM R. Br. Fabaceae.

From Australia. Seed presented by Plant Introduction Section, Commonwealth Scientific and Industrial Research Organization, Canberra City. Numbered December 29, 1978.

D107.

430753 to 430876.

From Union of Soviet Socialist Republics. Seed presented by the Research Institute of Grain Farming, Lenin All-Union Academy of Agricultural Sciences, Shorthand, Tselinograd Region, through the N. I. Vavilov Institute of Plant Industry, Leningrad. Received December 26, 1978.

430753 to 430862. ELYMUS ANGUSTUS Trin. Poaceae. Altai wildrye.

430753. BYW-1/71. Collected in 1971.

430754. BYW-72. Collected in 1972.

430755. BYW-0/72. Collected in 1972.

430756. BYW-5/72. Collected in 1972.

430757. BYW-18/72. Collected in 1972.

430758. Y-3-73-74. Collected in 1978.

430759. Y-4-73-74. Collected in 1978.

430760. Y-5-73-75. Collected in 1978.

430761. Y-6-73-75. Collected in 1978.

430762. Y-8-73-74. Collected in 1978.

430763. Y-8-73-75. Collected in 1978.

430764. Y-9-73-74. Collected in 1978.

430765. Y-9-73-75. Collected in 1978.

430766. Y-10-73-75. Collected in 1978.

430767. Y-23-73-75. Collected in 1978.

430768. Y-24-73-75. Collected in 1978.

430769. Y-25-73-75. Collected in 1978.

430753 to 430876—Continued**430753 to 430862—Continued**

- 430770. Y-26-73-75. Collected in 1978.
- 430771. Y-30-73-75. Collected in 1978.
- 430772. Y-31-73-75. Collected in 1978.
- 430773. Y-32-73-75. Collected in 1978.
- 430774. Y-33-73-75. Collected in 1978.
- 430775. Y-34-73-75. Collected in 1978.
- 430776. Y-35-73-75. Collected in 1978.
- 430777. Y-36-73-75. Collected in 1978.
- 430778. Y-37-73-75. Collected in 1978.
- 430779. Y-38-73-75. Collected in 1978.
- 430780. Y-39-73-75. Collected in 1978.
- 430781. Y-40-73-75. Collected in 1978.
- 430782. Y-41-73-75. Collected in 1978.
- 430783. Y-42-73-75. Collected in 1978.
- 430784. Y-43-73-75. Collected in 1978.
- 430785. Y-44-73-75. Collected in 1978.
- 430786. Y-45-73-75. Collected in 1978.
- 430787. Y-47-73-75. Collected in 1978.
- 430788. Y-48-73-75. Collected in 1978.
- 430789. Y-49-73-75. Collected in 1978.
- 430790. Y-50-73-75. Collected in 1978.
- 430791. Y-51-73-75. Collected in 1978.
- 430792. Y-52-73-75. Collected in 1978.
- 430793. Y-53-73-75. Collected in 1978.
- 430794. Y-54-73-75. Collected in 1978.
- 430795. Y-55-73-75. Collected in 1978.
- 430796. Y-56-73-75. Collected in 1978.
- 430797. Y-58-73-75. Collected in 1978.
- 430798. Y-59-73-75. Collected in 1978.
- 430799. Y-60-73-75. Collected in 1978.
- 430800. Y-61-73-75. Collected in 1978.
- 430801. Y-62-73-75. Collected in 1978.
- 430802. Y-63-73-75. Collected in 1978.
- 430803. Y-64-73-75. Collected in 1978.
- 430804. Y-65-73-75. Collected in 1978.
- 430805. Y-66-73-75. Collected in 1978.
- 430806. Y-71-73-75. Collected in 1978.
- 430807. Y-72-73-75. Collected in 1978.
- 430808. Y-73-73-75. Collected in 1978.
- 430809. Y-74-73-75. Collected in 1978.
- 430810. Y-75-73-75. Collected in 1978.

430753 to 430876—Continued**430753 to 430862—Continued**

- 430811. Y-76-73-75. Collected in 1978.
- 430812. Y-77-73-75. Collected in 1978.
- 430813. Y-78-73-75. Collected in 1978.
- 430814. Y-79-73-75. Collected in 1978.
- 430815. Y-80-73-75. Collected in 1978.
- 430816. Y-82-73-75. Collected in 1978.
- 430817. Y-83-73-75. Collected in 1978.
- 430818. Y-85-73-75. Collected in 1978.
- 430819. Y-86-73-75. Collected in 1978.
- 430820. Y-87-73-75. Collected in 1978.
- 430821. Y-88-73-75. Collected in 1978.
- 430822. Y-89-73-75. Collected in 1978.
- 430823. Y-90-73-75. Collected in 1978.
- 430824. Y-91-73-75. Collected in 1978.
- 430825. Y-92-73-75. Collected in 1978.
- 430826. Y-94-73-75. Collected in 1978.
- 430827. Y-95-73-75. Collected in 1978.
- 430828. Y-96-73-75. Collected in 1978.
- 430829. Y-97-73-75. Collected in 1978.
- 430830. Y-98-73-75. Collected in 1978.
- 430831. Y-99-73-75. Collected in 1978.
- 430832. Y-100-73-75. Collected in 1978.
- 430833. Y-101-73-75. Collected in 1978.
- 430834. Y-103-73-75. Collected in 1978.
- 430835. Y-104-73-75. Collected in 1978.
- 430836. Y-105-73-75. Collected in 1978.
- 430837. Y-106-73-75. Collected in 1978.
- 430838. Y-107-73-75. Collected in 1978.
- 430839. Y-108-73-75. Collected in 1978.
- 430840. Y-109-73-75. Collected in 1978.
- 430841. Y-110-73-75. Collected in 1978.
- 430842. Y-111-73-75. Collected in 1978.
- 430843. Y-112-73-75. Collected in 1978.
- 430844. Y-116-73-75. Collected in 1978.
- 430845. Y-118-73-75. Collected in 1978.
- 430846. Y-120-73-75. Collected in 1978.
- 430847. Y-121-73-75. Collected in 1978.
- 430848. Y-125-73-75. Collected in 1978.
- 430849. Y-127-73-75. Collected in 1978.
- 430850. Y-128-73-75. Collected in 1978.
- 430851. Y-130-73-75. Collected in 1978.

430753 to 430876—Continued**430753 to 430862—Continued**

430852. Y-131-73-75. Collected in 1978.
 430853. Y-132-73-75. Collected in 1978.
 430854. Y-133-73-75. Collected in 1978.
 430855. Y-135-73-75. Collected in 1978.
 430856. Y-136-73-75. Collected in 1978.
 430857. Y-139-73-75. Collected in 1978.
 430858. Y-143-73-75. Collected in 1978.
 430859. Y-146-73-75. Collected in 1978.
 430860. Y-147-73-75. Collected in 1978.
 430861. Y-148-73-75. Collected in 1978.
 430862. Y-151-73-75. Collected in 1978.

**430863 to 430876. PSATHYROSTACHYS JUNCEA (Fisch.) Nevski. Poaceae.
 Russian wildrye.**

430863. B-598-71. Received as *Elymus junceus*. Collected in 1976.
 430864. B-608-71. Received as *Elymus junceus*. Collected in 1976.
 430865. B-651-71. Received as *Elymus junceus*. Collected in 1976.
 430866. B-667-71. Received as *Elymus junceus*. Collected in 1976.
 430867. B-672-71. Received as *Elymus junceus*. Collected in 1976.
 430868. B-733-71. Received as *Elymus junceus*. Collected in 1976.
 430869. B-808-71. Received as *Elymus junceus*. Collected in 1976.
 430870. B-950-71. Received as *Elymus junceus*. Collected in 1976.
 430871. B-1317-71. Received as *Elymus junceus*. Collected in 1976.
 430872. B-1319-71. Received as *Elymus junceus*. Collected in 1976.
 430873. B-1330-71. Received as *Elymus junceus*. Collected in 1976.
 430874. B-1699-71. Received as *Elymus junceus*. Collected in 1976.
 430875. B-1729-71. Received as *Elymus junceus*. Collected in 1976.
 430876. B-2079-71. Received as *Elymus junceus*. Collected in 1976.

430877 to 430886.

From New Guinea. Cuttings collected November-December, 1977 by W. S. Hoover, Coronation Farm, Williamstown, Massachusetts, for Germplasm Resources Laboratory, U. S. Department of Agriculture, Beltsville, Maryland. Numbered December 27, 1978.

430877. IMPATIENS sp. Balsaminaceae.

7. Along path from Edie Creek Road to Mt. Kiandi. Low growing with short internodes. Stems red. Leaves dark green with red midrib, to 8 cm long. Wild.

430877 to 430886—Continued**430878. IMPATIENS sp.**

355. Namie Creek on road Wau to Edie Creek. Elevation 1,220 m. Plant to 0.76 m tall. Leaves dark green with white midrib. Flowers with short spurs, 3.8 cm diameter. Wild.

430879. IMPATIENS sp.

368. Garden area on Mt. Michael, Eastern Highlands District. Stems red. Leaves with yellow bands bordering pink midrib. Flowers pink with white eye. Cultivated.

430880. IMPATIENS sp.

371. Garden area on Mt. Michael. Eastern Highlands District. Stem dark red. Leaves broad, light green. Flowers orange vermillion with violet eye. Cultivated.

430881. IMPATIENS sp.

372. Garden area on Mt. Michael. Eastern Highlands District. Stems red. Leaves very narrow, becoming almost completely yellow on upper surface, pink below. Cultivated.

430882. IMPATIENS sp.

375. Garden area on Mt. Michael, Eastern Highlands District. Stems red. Leaves narrow, light green with narrow band of yellow bordering part of red midrib. Cultivated.

430883. IMPATIENS sp.

420. Garden at house near gate on road to Mt. Wilhelm, Chimbu Province. Leaves short, medium wide. Flowers with long inflated spur, purplish red. Cultivated.

430884. IMPATIENS sp.

421. Garden at house near gate on road to Mt. Wilhelm, Chimbu Province. Stem deep red. Leaves red. Flowers orange, very large. Cultivated.

430885. IMPATIENS sp.

422. Lumber road from Catholic Mission to Mt. Wilhelm, Chimbu Province. Stem red. Leaves crenate, variegated white, yellow, green and red. Flower petals white with pink, sepals. Wild.

430886. IMPATIENS sp.

Stem slightly pink. Leaves medium wide, green with white midrib above, red beneath. Wild.

430887 and 430888. MALUS SYLVESTRIS Mill. Rosaceae. Apple.
From Japan. Cuttings provided by S. Fukushima, Aomori Apple Experiment Station, Kuroishi-City, Aomori. Numbered December 28, 1978.

430887. 'Akane'.

430888. 'Sekaiichi'.

430889. MALUS SYLVESTRIS Mill. Rosaceae. Apple.

From England. Cuttings provided by F. Alston, East Malling Research Station, Kent, England. Numbered December 28, 1978. A236/1. Derived from James Grieve \times OR54T170.

430890. PYRUS sp. Rosaceae.

From Canada. Cuttings provided by A. Vecchio, London, Ontario. Numbered December 28, 1978.

430891. CARYA sp. Juglandaceae.

From People's Republic of China. Seeds presented by C. S. Cheng, Hangchow, Chekiang, through U. S. Pecan Field Station, Brownwood, Texas. Received December 28, 1978.

Received as *Carya kweichowensis* Kuang et A, M. Lu sp. nov.

430892 to 430899. PRUNUS PERSICA (L.) Batsch Rosaceae. Peach.

From People's Republic of China. Seed presented by S. W. Zagaja, Research Institute of Pomology, Pomologiczna 18, Poland. Received December 20, 1978.

430892. Shanghai market. Flesh yellow, melting.

430893. Shanghai market. Flesh yellow, nonmelting. Clingstone.

430894. Peking market. Flesh white, melting. Clingstone.

430895. Shanghai market. Flesh white, melting.

430896. From Cheng-chow, Honan Province.

430897. Ying-ching from Nanking. Flesh white. Clingstone. Size medium. Maturity late.

430898. From orchard of Nanking Academy.

430899. Peking market. Flesh white, melting. Clingstone.

430900. MEDICAGO (hybrid) Fabaceae.

From England. Seed presented by G. Lewis, Herbarium, Royal Botanic Gardens, Kew, Richmond, Surrey. Received December 27, 1978. Progeny of a cross *Medicago sativa* \times *M. lupulina*.

430901. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Brazil. Seed presented by Seventh Day Adventist School through G. F. Warren, Office of Agriculture, Development Support Bureau, Agency for International Development, Washington, D.C. Received October 20, 1978.

Collected about 80 km east of Manaus. Latitude 3.5° South. Shortday type. Cultivated.

430902 to 431451. ORYZA SATIVA L. Poaceae. Rice.

From Pakistan. Seed presented by I. Hussain, Agricultural Research Council, Karachi, under Public Law Project A17-PSR-5. Received December 29, 1978.

- 430902. P 258. 291 Tiri.
- 430903. P 279. 18A.
- 430904. P 477. 206 Santhi.
- 430905. P 481. 232 Santhi.
- 430906. P 482. 235 Santhi Kalri.
- 430907. P 483. 240 Santhi Sufaid.
- 430908. P 487. 288 Santhi.
- 430909. P 488. 990 Santhi.
- 430910. P 489. 990A Santhi.
- 430911. P 490. 252A Santhra.
- 430912. P 499. 306 Sathra.
- 430913. P 508. 354 Sathra.
- 430914. P 510. 422 Sathra.
- 430915. P 511. 1/38.
- 430916. P 534. 287 Tiri.
- 430917. P 554. C7 12 P7.
- 430918. P 567. Kakai.
- 430919. P 582.
- 430920. P 592.
- 430921. P 593.
- 430922. P 594. Coarse.
- 430923. P 598. Basmati.
- 430924. P 601 Basmati.
- 430925. P 613.
- 430926. P 618. Sugdasi.
- 430927. P 628. Sugdasi.
- 430928. P 630.
- 430929. P 639.
- 430930. P 640.
- 430931. P 641.
- 430932. P 648. Basmati Fine.
- 430933. P 652. Coarse.
- 430934. P 563. Sathri.
- 430935. P 654.
- 430936. P 657. Red rice.
- 430937. P 670.
- 430938. P 682.
- 430939. P 687.
- 430940. P 692. Khara Ganja type.

430902 to 431451—Continued

- 430941. P 693. Jira Shahi.
- 430942. P 694.
- 430943. P 701.
- 430944. P 702. Sugdasi.
- 430945. P 704.
- 430946. P 706.
- 430947. P 707. Coarse like IR 262.
- 430948. P 708. Torhcoarse type.
- 430949. P 714.
- 430950. P 715.
- 430951. P 716.
- 430952. P 721. Ratrio.
- 430953. P 723. Khara Ganja.
- 430954. P 724.
- 430955. P 733.
- 430956. P 737.
- 430957. P 741.
- 430958. P 742.
- 430959. P 743. Motia.
- 430960. P 744.
- 430961. P 745. Sugdasi Red.
- 430962. P 746. Sugdasi type.
- 430963. P 747. Kangni type.
- 430964. P 748. Bedri.
- 430965. P 750. Talk White.
- 430966. P 751. Kangni type.
- 430967. P 752. Sugdasi type.
- 430968. P 753.
- 430969. P 754. IP 144.
- 430970. P 755. IP 125.
- 430971. P 756. IP 18.
- 430972. P 757. T 18.
- 430973. P 758. 3/30.
- 430974. P 759. 23/30.
- 430975. P 760. D 38/2.
- 430976. P 761. Shim Balte.
- 430977. P 762. Halwa Gose Red.
- 430978. P 763. Amber Coarse.
- 430979. P 764. Shimla Early.
- 430980. P 765. Amber 43.
- 430981. P 766. Nema.
- 430982. P 767. Shima.

430902 to 431451—Continued

- 430983. P 768. Nema.
- 430984. P 769. Honduras 5.
- 430985. P 770. Acadia 1988.
- 430986. P 771. Shenrikhi 1642.
- 430987. P 772. Watrij Beena 1561.
- 430988. P 774. Deli Tue 1206.
- 430989. P 775. 77/30 Jai Jai.
- 430990. P 776. Silwa Jubli.
- 430991. P 777. Bara Peshanari.
- 430992. P 778. ADT 3.
- 430993. P 779. ADT 4.
- 430994. P 780. ADT 9.
- 430995. P 781. ADT 12.
- 430996. P 782. ADT 14.
- 430997. P 783. ADT 15.
- 430998. P 784. ADT 16.
- 430999. P 785. ADT 19.
- 431000. P 786. Dera Wadi 1/43.
- 431001. P 787. Dera Wadi A/43.
- 431002. P 788. Marangoo 1.
- 431003. P 789. Marangoo 2.
- 431004. P 790. 426 Pachodi.
- 431005. P 791. 427 Pachodi.
- 431006. P 792. 431 Pachodi.
- 431007. P 793. 436 Pachodi.
- 431008. P 794. 437 Pachodi.
- 431009. P 795. 460 Pachodi.
- 431010. P 796. 502 Ramana Bamaba.
- 431011. P 797. Dacca 2.
- 431012. P 798. Dacca 4.
- 431013. P 799. Dacca 6.
- 431014. P 800. Dacca 16.
- 431015. P 801. Dacca 18.
- 431016. P 802. Thangi.
- 431017. P 803. Paki Black.
- 431018. P 804. Paki Red.
- 431019. P 805. CP × 1 B.B. 77 × Nangfision.
- 431020. P 806. Cat 1484.
- 431021. P 807. Cat 1712.
- 431022. P 808. Cat 17 04.
- 431023. P 809. Cat 17 70.
- 431024. P 810. Cat 1747.

430902 to 431451—Continued

- 431025. P 811. Cat 1859.
- 431026. P 812. Cat 2114.
- 431027. P 813. Cat 2325.
- 431028. P 814. Cat 3150.
- 431029. P 815. Y3 7 1.
- 431030. P 816. Y807.
- 431031. P 817. YB 3 1.
- 431032. P 818. Y12 3 2.
- 431033. P 819. Y150.
- 431034. P 820. Y2181.
- 431035. P 821. Y2069.
- 431036. P 822. Y2187.
- 431037. P 823. Y180.
- 431038. P 824. Y2186.
- 431039. P 825. Y1224.
- 431040. P 826. Y1227.
- 431041. P 827. Y2272.
- 431042. P 828. Y2178 6.
- 431043. P 831. KD 15 D Karsh Mir.
- 431044. P 832. KD 15 DA Karsh Mir.
- 431045. P 833. Mahiwan Karsh Mir.
- 431046. P 834. YD L D.
- 431047. P 835. Kathiwan.
- 431048. P 836. Musshi Budji.
- 431049. P 837. Kalizagar.
- 431050. P 838. Budgi/37.
- 431051. P 839. Balw/39 Red.
- 431052. P 840. Badzog.
- 431053. P 841. Muna Bad.
- 431054. P 842. Shin 2.
- 431055. P 843. Rikua 132.
- 431056. P 844. Karang Serang.
- 431057. P 845. Yabani Pearl.
- 431058. P 846. Yabani Montakhil.
- 431059. P 847. Sadri Tor Misri.
- 431060. P 848. Sadri Siah Dum.
- 431061. P 849. Sadri Dum Sufaid.
- 431062. P 850. Champa Zoodrus.
- 431063. P 851. Gurdab Nam Majlis Shahi.
- 431064. P 852. Bename.
- 431065. P 853. Qari Bak.
- 431066. P 854. Shahi Champa.

430902 to 431451—Continued

- 431067. P 855. Ar Borio.
- 431068. P 856. Americano.
- 431069. P 857. R Ber Soeni.
- 431070. P 858. Ardito.
- 431071. P 859. Insem × Tremes ino.
- 431072. P 860. Precozverde.
- 431073. P 861. Maji Cano.
- 431074. P 862. Fortuna Blanco.
- 431075. P 863. Fortuna Moredo.
- 431076. P 864. Book.
- 431077. P 865. T100.
- 431078. P 866. Heenat 13224.
- 431079. P 867. Victory.
- 431080. P 868. Yuant STT 2.
- 431081. P 869. Middle Farmer.
- 431082. P 870. Sia Bud Via.
- 431083. P 871. A 31 12 Late.
- 431084. P 872. D S I Selected Dangar Shah.
- 431085. P 873. U V S Selected Medgoscer.
- 431086. P 874. Sadri Dum Siah.
- 431087. P 875. Ghoal Champa.
- 431088. P 876. Champa Shustras.
- 431089. P 877. Ordinary Champa.
- 431090. P 878. Agani Montakhel.
- 431091. P 879. Gexa 14 Yabami.
- 431092. P 880. Montakcl.
- 431093. P 881. Yalani Pearl.
- 431094. P 885. Takera.
- 431095. P 886. Beniser Goku.
- 431096. P 887. Sutto Zuiko.
- 431097. P 888. Tsurugila.
- 431098. P 889. Hosako.
- 431099. P 890. Norin 22.
- 431100. P 891. Sunto Norin.
- 431101. P 892. Taskopru Kastamona.
- 431102. P 893. Tosya Kastamona.
- 431103. P 894. Norin 1.
- 431104. P 895. Ardito.
- 431105. P 896. Rizotto.
- 431106. P 897. D S I.
- 431107. P 898. Varylana 16 (Modagakor).
- 431108. P 899. U V S 2.

430902 to 431451—Continued

- 431109. P 900. W 18.
- 431110. P 901. W 93.
- 431111. P 902. WB 103.
- 431112. P 903. W 103.
- 431113. P 904. W 107.
- 431114. P 905. M 7.
- 431115. P 906. Bengalo.
- 431116. P 907. CH 47 14.
- 431117. P 908. A31 12 14.
- 431118. P 909. Kangnix Torch.
- 431119. P 910. Red Kangro.
- 431120. P 911. Kui Maze.
- 431121. P 912. Norin 25.
- 431122. P 913. Norin 1.
- 431123. P 914. Norin 17.
- 431124. P 915. Beni Songoku.
- 431125. P 916. Norin 18.
- 431126. P 917. A/163 Zuikoe × Ruler Cross.
- 431127. P 918. A/328.
- 431128. P 919. A/152.
- 431129. P 920. A/57.
- 431130. P 921. A/287.
- 431131. P 922. Fukuko × Kataktara D/26.
- 431132. P 923. D/64 × Katakatarata D/26.
- 431133. P 924. Gukuku × Maichlati.
- 431134. P 925. Fukuku × Hasbi Klami 22.
- 431135. P 926. P/III Zuikoex Hasbi Klami.
- 431136. P 927. Panlura.
- 431137. P 928. Char Boek.
- 431138. P 929. Maisch Boek.
- 431139. P 930. Dhalasaitor.
- 431140. P 931. Dhayial.
- 431141. P 932. Charnack Early.
- 431142. P 933. Hasbi Kalmi.
- 431143. P 934. Dular.
- 431144. P 935. KP F/16.
- 431145. P 937. Sonhari Kangni.
- 431146. P 938. Kangni 19.
- 431147. P 939. Dokri Basmati.
- 431148. P 940. Kalambion.
- 431149. P 941. Panta Rubera.
- 431150. P 942. Tor Tora.

430902 to 431451—Continued

- 431151. P 943. CP 231.
- 431152. P 944. Taichung 65.
- 431153. P 945. Taipai 177.
- 431154. P 946. New Chinazo.
- 431155. P 947. Kamodi.
- 431156. P 948. Kalai Peshawari.
- 431157. P 949. Daud Zai.
- 431158. P 950. Egypt 1.
- 431159. P 951. Egypt 2.
- 431160. P 952. Egypt 3.
- 431161. P 953. Egypt 4.
- 431162. P 954. Egypt 5.
- 431163. P 955. Egypt 6.
- 431164. P 956. T N I.
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431452 and 431453. NICOTIANA TABACUM L. Solanaceae.

Tobacco.

From Japan. Seeds presented by A. Nakamura, Iwata Tobacco Experiment Station, Iwata. Numbered December 29, 1978.

- 431452. N. 209. High yield. Multiple resistance to black shank, tobacco mosaic virus, and bacterial wilt.
- 431453. N. 210. High yield. Multiple resistance to black shank, tobacco mosaic virus, and bacterial wilt.

431454 and 431455. VIGNA UNGUICULATA (L.) Walp. subsp.

UNGUICULATA Fabaceae.

Southern pea.

From Brazil. Seed collected by M. J. Lukefahr, U.S. Department of Agriculture, Agricultural Research Center, Weslaco, Texas. Received October 23, 1978.

- 431454. Collected August 2, 1978, at Patos, Paraiba State. Seed medium size, brown. Cultivated.
- 431455. Collected August 2, 1978, at Patos, Paraiba State. Seed medium size, tan. Cultivated.

431456 and 431457. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Argentina. Seed presented by Estacion Experimental Agropecuaria, Instituto Nacional de Tecnologia Agropecuaria, Manfredi. Received October 27, 1978.

- 431456. Manfredi Virginia 3.
- 431457. Manfredi Virginia 5.

431458. LINUM USITATISSIMUM L. Linaceae.

Flax.

From France. Seed presented by F. Plonka, Station De Genetique et D'Amelioration des Plantes, Institut National de la Recherche Agronomique, Versailles. Numbered December 29, 1978.

'Nivale'. R-6-7-78. Selected from the Argentina cultivar Klein. Oilseed, winter type.

431459 to 431461.

From People's Republic of China. Cuttings presented by the 1977 Citrus Study Delegation, Chinese Agriculture Association. Descriptions provided by Yin-ming Ye, Citrus Fruits Research Institute, Chungking, Szechwan. Received October 31, 1977.

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431459. CITRUS KINOKUNI Hort. ex Tanaka Rutaceae.

Mandarin.

Nan Fong. Origin Kiangsi. Fruit flat round, small, high quality. Rind yellow and orange. Flesh very sweet, tender, fine textured, good flavor. Seeds few, monoembryonic. Trees cold resistant, intermediate in size, spreading habit. Maturity November.

431460. CITRUS SINENSIS (L.) Osb. Rutaceae.

Sweet orange.

Ching Chan (Glorious). Origin Szechwan, Su Chiang Province. Fruit oblong, medium. Rind dark orange. Flesh high in sugar and acid, good for juice. Seed polyembryonic. Maturity December. Yield high.

431461. FORTUNELA CRASSIFOLIA Swingle Rutaceae.

Kumquat.

Jin Dang. Flowers in spring and fall. Fruit oval, small. Rind yellowish orange, thick. Flesh sweet, fibrous, used for processing as candy, jam, and cakes. Seed polyembryonic.

431462. CITRUS LIMON (L.) Burm. f. Rutaceae.

Lemon.

From Iran. Cuttings presented by L. C. Cochran through the Safiabad Research Center, Dezful. Received October 31, 1978.

Locally grown. Smaller than U.S. Lisbons. Skin thin. Keeping quality good.

431463. ASPARAGUS OFFICINALIS L. Liliaceae.

Garden asparagus.

From West Germany. Seed presented by Institut fur Angewandte Genetik Der Technischen, Universitat Hannover, Hannover. Received December 29, 1978.

Tetraploid. U.S. greenhouse seed increase. Most plants hermaphroditic.

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