Plant Inventory
No. 189

Plant Material Introduced
January 1 to December 31, 1981
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Plant Inventory No. 189 is a historical record of accessioned plant germplasm; it is not a listing of plant material for distribution. Questions about data organization and proper plant identification in this inventory should be directed to the authors.

Thanks are expressed to the following persons associated with the Plant Introduction Office for their contributions to Plant Inventory No. 189: L. G. Garner and R. A. Norris for continued excellence in handling all aspects of the computer system operation; and S. Kenworthy for coordinating PI and associated records and correspondence. Assistance by J. Mowder, Communications and Data Services Division, with software and hardware problems is appreciated. Services performed by the University of Maryland were provided through a cooperative agreement.

George A. White, agriculturalist
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and

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Department of Botany, University of Maryland
College Park, Maryland 20742

Issued April 1983
452072 TO 452086. Vitis vinifera L. (Vitaceae) European grape.

From France. Station de Pathologie Vegetale, Inst. Natl. de la Recherche Agron., Centre de Recherches de Colmar, 68021 Colmar. Received through H. R. Cameron, Oregon State University, Corvallis, Oregon. Received November 1980.


452087 TO 452092. Vitis vinifera L. (Vitaceae) European grape.

From France. Station de Recherches Viticoles, Ecole National Superieure Agronomique, 34060 Montpellier. Received through H. R. Cameron, Oregon State University, Corvallis, Oregon. Received November 1980.

452087 TO 452092-continued
Cuttings.

Cuttings.

Cuttings.


452093 TO 452098. Gossypium arboreum L. (Malvaceae) Ceylon cotton.

From China, Peoples Repub of. Institute of Economic Crops,
Jiangsu Academy of Agricultural Sciences, Nanjing 210014.
Received January 1981.


Fruit dumbbell shaped. Cultivated. Seed.

452097. Shanghai Ying. Referred to as lake cotton. Cultivated.
Seed.


452099 TO 452100. Gossypium barbadense L. (Malvaceae) Sea-island
cotton.

From China, Peoples Repub of. Institute of Economic Crops,
Jiangsu Academy of Agricultural Sciences, Nanjing 210014.
Received January 1981.

452099. Long fibre No. 3. Cultivated. Seed.


452101 TO 452112. Gossypium hirsutum L. (Malvaceae) Upland cotton.

From China, Peoples Repub of. Institute of Economic Crops,
Jiangsu Academy of Agricultural Sciences, Nanjing 210014.
Received January 1981.

452101 TO 452112-continued


From Japan. Division of Genetics, National Institute of Agricultural Sciences, Yatabe, Tsukuka 305. Received December 1980.


452114. Phaseolus lunatus L. (Fabaceae) Lima bean.

From Brazil. H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Received through M. J. O'Brien, Germplasm Resources Lab., USDA, Beltsville, Maryland. Received January 1981.


452115 TO 452117. Cicer arietinum L. (Fabaceae) Chickpea.

From India. Regional Pulse Improvement Project, Agency for International Development & U.S. Dept. of Agriculture, New Delhi.
452115 TO 452117—continued
Received January 1981.

452115. 12-069-00010. India. Seed.
452116. 12-069-00011. India. Seed.
452117. 12-069-00730. India. Seed.

From France. S. D. Sunderwirth, UNISIGMA, Gie de Recherche et
Selection, 60480 - Froissy.
Received December 1980.

452118. 'Aiglon'. Awnless, soft red. Stripe rust resistant.
Bread baking quality good. Facultative Annual. Cultivar.
Seed.

452119. 'Camp Remy'. Awnless, soft red. Stripe rust resistant.

452120. 'Carat'. Awnless, soft white. Moderately resistant to
Cultivar. Seed.

452121. 'Diam'. Awnless, soft red. Moderately resistant to
Cultivar. Seed.

452122 TO 452124. Solanum melongena L. (Solanaceae) Eggplant.
From Italy. Instituto di Agronomia Generale e Coltivazioni,
Erbacee, Universita Di Bologna, Bologna.
Received December 1980.

452122. Lunga violetta di Romagna. Plants to 75cm tall.
Spineless. Flowers pale pink. Fruits deep violet, weigh
150g. Cultivated. Seed.

452123. Tonda di Manfredonia. Plants to 65cm tall. Spineless.
Flowers pale pink. Fruits violet, weigh 640g. Cultivated.
Seed.

Cultivated. Seed.

From Canada. D. R. Metcalfe, Research Station, Agriculture
Canada, Winnipeg, Manitoba R3T 2M9.
452125—continued
Received December 1980.

'Norbert'. C15791/Parkland//Betzes/3/Betzes/Piroline/4/
Akka/5/Centennial/6/Klages. Plants medium height, medium
maturity, glabrous. Spikes dense, 2-row club type.
Rachilla hairs long. Awns present, semi-smooth. Caryopsis
covered, yellow. Aleurone color yellow (white). Yield
high. Resistant to lodging, shattering, neck breaking and
Resistant to Helminthosporium teres & Puccinia graminis.
Mod. resistant to barley yellow dwarf. Annual. Cultivated.
Seed.

452126. Allium hybrid (Amaryllidaceae).

From Soviet Union. N. I. Vavilov Institute of Plant Industry,
Leningrad.
Received January 1981.

Allium cepa x A. oschaninii. Krasnodar Territory.


From United States. A. J. Oakes and J. Smith, USDA, Germplasm
Resources Laboratory, Beltsville and Bowie, Maryland.
Received January 1981.

3380. Collected August 1978. Highway ditch near Royal
Oak, Maryland. Plants tufted, to 1 m high. Foliage

452128. Erianthus ravennae (L.) Beauv. (Poaceae) Ravenna grass.

From United States. A. J. Oakes and J. Smith, USDA, Germplasm
Resources Laboratory, Beltsville and Bowie, Maryland.
Received January 1981.

3379. Collected August 1978. Floodplain, Nanticoke
River, west of Denton, Maryland. Plants tufted, 4m high.
Wild. Plants.

452129. Lupinus albicaulis Dougl. (Fabaceae) Sickle-keeled lupine.

From United States. Corvallis Plant Materials Center, Soil
Conservation Service, U. S. Department of Agriculture,
Corvallis, Oregon.
Received January 1981.
452130 TO 452131. Aegilops tauschii Coss. (Poaceae).

From China, Peoples Repub of. Institute of Genetics, Academia Sinica, Beijing. Received through D.R.Dewey, USDA Crops Research Laboratory, Utah State Univ., Logan, Utah. Received January 1981.


452132 TO 452133. Secale cereale L. (Poaceae) Rye.

From China, Peoples Repub of. Institute of Genetics, Academia Sinica, Beijing. Received through D.R.Dewey, USDA Crops Research Laboratory, Utah State Univ., Logan, Utah. Received January 1981.


452134. Astragalus bungeanus Boiss. (Fabaceae).


452135 TO 452137. Astragalus sp. (Fabaceae).


452135 TO 452137-continued

Years of Kazakhstan", 40km W of Shorthandy. Ravine closest to headquarters. Plants semi-prostrate with 30-40cm stems, long heads. Wild. Seed.


452138 TO 452231. Oryza sativa L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manila. Received November 1980.


452150. BKN7022-10-1-4. 79 IRDWON. IRTP deep water type. Cultivated. Seed.

452151. BPI Ri-2. 78 IRYN E. IRTP early maturity, high-yielding type. Cultivated. Seed.

452153. BR51-46-5. 79 IRYN M. IRTP medium maturity, high-yielding type. Cultivated. Seed.

452154. BR51-46-1-C1. 79 IUROW. IRTP early maturity, high-yielding type. Cultivated. Seed.


452157. CN 540. 78 IRDWON. IRTP deep water type. Cultivated. Seed.

452158. CNL 31. 78 IRDWON. IRTP deep water type. Cultivated. Seed.

452159. CNL 539. 78 IRDWON. IRTP deep water type. Cultivated. Seed.


452175. IR36. 79 IRTN E. IRTP early maturity, high-yielding type. Cultivated. Seed.
452177. IR4422-98-3-6-1. 79 IRYN M. IRTP medium maturity, high-yielding type. Cultivated. Seed.
452138 TO 452231—continued
Cultivated. Seed.


452204. IRRI 14948. MCR 603-303. 79 IRYN E. IRTP early maturity, high-yielding type. Cultivated. Seed.


452208. HCR 603-303. 79 IRYN E. IRTP early maturity, high-yielding type. Cultivated. Seed.

452227. Taichung sen nyu 195. 79 IRYN M. IRTP medium maturity, high-yielding type. Cultivated. Seed.

452232 TO 452247. Setaria italica (L.) Beauv. (Poaceae) Foxtail millet.

From India. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad - 500 016, AP.
452232 TO 452247—continued
Received December 1980.


452248 TO 452256. Zea mays L. (Poaceae) Field corn.

From China, Peoples Repub of. Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through The 1979 Chinese Crop Germplasm Resources Study Group. Received September 1980.


452248 TO 452256-continued


452257 TO 452259. Zea mays L. (Poaceae) Field corn.

From China, Peoples Repub of. Crop Germplasm Research Institute, Chinese Academy of Agricultural Sciences, Beijing. Received through Ferry Morse Seed Co. Received September 1980.


452260. Secale vavilovii Grossh. (Poaceae).

From China, Peoples Repub of. Institute of Genetics, Academia Sinica, Beijing. Received through D.R. Dewey, USDA Crops Research Laboratory, Utah State Univ., Logan, Utah. Received January 1981.


From China, Peoples Repub of. Fu Liu, Gansu Bureau of Agriculture, Lanzhou, Gansu Province. Received through D.R. Dewey, USDA Crops Research Laboratory, Utah State Univ., Logan, Utah. Received January 1981.


From China, Peoples Repub of. Fu Liu, Gansu Bureau of
452262 TO 452265—continued
Agriculture, Lanzhou, Gansu Province. Received through
D. R. Dewey, USDA Crops Research Laboratory, Utah State
Univ., Logan Utah.
Received January 1981.

Cultivated. Seed.

452263. Hong-guang-tou. Mingchin County, Gansu Province. Annual.
Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.


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

NA 31352. 'Twiggy'. Female seedling selected in 1964 by
W. F. Kosar. Plants compact, globe-shaped, densely
branched. Shearing not required. Growth rate slow to
moderate. Leaves small, elliptic, dark green. Perennial

452267. Ipomoea batatas (L.) Lam. (Convolvulaceae) Sweet potato.

From Guatemala. J. E. Prybot, Peace Corps, San Pedro La Laguna,
Solola.
Received January 1981.

Guatemala. University of San Carlos, San Carlos,
Cultivated. Roots.

452268 TO 452270. Pennisetum americanum (L.) Leeke (Poaceae) Pearl
millet.

From Soviet Union. N. I. Vavilov All-Union Institute of Plant
Industry, Leningrad. Code numbers refer to Delectus
Received September 1980.

452268. VIR 27150. Ostistoje 214. Received as P. typhoideum.
Cultivated. Seed.
452268 TO 452270—continued

452269. VIR 27151. Bezostoje 222. Received as P. typhoideum. Cultivated. Seed.

452270. VIR 30683. Ranneje mestnoje. Received as P. typhoideum. Cultivated. Seed.

452271 TO 452272. Cenchrus ciliaris L. (Poaceae) Buffelgrass.


452271. FAO 408. Cultivated. Seed.


452273 TO 452274. Panicum coloratum L. (Poaceae) Kleingrass.


452275 TO 452277. Oryza sativa L. (Poaceae) Rice.

From Bangladesh. Bangladesh Rice Research Institute, Joydebpur, Dacca. Received January 1981.


452278 TO 452283. Oryza sativa L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manila. Received January 1981.


452279. Echin Nan B. Cultivated. Seed.
452281. V20B. Cultivated. Seed.
452282. Zhen Shan 97A. Cultivated. Seed.
452283. Zhen Shan 97B. Cultivated. Seed.

452284. Lycopersicon pimpinellifolium (L.) Mill. (Solanaceae) Currant tomato.

From Honduras. R. J. Knight, USDA Subtropical Horticulture Research Unit, Miami, Florida.
Received September 1980.


452285. Zinnia sp. (Asteraceae).

From Honduras. R. J. Knight, USDA Subtropical Horticulture Research Unit, Miami, Florida.
Received September 1980.


452286 TO 452293. Elymus mollis Trin. (Poaceae).

From Canada. A. Comeau, Research Station, Agriculture Canada, Sainte-Foy, Quebec G1V 2J3. Code numbers refer to collector designations.
Received January 1981.


452287. C-5. Collected October 22, 1980. Colombier, Quebec. Received as Elymus arenarius f. sp. villosus. Collected by A. Comeau. Seed.


452289. C-11. Collected October 22, 1980. St.-Tite des Caps,
452286 TO 452293-continued

near Quebec City, Quebec. Received as Elymus arenarius f. sp. villosus. Collected by A. Comeau. Seed.


452291. PAY-1. Collected September 30, 1980. Lac a L'Eau Claire, near Poste La Baleine, Quebec. Received as Elymus arenarius f. sp. villosus. Collected by S. Payette, Lavel University, Ste.-Foy, Quebec. Cold tolerant. Seed.

452292. PAY-3. Collected September 30, 1980. Poste La Baleine, Quebec. Received as Elymus arenarius f. sp. villosus. Collected by S. Payette, Lavel University, Ste.-Foy, Quebec. Seed.


From Australia. P. Portmann, Western Australia Department of Agriculture, South Perth, Western Australia. Received February 1981. Forrest. Cultivated. Seed.

452295 TO 452422. Hordeum vulgare L. (Poaceae) Barley.

From United Kingdom. Nickerson RPB Ltd., Joseph Nickerson Research Center, Rothwell, Lincoln LNT 6DT. Received February 1981.


452295  TO 452422—continued

Material. Seed.


452295 to 452422—continued


452295 to 452422—continued

Material. Seed.


452295 TO 452422-continued


452423 TO 452429. Oryza sativa L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manila. Received December 1980.

452423. CR 1006. IRTP. Cultivated. Seed.
452424. CR 1009. IRTP. Cultivated. Seed.
452426. IR9224-117-2. IRTP. Cultivated. Seed.
452427. IR9859-45-2. IRTP. Cultivated. Seed.
452428. MR 1. IRTP. Cultivated. Seed.
452429. PTB 33. IRTP. Cultivated. Seed.


From Brazil. Centro Nacional de Recursos Genéticos, Empresa Brasileira de Pesquisa Agropecuaria, CEP 70.000 - Brasilia DF. Received February 1980.


452432 TO 452433. Glycine max (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. D. W. Sunderman & R. K. Thompson, USDA, Aberdeen Branch Experiment Station & Plant Sciences Dept., University of Arizona, Aberdeen, ID & Mesa, AZ, USA. Received through The 1980 U. S. Plant Germplasm Team to People's Republic of China. Received September 1980.


452432 TO 452433-continued
Farm, Autonomous Region, NW of Urumqi, Xinjiang Province.
Originally from Manchuria. Cultivated. Seed.

452434 TO 452435. Beta vulgaris L. (Chenopodiaceae) Sugarbeet.
From China, Peoples Repub of. T. J. Orton, Department of
Vegetable Crops, University of California, Davis,
California, USA. Received through The 1980 U.S. Plant
Germplasm Team to People's Republic of China.
Received September 1980.

Crop Germplasm Res. Inst., Chin. Acad. of Ag. Sci.

Crop Germplasm Res. Inst., Chin. Acad. of Ag. Sci.

452436. Fragaria virginiana Duch. (Rosaceae) Virginia strawberry.
From United States. G. A. White, USDA, Plant Introduction Office,
Germplasm Resources Laboratory, Beltsville, MD.
Received February 1981.

Collected June 22, 1980. L. Thompson farm, E end
extended. Mouth of Monocacy Rd., Montgomery Co., MD.
Population large and diverse. Fruit size large to small.
Wild. Seed.

452437 TO 452445. Medicago sativa L. (Fabaceae) Alfalfa.
From United States. W. R. Kehr, USDA, University of Nebraska,
Lincoln, Nebraska. Received through 1980 Domestic-
Canada Medicago Germplasm Collection.
Received November 1980.

452437. KB-1. Collected July 23, 1980. West 3.2km, north 3.2km
of Pawnee City, Pawnee County, Nebraska. 363M. Lat. 40
deg. 10' W, long. 96 deg. 10' W. Donated by B. Jackson
and H. Thiemann. Thin stand on grazed knoll, 20-30 years
old. Cultivated. Seed.

452438. KB-2. Collected July 23, 1980. South 3.2km, west 1.6km
of Auburn, Nemaha County, Nebraska. 303M. Lat. 40
deg. 20' W, long. 95 deg. 50' W. Donated by E. Schlange.
Originally from Germany about 1880. Seed from 15 year old

452439. KB-3. Collected July 23, 1980. South, 4km of Sterling,
452437 TO 452445-continued


452446 TO 452449. Agropyron trachycaulum (Link) Malte ex H. F. Lewis (Poaceae) Slender wheatgrass.

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection. Received September 1980.


452446 to 452449-continued

300H. Lat. 59 deg. 30' W, long. 117 deg. W. Wild. Seed.


452450. Astragalus americanus (Hook.) M. E. Jones (Fabaceae) Milkvetch.

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection. Received September 1980.


452451. Astragalus cicer L. (Fabaceae) Cicer milkvetch.

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection. Received September 1980.


452452. Astragalus flexuosus (Hook.) G. Don (Fabaceae) Flexile milkvetch.

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection. Received September 1980.

452453. Caragana arborescens Lam. (Fabaceae) Siberian pea-tree.

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection. Received September 1980.


452454. Elymus canadensis L. (Poaceae) Canada wildrye.

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection. Received September 1980.


452455. Elymus innovatus Beal (Poaceae).

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection. Received September 1980.


452456. Hedysarum alpinum L. (Fabaceae).

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection. Received September 1980.


452457. Linum lewisii Pursh (Linaceae).

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980
452457-continued

Domestic - Canada Medicago Germplasm Collection.
Received September 1980.


452458. Lotus corniculatus L. (Fabaceae) Birdsfoot trefoil.

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection.
Received September 1980.


452459. Medicago lupulina L. (Fabaceae) Black medic.

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection.
Received September 1980.


452460. Medicago sativa subsp. falcata (L.) Arc. (Fabaceae).

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection.
Received September 1980.


452461 TO 452483. Medicago sativa L. (Fabaceae) Alfalfa.

From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection.


452479. R-41. Collected August 25, 1980. G. Simkin farm, SW 1/4,
452461 TO 452483-continued


452484. Melilotus officinalis Lam. (Fabaceae) Yellow sweetclover.
From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection. Received September 1980.

452485. Trifolium aureum Poll. (Fabaceae) Hop clover.
From Canada. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada Medicago Germplasm Collection. Received September 1980.

From Canada. H. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada *Medicago* Germplasm Collection. Received September 1980.


452487. *Linum lewisii* Pursh (Linaceae).

From United States. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada *Medicago* Germplasm Collection. Received September 1980.


452488. *Lupinus sericeus* Pursh (Fabaceae).

From United States. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada *Medicago* Germplasm Collection. Received September 1980.


From United States. M. D. Rumbaugh, USDA Crops Research Laboratory, Utah State University, Logan, Utah. Received through 1980 Domestic - Canada *Medicago* Germplasm Collection. Received September 1980.


452490. R-2. Collected August 02, 1980. P. Sutton farm, 5.6km
452489 TO 452498—continued


452499 TO 452501. Medicago sativa L. (Fabaceae) Alfalfa.


452502 TO 457915. Sorghum bicolor (L.) Moench (Poaceae) Sorghum.


452502 to 457915—continued

Seed.


452502 TO 457915—continued


452609. ETS 2065. CIMMYT. G3-60. Cultivated. Seed.


452502 TO 457915-continued

Seed.


452692. ETS 2110. CIMMYT. G3-103-1. Endosperm yellow. Cultivated.
452502 TO 457915—continued
Seed.


452502 TO 457915-continued


Seed.


452502 TO 457915—continued

Seed.

Seed.

Seed.

Seed.


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Seed.
452502 TO 457915—continued


452502 TO 457915—continued

Seed.


452502 TO 457915-continued

452502 TO 457915—continued

452502 TO 457915—continued


452502 TO 457915-continued


452502 TO 457915—continued

Seed.

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Seed.
452502 TO 457915—continued


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<th>CIMMYT.</th>
<th>Type</th>
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452502 TO 457915—continued


452502 TO 457915—continued

452502 TO 457915-continued
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452502 TO 457915—continued

Seed.


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<td>ETS 2579</td>
<td>CIMMYT G3-569-1</td>
<td>Seeds red. Cultivated. Seed.</td>
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<td>453631</td>
<td>ETS 2580</td>
<td>CIMMYT G3-570</td>
<td>Endosperm yellow. Cultivated. Seed.</td>
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<td>ETS 2582</td>
<td>CIMMYT G3-572-3</td>
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<td>CIMMYT G3-573-1</td>
<td>Seeds white. Cultivated. Seed.</td>
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Seed.
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Seed.
452502 TO 457915—continued
Seed.


452502 TO 457915—continued
Seed.

Seed.

Seed.

453717. **ETS 2622. CIMMYT. G3-609-4. Seeds white. Cultivated.**
Seed.

453718. **ETS 2623. CIMMYT. G3-610. Endosperm yellow. Cultivated.**
Seed.

453719. **ETS 2624. CIMMYT. G3-611-1. Seeds red. Cultivated.**
Seed.

453720. **ETS 2624. CIMMYT. G3-611-2. Seeds red. Cultivated.**
Seed.

Seed.

453722. **ETS 2625. CIMMYT. G3-612-1. Endosperm yellow. Cultivated.**
Seed.

453723. **ETS 2625. CIMMYT. G3-612-2. Endosperm yellow. Cultivated.**
Seed.

453724. **ETS 2626. CIMMYT. G3-613-1. Seeds bronze. Cultivated.**
Seed.

453725. **ETS 2626. CIMMYT. G3-613-2. Seeds bronze. Cultivated.**
Seed.

Seed.

453727. **ETS 2626. CIMMYT. G3-613-4. Seeds bronze. Cultivated.**
Seed.

453728. **ETS 2627. CIMMYT. G3-614-1. Seeds white. Cultivated.**
Seed.

Seed.

453730. **ETS 2628. CIMMYT. G3-615-1. Seeds red. Cultivated.**
Seed.

453731. **ETS 2628. CIMMYT. G3-615-2. Seeds red. Cultivated.**
Seed.

453732. **ETS 2629. CIMMYT. G3-616-1. Seeds red. Cultivated.**
Seed.

Seed.

Seed.


452502 TO 457915—continued

Seed.


452502 TO 457915—continued

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452502 TO 457915-continued

453991. ETS 2767. CIMMYT. G3-752-1. Endosperm yellow. Cultivated.
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452502 TO 457915-continued

Seed.


ETS 2824. CIMMYT. G3-805-1. Endosperm yellow. Cultivated.


452502 TO 457915—continued


Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

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452502 TO 457915—continued


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452502 TO 457915—continued


137
452502 TO 457915—continued
Seed.


452502 TO 457915—continued


454548. ETS 3112. CIMMYT. G3-1076-1. Endosperm yellow.
452502 TO 457915—continued
Cultivated. Seed.


452502 TO 457915—continued

Seed.


452502 TO 457915-continued


452502 TO 457915—continued

452502 TO 457915—continued

454773. ETS 3223. CIMMYT. G3-1184-2. Endosperm yellow.
       Cultivated. Seed.


       Seed.

       Seed.

454777. ETS 3226. CIMMYT. G3-1187-1. Endosperm yellow.
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454778. ETS 3226. CIMMYT. G3-1187-2. Endosperm yellow.
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       Cultivated. Seed.

       Cultivated. Seed.

454781. ETS 3227-B. CIMMYT. G3-1189-1. Endosperm yellow.
       Cultivated. Seed.

454782. ETS 3227-B. CIMMYT. G3-1189-2. Endosperm yellow.
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       Cultivated. Seed.

       Cultivated. Seed.

454786. ETS 3228-B. CIMMYT. G3-1191-1. Endosperm yellow.
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454787. ETS 3228-B. CIMMYT. G3-1191-2. Endosperm yellow.
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454788. ETS 3230. CIMMYT. G3-1193-1. Endosperm yellow.
       Cultivated. Seed.

454789. ETS 3230. CIMMYT. G3-1193-2. Endosperm yellow.
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454790. ETS 3232. CIMMYT. G3-1195-1. Endosperm yellow.
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452502 to 457915—continued

Seed.


452502 TO 457915—continued


454865. ETS 3271. CIMMYT. G3-1236. Cultivated. Seed.
452502 TO 457915—continued

452502 TO 457915—continued


454986. ETS 3336. CIMMYT. G3-1297-1. Endosperm yellow.


452502 TO 457915—continued


452502 TO 457915—continued

455083. ETS 3385. CIMMYT. G3-1345-3. Endosperm yellow.
452502 TO 457915—continued


          Seed.
          Seed.
          Seed.
455198. ETS 3444. CIMMYT. G3-1401-1. Endosperm yellow.
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          Seed.
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          Seed.
          Seed.


452502 TO 457915—continued
Seed.


452502 to 457915—continued


455308. ETS 3497. CIMMYT. G3-1456-1. Endosperm yellow.
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452502 TO 457915—continued

Seed.


455405. ETS 3553-B. CIMMYT. G3-1514-1. Endosperm yellow.
452502 TO 457915—continued

Cultivated. Seed.


452502 TO 457915—continued


452502 TO 457915—continued


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ETS 3800. CIMMYT. G3-1738-1. Endosperm yellow.
452502 TO 457915—continued

Cultivated. Seed.


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455900. ETS 3845. CIMMYT. G3-1782-1. Endosperm yellow.
452502 TO 457915-continued
Cultivated. Seed.

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Cultivated. Seed.


455905. ETS 3847. CIMMYT. G3-1784-1. Endosperm yellow.
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455918. ETS 3852. CIMMYT. G3-1789-2. Endosperm yellow.
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455937. ETS 3861. CIMMYT. G3-1798-2. Endosperm yellow.


452502 TO 457915-continued

Seed.


456008. ETS 3892. CIMMYT. G3-1829-1. Endosperm yellow.
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452502 TO 457915—continued

Seed.


452502 TO 457915—continued

452502 TO 457915—continued

Seed.


456118. ETS 3948. CIMMYT. G3-1882-2. Endosperm yellow.


452502 TO 457915—continued

456157. ETS 3968. CIMMYT. G3-1899-2. Endosperm yellow. 
Cultivated. Seed.

456158. ETS 3969. CIMMYT. G3-1900-1. Endosperm yellow. 
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456159. ETS 3969. CIMMYT. G3-1900-2. Endosperm yellow. 
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Seed.

Seed.

456166. ETS 3973. CIMMYT. G3-1904-1. Endosperm yellow. 
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456167. ETS 3973. CIMMYT. G3-1904-2. Endosperm yellow. 
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456170. ETS 3974. CIMMYT. G3-1905-2. Endosperm yellow. 
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456171. ETS 3975. CIMMYT. G3-1906-1. Endosperm yellow. 
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456172. ETS 3975. CIMMYT. G3-1906-2. Endosperm yellow. 
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Seed.


456193. ETS 3987. CIMMYT. G3-1917-3. Endosperm yellow.
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452502 TO 457915-continued

452502 TO 457915—continued


452502 TO 457915—continued


452502 TO 457915—continued

456345. ETS 4072. CIMMYT. G3-1996-1. Endosperm yellow.
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456347. ETS 4073. CIMMYT. G3-1997-1. Endosperm yellow.
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456348. ETS 4073. CIMMYT. G3-1997-2. Endosperm yellow.
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Seed.

Seed.

456357. ETS 4078. CIMMYT. G3-2002-1. Endosperm yellow.
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456358. ETS 4078. CIMMYT. G3-2002-2. Endosperm yellow.
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Cultivated. Seed.

452502 TO 457915—continued

Seed.


456369. ETS 4086. CIMMYT. G3-2009-1. Endosperm yellow.


456400. ETS 4107. CIMMYT. G3-2027-1. Endosperm yellow.
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452502 TO 457915—continued


452502 TO 457915—continued

Seed.


456653. ETS 4266. CIMMYT. G3-2163-1. Endosperm yellow.
452502 TO 457915—continued
Cultivated. Seed.


456672. ETS 4278. CIMMYT. G3-2173-2. Endosperm yellow.
452502 TO 457915-continued
Cultivated. Seed.

456673. ETS 4278. CIMMYT. G3-2173-3. Endosperm yellow. 
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456674. ETS 4279. CIMMYT. G3-2174-1. Endosperm yellow. 
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Seed.

Seed.

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456966. ETS 4426. CIMMYT. G3-2318-1. Endosperm yellow.
452502 TO 457915-continued
Cultivated. Seed.

456967. ETS 4426. CIMMYT. G3-2318-2. Endosperm yellow.
Cultivated. Seed.

456968. ETS 4426. CIMMYT. G3-2318-3. Endosperm yellow.
Cultivated. Seed.


Seed.


Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.


Seed.
457004. ETS 4450. CIMMYT. G3-2339-1. Endosperm yellow.
452502 TO 457915—continued
Cultivated. Seed.


452502 TO 457915-continued


457039. ETS 4468. CIMMYT. G3-2355-2. Endosperm yellow.
452502 TO 457915—continued
Cultivated. Seed.


457044. **ETS 4471. CIMMYT. G3-2358-1. Endosperm yellow. Cultivated. Seed.**


457047. **ETS 4472. CIMMYT. G3-2359-1. Seeds white. Cultivated. Seed.**


457050. **ETS 4473. CIMMYT. G3-2360-1. Seeds red. Cultivated. Seed.**


457081. ETS 4492. CIMMYT. G3-2376-1. Cultivated. Seed.
457082. ETS 4492. CIMMYT. G3-2376-2. Cultivated. Seed.
452502 TO 457915—continued

Seed.

       Seed.

       Seed.

       Seed.


457102. ETS 4505. CIMMYT. G3-2389-1. Endosperm yellow. 
       Cultivated. Seed.

457103. ETS 4505. CIMMYT. G3-2389-2. Endosperm yellow. 
       Cultivated. Seed.

457104. ETS 4506. CIMMYT. G3-2390-1. Endosperm yellow. 
       Cultivated. Seed.

457105. ETS 4506. CIMMYT. G3-2390-2. Endosperm yellow. 
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       Seed.

       Seed.

457108. ETS 4508. CIMMYT. G3-2392-1. Endosperm yellow. 
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457109. ETS 4508. CIMMYT. G3-2392-2. Endosperm yellow. 
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457110. ETS 4509. CIMMYT. G3-2393-1. Endosperm yellow. 
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457111. ETS 4509. CIMMYT. G3-2393-2. Endosperm yellow. 
       Cultivated. Seed.

       Seed.

       Seed.

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452502 TO 457915—continued


452502 TO 457915-continued

Seed.


452502 TO 457915—continued
   Seed.


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452502 TO 457915—continued

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        Seed.

        Seed.

        Seed.


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452502 TO 457915—continued

Seed.


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Cultivated. Seed.

457475. ETS 4689. CIMMYT. G3-2579-2. Endosperm yellow.
Cultivated. Seed.

Seed.

Seed.

Seed.

457479. ETS 4693. CIMMYT. G3-2583-1. Endosperm yellow.
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457480. ETS 4693. CIMMYT. G3-2583-2. Endosperm yellow.
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Cultivated. Seed.

Cultivated. Seed.

457485. ETS 4695-B. CIMMYT. G3-2586-1. Endosperm yellow.
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Cultivated. Seed.

Cultivated. Seed.

457488. ETS 4696. CIMMYT. G3-2587-1. Endosperm yellow.
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457602. ETS 4755. CIMMYT. G3-2652-2. Endosperm yellow.
452502 TO 457915-continued
Cultivated. Seed.


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457661. ETS 4793. CIMMYT. G3-2691-2. Endosperm yellow.
452502 TO 457915—continued
Cultivated. Seed.


452502 TO 457915-continued

457761. ETS 4853. CIMMYT. G3-2748-2. Endosperm yellow.
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Cultivated. Seed.

Cultivated. Seed.

Seed.


Seed.

Seed.

457769. ETS 4858. CIMMYT. G3-2755-1. Endosperm yellow.
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457770. ETS 4858. CIMMYT. G3-2755-2. Endosperm yellow.
Cultivated. Seed.


457775. ETS 4862. CIMMYT. G3-2759-1. Endosperm yellow.
Cultivated. Seed.

457776. ETS 4862. CIMMYT. G3-2759-2. Endosperm yellow.
Cultivated. Seed.


Seed.


452502 TO 457915—continued


457912. ETS 4939. CIMMYT. G3-2835-1. Endosperm yellow.
452502 TO 457915-continued
Cultivated. Seed.

457913. ETS 4939. CIMMYT. G3-2835-2. Endosperm yellow.
Cultivated. Seed.

Seed.

Seed.

457916. Citrullus lanatus (Thunb.) Matsum. & Nakai (Cucurbitaceae)
Watermelon.

Received October 1980.
Seed.

457917 TO 457920. Oryza sativa L. (Poaceae) Rice.

From Pakistan. M. A. Awan, Nuclear Institute for Agriculture &
Biology, Faisalabad. Received through cooperative project
PL-480-FG-Pa-287.
Received February 1981.


457921 TO 457962. Lupinus albus L. (Fabaceae) White lupine.

From France. Station D'Amelioration des Plantes Fourrageres,
Institute National de la Recherche Agronomique, Lusignan.
Received December 1980.


457963 TO 458012. Lupinus mutabilis Sweet (Fabaceae). From France. Station D'Amélioration des Plantes Fourrageres, Institute National de la Recherche Agronomique, Lusignan.


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<td>Peru. Cuzco. CTC 58</td>
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<td>458003</td>
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<td>LM 105</td>
<td>Peru. ANC 039</td>
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458013. *Ornithopus compressus* L. (Fabaceae).

From Tunisia. W. Graves, USAID, Tunis.
Received January 1981.

Breeding Material. Seed.

458014. *Ornithopus sativus* Brot. (Fabaceae) Serradella.

From Tunisia. W. Graves, USAID, Tunis.
Received January 1981.

Breeding Material. Seed.


From Tunisia. W. Graves, USAID, Tunis.
Received January 1981.


458016. *Hedysarum coronarium* L. (Fabaceae) French honeysuckle.

From Tunisia. H. D. Galt, USAID, Tunis.
Received January 1981.

Local name Sulla. Cultivated. Seed.

458017. *Vicia faba* L. (Fabaceae) Broadbean.

From Tunisia. H. D. Galt, USAID, Tunis.
Received January 1981.

Cultivated. Seed.

458018 to 458307. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From Korea, Republic of. Shin Han Kwon, Korea Atomic Energy Research Institute, Cheong Ryang, Seoul.
Received February 1981.

<table>
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<td>458036</td>
<td>KAERI-GHT 201-8-1. Hwacheon, Gangweon-Do Province.</td>
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458018 TO 458307-continued

Cultivated. Seed.


458018 TO 458307—continued

458054. KAERI-GNT 233-7. Sogcho, Gangweon-Do Province. 
Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

458057. KAERI-GNT 233-10. Sogcho, Gangweon-Do Province. 
Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

458064. KAERI-GNT 233-17. Sogcho, Gangweon-Do Province. 
Cultivated. Seed.

Cultivated. Seed.

458066. KAERI-GNT 234-5. Mugho, Gangweon-Do Province. 
Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

458071. KAERI-GNT 234-10. Mugho, Gangweon-Do Province.


458104. KAERI-GNT 244-1. Hosan, Gangweon-Do Province. Cultivated. Seed.


458106. KAERI-GNT 244-3. Hosan, Gangweon-Do Province.
458018 TO 458307—continued
Cultivated. Seed.

458107. KAERI-GNT 244-4. Hosan, Gangweon-Do Province.
Cultivated. Seed.

458108. KAERI-GNT 244-5. Hosan, Gangweon-Do Province.
Cultivated. Seed.

458109. KAERI-GNT 244-6. Hosan, Gangweon-Do Province.
Cultivated. Seed.

458110. KAERI-GNT 301-4. Gongju, Chungcheong-Nam-Do Province.
Cultivated. Seed.

458111. KAERI-GNT 301-5. Gongju, Chungcheong-Nam-Do Province.
Cultivated. Seed.

458112. KAERI-GNT 301-6. Gongju, Chungcheong-Nam-Do Province.
Cultivated. Seed.

458113. KAERI-GNT 301-7. Gongju, Chungcheong-Nam-Do Province.
Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

458116. KAERI-GNT 301-10. Gongju, Chungcheong-Nam-Do Province.
Cultivated. Seed.

Cultivated. Seed.

458118. KAERI-GNT 301-12. Gongju, Chungcheong-Nam-Do Province.
Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

458123. KAERI-GNT 330-4. Cheonan, Chungcheong-Nam-Do Province.
Cultivated. Seed.
458018 TO 458307—continued

458018 TO 458307-continued
Cultivated. Seed.


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<td>458160</td>
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458018 TO 458307—continued
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Cultivated. Seed.

Cultivated. Seed.

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Cultivated. Seed.

Cultivated. Seed.

458184. KAERI-GNT 540-27. Suncheon, Jeora-Nam-Do Province.
Cultivated. Seed.

Cultivated. Seed.

458186. KAERI-GNT 540-29. Suncheon, Jeora-Nam-Do Province.
Cultivated. Seed.

458187. KAERI-GNT 540-30. Suncheon, Jeora-Nam-Do Province.
Cultivated. Seed.

458188. KAERI-GNT 544-25. Gwangju, Jeora-Nam Do Province.
Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

458192. KAERI-GNT 544-29. Gwangju, Jeora-Nam Do Province.
Cultivated. Seed.

Cultivated. Seed.


458211. KAERI-GNT 573-2. Youngsanpo, Jeora-Nam-Do Province.
458018 TO 458307—continued
Cultivated. Seed.


458229. KAERI-GNT 574-9. Wando, Jeora-Nam-Do Province. 
Cultivated. Seed.

458230. KAERI-GNT 574-10. Wando, Jeora-Nam-Do Province. 
Cultivated. Seed.

458231. KAERI-GNT 574-11. Wando, Jeora-Nam-Do Province. 
Cultivated. Seed.

458232. KAERI-GNT 574-12. Wando, Jeora-Nam-Do Province. 
Cultivated. Seed.

Cultivated. Seed.

458234. KAERI-GNT 576-5. Haenam, Jeora-Nam-Do Province. 
Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

458238. KAERI-GNT 577-1. Yongam, Jeora-Nam-Do Province. 
Cultivated. Seed.

458239. KAERI-GNT 577-2. Yongam, Jeora-Nam-Do Province. 
Cultivated. Seed.

Cultivated. Seed.

458241. KAERI-GNT 577-4. Yongam, Jeora-Nam-Do Province. 
Cultivated. Seed.

458242. KAERI-GNT 577-5. Yongam, Jeora-Nam-Do Province. 
Cultivated. Seed.

458243. KAERI-GNT 577-6. Yongam, Jeora-Nam-Do Province. 
Cultivated. Seed.

458244. KAERI-GNT 577-7. Yongam, Jeora-Nam-Do Province. 
Cultivated. Seed.

458245. KAERI-GNT 577-8. Yongam, Jeora-Nam-Do Province. 
Cultivated. Seed.

458018 TO 458307—continued
Cultivated. Seed.

458247. KAERI-GNT 577-10. Yongam, Jeora-Nam-Do Province.
Cultivated. Seed.

Cultivated. Seed.

458249. KAERI-GNT 577-12. Yongam, Jeora-Nam-Do Province.
Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

458253. KAERI-GNT 577-16. Yongam, Jeora-Nam-Do Province.
Cultivated. Seed.

458254. KAERI-GNT 577-17. Yongam, Jeora-Nam-Do Province.
Cultivated. Seed.

Cultivated. Seed.

458256. KAERI-GNT 578-1. Gangjin, Jeora-Nam-Do Province.
Cultivated. Seed.

458257. KAERI-GNT 578-2. Gangjin, Jeora-Nam-Do Province.
Cultivated. Seed.

Cultivated. Seed.

458259. KAERI-GNT 578-4. Gangjin, Jeora-Nam-Do Province.
Cultivated. Seed.

458260. KAERI-GNT 578-5. Gangjin, Jeora-Nam-Do Province.
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458018 TO 458307—continued
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Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

458289. KAERI-GNT 607-1. Changyeang, Gyeongsang-Nam-Do Province.
Cultivated. Seed.

458290. KAERI-GNT 607-2. Changyeang, Gyeongsang-Nam-Do Province.
Cultivated. Seed.

458291. KAERI-GNT 608-1. Samnangjin, Gyeongsang-Nam-Do Province.
Cultivated. Seed.

458292. KAERI-GNT 608-2. Samnangjin, Gyeongsang-Nam-Do Province.
Cultivated. Seed.

458293. KAERI-GNT 608-3. Samnangjin, Gyeongsang-Nam-Do Province.
Cultivated. Seed.

458294. KAERI-GNT 608-4. Samnangjin, Gyeongsang-Nam-Do Province.
Cultivated. Seed.

458295. KAERI-GNT 608-5. Samnangjin, Gyeongsang-Nam-Do Province.
Cultivated. Seed.

458296. KAERI-GNT 608-6. Samnangjin, Gyeongsang-Nam-Do Province.
Cultivated. Seed.

458297. KAERI-GNT 608-7. Samnangjin, Gyeongsang-Nam-Do Province.
Cultivated. Seed.

458298. KAERI-GNT 608-8. Samnangjin, Gyeongsang-Nam-Do Province.
Cultivated. Seed.
458018 TO 458307—continued


458308 TO 458316. Solanum chacoense Bitter (Solanaceae).


458317 TO 458319. Solanum commersonii Dunal ex Poir. (Solanaceae).

Received January 1981.


458320 TO 458326. Solanum infundibuliforme Phil. (Solanaceae).

Received January 1981.
458320 TO 458326-continued


458327 TO 458333. Solanum kurtzianum Bitter & Wittm. ex Engl. (Solanaceae).

Received January 1981.


458327 TO 458333-continued
Seed.


458334 TO 458338. Solanum leptophyes Bitter (Solanaceae).

Received January 1981.


458334 TO 458338-continued
Catamarca: 1920M. Received as S. spagazzinii. Wild. Seed.

458339 TO 458345. Solanum leptophyes f. gourlayi (Hawkes) Corr. (Solanaceae).


458346 TO 458352. Solanum megistac rolobum Bitter (Solanaceae).

458346 TO 458352—continued


458353 TO 458358. Solanum microdontum Bitt. (Solanaceae).


Received January 1981.


458353 TO 458358—continued
Santa Cruz, Oran, Salta. 3000M. Wild. Seed.


458359 TO 458363. Solanum oplocense Hawkes (Solanaceae).

Received January 1981.


458364 TO 458366. Solanum tarijense Hawkes (Solanaceae).

Received January 1981.


458365. Hof 1902. Argentina. INTA Estacion Experimental de
458364 TO 458366-continued

Quebrada de la Soledad, Santa Victoria, Salta. 2250M.
Wild. Seed.

458366. Hof 1886. Argentina. INTA Estacion Experimental de
Trail on way to Meson, Santa Victoria, Salta. 2200M. Wild.
Seed.

458367 TO 458368. Solanum venturii Hawkes & Hjerting (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental
Regional Agropecuaria, Instituto Nacional de Tecnologia
Agropecuaria, 7620-Balcarce.
Received January 1981.

458367. Oka 4908. Argentina. INTA Estacion Experimental de
Nacional route 59, 50.6km, Chicoana, Salta. 2700M. Wild.
Seed.

458368. Oka 5645. Argentina. INTA Estacion Experimental de
Balcarce, Balcarce. BAL 74282. Collected April 08, 1974.
Cuesta del Obispo, Chicoana, Salta. 2740M. Wild. Seed.

458369 TO 458374. Solanum vernei Bitt. & Wittm. ex Engl. (Solanaceae).

From Argentina. K. A. Okada and W. Hoffman, Estacion Experimental
Regional Agropecuaria, Instituto Nacional de Tecnologia
Agropecuaria, 7620-Balcarce.
Received January 1981.

458369. Oka 4368. Argentina. INTA Estacion Experimental de
Huairahuasi, Tilcara, Jujuy. 3200M. Wild. Seed.

458370. Oka 4475. Argentina. INTA Estacion Experimental de
Cueva, Oran, Salta. 3600M. Wild. Seed.

458371. Oka 4476. Argentina. INTA Estacion Experimental de
Cueva, Oran, Salta. 3600M. Wild. Seed.

458372. Oka 4477. Argentina. INTA Estacion Experimental de
Cueva, Oran, Salta. 3100M. Wild. Seed.

458373. Oka 5700. Argentina. INTA Estacion Experimental de
Route 307, 83km, Tafi, Tucuman. 2900M. Wild. Seed.

458375. Solanum canasense Hawkes (Solanaceae).
From United Kingdom. J. G. Hawkes, Department of Plant Biology, The University of Birmingham, Birmingham B15 2TT. Received January 1981.


458378. Solanum leptophyes Bitter (Solanaceae).
From United Kingdom. J. G. Hawkes, Department of Plant Biology, The University of Birmingham, Birmingham B15 2TT. Received January 1981.


From United Kingdom. J. G. Hawkes, Department of Plant Biology, The University of Birmingham, Birmingham B15 2TT. Received January 1981.

458380. Solanum marinasense Vargas (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, The University of Birmingham, Birmingham B15 2TT. Received January 1981.


458381. Solanum pampasense Hawkes (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, The University of Birmingham, Birmingham B15 2TT. Received January 1981.


458382 TO 458384. Solanum raphanifolium Cardenas & Hawkes (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, The University of Birmingham, Birmingham B15 2TT. Received January 1981.


458385 TO 458388. Solanum sparsipilum (Bitt.) Juz-6 Buk. (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, The University of Birmingham, Birmingham B15 2TT. Received January 1981.

458385 to 458388-continued


458389 to 458392. Solanum sparsipilum var. llallaguanianum (Card. & Hawkes) Corr. (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, The University of Birmingham, Birmingham B15 2TT.
Received January 1981.


458393. Solanum stenotomum Juz. & Buk. (Solanaceae).

From United Kingdom. J. G. Hawkes, Department of Plant Biology, The University of Birmingham, Birmingham B15 2TT.
Received January 1981.

458393-continued
Zavaleta farm, near Caquiaviri, La Paz, Paejas. 3950M.
Collected by J. G. Hawkes, J. P. Hjerting, P. J. Cribb,
and Z. Huaman. Accession also referred to as Zavaleta 384.
Cultivated. Seed.

458394 TO 458395. Solanum tarijense Hawkes (Solanaceae).
From United Kingdom. J. G. Hawkes, Department of Plant Biology,
The University of Birmingham, Birmingham B15 2TT.
Received January 1981.

458394. HHCH 4569. Bolivia. Collected March 06, 1971. Roadside,
29.5km from Sucre toward Potosi, Chuquisaca, H. Giles.
2800M. Collected by J. G. Hawkes, J. P. Hjerting, P. J.
Cribb, and Z. Huaman. Wild. Seed.

41km from Tarija toward Entre Brios, Tarija, Cercado.
2325M. Collected by J. G. Hawkes, J. P. Hjerting, P. J.
Cribb, and Z. Huaman. Wild. Seed.

458396 TO 458397. Solanum toralapanum Cardenas & Hawkes (Solanaceae).
From United Kingdom. J. G. Hawkes, Department of Plant Biology,
The University of Birmingham, Birmingham B15 2TT.
Received January 1981.

458396. HHCH 4556. Bolivia. Collected March 05, 1971. Roadside,
29km from Sucre toward Ravelo, Chuquisaca, Oropeza. 3300M.
Collected by J. G. Hawkes, J. P. Hjerting, P. J. Cribb,

458397. HHCH 4695. Bolivia. Collected March 14, 1971. Roadside,
32km from Tarija toward Iscayachi, Tarija, Mendez. 3000M.
Collected by J. G. Hawkes, J. P. Hjerting, P. J. Cribb,

458398 TO 458399. Solanum leptophyes Bitter (Solanaceae).
From Germany, Federal Rep of. Hans Ross, Max-Planck-Institut fur
Zuchtungsforschung, 5 Koln-Vogelsang.
Received January 1981.

458398. EBS 2080. Argentina. Received as Solanum spagazzinii.
Wild. Seed.

458399. EBS 2387. Argentina. Received as Solanum spagazzinii.
Wild. Seed.
458400. Solanum huancabambense Ochoa (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima.
Received January 1981.


458401. Solanum immite Dunal (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima.
Received January 1981.


458402. Solanum medians Bitt. (Solanaceae).

From Peru. P. R. Rowe, International Potato Center, La Molina, Lima.
Received January 1981.


458403 TO 458404. Solanum abancayense Ochoa (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima.
Received January 1981.


458405. Solanum ambosinum Ochoa (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina, Lima.
Received January 1981.

Och s.n. Tayabamba, La Libertad Department. Wild. Seed.

458406 TO 458408. Solanum raphanifolium Cardenas & Hawkes (Solanaceae).

From Peru. C. M. Ochoa, International Potato Center, La Molina,
458406 TO 458408—continued

Lima.
Received January 1981.


458409 TO 458422. Solanum fendleri A. Gray (Solanaceae).

Received January 1981.


458423 TO 458428. Solanum jamesii Torr. (Solanaceae).


358
458429 TO 458430. Armoracea rusticana Gaertn., Hey., & Scherb. (Brassicaceae) Horseradish.

From Sweden. Norra Hallands Pepparrotsodare, 43400 Kungsbacka. Received March 1981.


458431 TO 458462. Oryza sativa L. (Poaceae) Rice.

From Turkey. Nazimi Acikgoz, Department of Agroecology and Plant Improvement, EGE University, Izmir. Received March 1981.

458443. TR 79801. IR 140. Cultivated. Seed.
458431 TO 458462-continued


458463 TO 458475. Oryza sativa L. (Poaceae) Rice.

From Nigeria. International Institute of Tropical Agriculture (IITA), Ibadan.
Received March 1981.

458463 TO 458475—continued


458476. Agropyron scabrum (Labill.) Beauv. (Poaceae).

Received April 1981.


458477 TO 458478. Oryza sativa L. (Poaceae) Rice.

From Thailand. Rice Division, Department of Agriculture, Bangkhen, Bangkok-9.
Received April 1981.


458479 TO 458489. Oryza sativa L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manilla.
Received April 1981.

458479. IET 4700. Cultivated. Seed.
458483. IET 6187. Cultivated. Seed.
458486. IR 50. Cultivated. Seed.
458479 TO 458489-continued


458490 TO 458491. Oryza sativa L. (Poaceae) Rice.

From Italy. Centro Di Ricerche Sul Riso, Ente Nazionale Risi, 27036 Mortara (PV).
Received April 1981.


458492 TO 458501. Oryza sativa L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manilla.
Received April 1981.

458498. IR 4570-83-3-3-2. Cultivated. Seed.


From Mexico. G. A. White, Germplasm Resources Laboratory, PGGI, USDA Agricultural Research Center, Beltsville, MD, USA.
Received March 1981.


From Mexico. G. A. White, Germplasm Resources Laboratory, PGGI, USDA Agricultural Research Center, Beltsville, MD, USA. Received March 1981.


458504. *Vicia faba* L. (Fabaceae) Broadbean.

From Mexico. G. A. White, Germplasm Resources Laboratory, PGGI, USDA Agricultural Research Center, Beltsville, MD, USA. Received March 1981.


458505 TO 458522. *Glycine max* (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. T. Hymowitz, Department of Agronomy, University of Illinois, Urbana, Illinois. Received February 1981.


458511. Kai Yu No. 3. China, Peoples Repub of. Tieling, Liaoning
458505 TO 458522-continued


From China, Peoples Repub of. T. Hymowitz, Department of
458523 TO 458541—continued
Agronomy, University of Illinois, Urbana, Illinois.
Received February 1981.

458523. Bumper Harvest No. 2. China, Peoples Repub of. Harbin,
Heilongjiang Province. Heilongjiang Agricultural Academy

458524. Bumper Harvest No. 10. China, Peoples Repub of. Harbin,
Heilongjiang Province. Heilongjiang Agricultural Academy

458525. Dong Nong No. 4. China, Peoples Repub of. Harbin,
Heilongjiang Province. Heilongjiang Agricultural Academy

458526. Hei Nong No. 3. China, Peoples Repub of. Harbin,
Heilongjiang Province. Heilongjiang Agricultural Academy

458527. Hei Nong No. 16. China, Peoples Repub of. Harbin,
Heilongjiang Province. Heilongjiang Agricultural Academy

Heilongjiang Province. Heilongjiang Agricultural Academy

458529. Hulan No. 1. China, Peoples Repub of. Harbin,
Heilongjiang Province. Heilongjiang Agricultural Academy

458530. Jing Shanpu. China, Peoples Repub of. Harbin,
Heilongjiang Province. Heilongjiang Agricultural Academy

Province. Heilongjiang Agricultural Academy of Sciences.

458532. Nuen Feng No. 7. China, Peoples Repub of. Harbin,
Heilongjiang Province. Heilongjiang Agricultural Academy

458533. Purple Flower No. 3. China, Peoples Repub of. Harbin,
Heilongjiang Province. Heilongjiang Agricultural Academy

Province. Heilongjiang Agricultural Academy of Sciences.
Cultivated. Seed.

Heilongjiang Agricultural Academy of Sciences. Bei An
458523 TO 458541—continued
County. Cultivated. Seed.


458541. China, Peoples Repub of. Field of 56-5191, Experimental
   Seed Farm, near Suihua, NE China. May be a partial male sterile. Cultivated. Seed.

458542 TO 458543. Oryza sativa L. (Poaceae) Rice.

From Australia. S. T. Tseng, California Cooperative, Rice Experiment Station, Rice Research Foundation, Inc.,
Biggs, California.
Received April 1981.


458544. Helianthus hybrid (Asteraceae).

From German Democratic Repub. J. Reckin, Experimental Garden,
Gorkistrasse 20.
Received April 1981.


458545. Arachis hypogaea L. (Fabaceae) Peanut.

From India. S. H. Patil, Biology and Agriculture Division, Bhadha Atomic Research Centre, Trombay, Bombay-85.
Received April 1981.


Received April 1981.

'Express Green'. Vegetable type. Cultivated. Seed.


From Czechoslovakia. Division of Genetics & Plant Breeding Methods, Department of Genetic Resources & Taxonomy, Praha-Ruzyné 507.
Received April 1981.


458550 to 458552. Cicer bijugum K. H. Rechinger (Fabaceae).

From India. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Andhra Pradesh 502324.
Received April 1981.


458551. JM-2103. Turkey. From Savur, 14km to Midiyat. Seed.

458552. JM-2113. Turkey. From Diyarbakir, 33km to Ergani. Seed.

458553. Cicer chorassanicum (Bunge) M. Pop. (Fabaceae).

From India. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Andhra Pradesh 502324.
458553-continued
Received April 1981.


458554. Cicer cuneatum Hochst. (Fabaceae).
From India. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Andhra Pradesh 502324.
Received April 1981.


458555 TO 458557. Cicer pinnatifidum Jaub. & Spach (Fabaceae).
From India. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Andhra Pradesh 502324.
Received April 1981.

458555. No. 188. Turkey. East, 5km of Gaziantep. Seed.
458556. No. 189. Turkey. East, 5km of Gaziantep. Seed.

458558 TO 458560. Cicer pinnatifidum var. judaicum M. Fop. (Fabaceae).
From India. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Andhra Pradesh 502324.
Received April 1981.

458558. Lebanon. Received as C. judaicum. Seed.
458560. No. 185. Israel. Gully, 10km east of Zinchon Yaakov. Received as C. judaicum. Seed.

458561 TO 458562. Phaseolus coccineus L. (Fabaceae) Scarlet runner bean.
From Netherlands. A. C. Zeven, Institute of Plant Breeding, Agricultural University, Wageningen.
Received March 1981.

458562. 3.49. Pronker (Steense boon). Netherlands. Oude Wetering.

**Phaseolus vulgaris L. (Fabaceae) Garden bean.**

From Netherlands. A. C. Zeven, Institute of Plant Breeding, Agricultural University, Wageningen. Received March 1981.

458563 TO 458598—continued


458599 TO 458602. Pisum sativum L. (Fabaceae) Garden pea.

From Finland. Hankkija Plant Breeding Institute, SF - 04 300 Hyryla.
Received April 1981.


458603 TO 458604. Vicia faba L. (Fabaceae) Broadbean.

From Finland. Hankkija Plant Breeding Institute, SF - 04 300 Hyryla.
Received April 1981.


458605 TO 458610. Brassica napus L. (Brassicaceae) Rutabaga.

From New Zealand. H. Smith, Crop Science Division, Lincoln
458605. 'Calder Swede'. New Zealand. Used for food and feed. Received as B. napus var. napobrassica. Cultivated. Seed.

458606. 'Crimson King Swede'. New Zealand. Used for food and feed. Received as B. napus var. napobrassica. Cultivated. Seed.

458607. 'Doon Major Swede'. New Zealand. Used for food and feed. Received as B. napus var. napobrassica. Cultivated. Seed.

458608. 'Doon Spartan Swede'. New Zealand. Used for food and feed. Received as B. napus var. napobrassica. Cultivated. Seed.

458609. 'Kiri Swede'. New Zealand. Used for food and feed. Received as B. napus var. napobrassica. Cultivated. Seed.

458610. 'Wilhelmsburger'. New Zealand. Used for food and feed. Received as B. napus var. napobrassica. Cultivated. Seed.


From United States. W. Weyen, Kendrick, Idaho. Received through Regional Plant Introduction Station, Pullman, Washington. Received April 1981.


458612. Brassica oleracea var. acephala DC. (Brassicaceae) Kale.

From New Zealand. H. Smith, Crop Science Division, Lincoln College. Received through R. A. Hamilton, Dept. of Horticulture, Univ. of Hawaii, Honolulu, Hawaii. Received May 1978.

'Marrow Stem'. New Zealand. Used for food and feed. Cultivated. Seed.

458613. Brassica rapa L. (Brassicaceae) Turnip.

From New Zealand. H. Smith, Crop Science Division, Lincoln College. Received through R. A. Hamilton, Dept. of Horticulture, Univ. of Hawaii, Honolulu, Hawaii.


458617. 'Purple resistant'. New Zealand. Used for food and feed. Cultivated. Seed.


458619. Arachis hypogaea L. (Fabaceae) Peanut.

Received April 1981.


458620. Campomanesia sp. (Myrtaceae).

From Brazil. R. J. Knight, USDA Subtropical Horticultural Research Unit, Miami, Florida.
Received February 1981.


458621. Cassia sp. (Fabaceae).

From Brazil. R. J. Knight, USDA Subtropical Horticultural Research Unit, Miami, FL.
Received February 1981.


From Brazil. R. J. Knight, USDA Subtropical Horticultural Research Unit, Miami, FL.
Received February 1981.


458623. Lycopersicon pimpinellifolium (L.) Mill. (Solanaceae) Currant tomato.

From Costa Rica. G. A. White, Germplasm Resources Laboratory, PGGI, USDA Agricultural Research Center, Beltsville, Maryland, USA. Received through L. Muller, CATIE, Turrialba, Costa Rica.
Received March 1981.


458624 to 458647. Setaria italica (L.) Beauv. (Poaceae) Foxtail millet.

From China, Peoples Repub of. H. Wu and C. Li, Heilongjiang Academy of Agricultural Science, Harbin. Received March 1981.


458648. *Sorghum bicolor* (L.) Moench (Poaceae) Sweet Sorghum.

From Germany, Federal Rep of. Bundesforschungsanstalt fur Landwirtschaft, Institut fur Pflanzenbau und Pflanzenzuchtung, Braunschweig-Volkenrode. Received March 1981.


From Surinam. P. R. Trail, Publication Department, New York State Agriculture Experiment Station, Geneva, New York, USA. Received May 1981.


From Surinam. P. R. Trail, Publication Department, New York State Agriculture Experiment Station, Geneva, New York, USA. Received May 1981.


458652 TO 458659. *Cucurbita andreana* Naud. (Cucurbitaceae).

From Argentina. T. W. Whitaker, Collaborator, Imperial Valley Conservation Research Center, USDA, SEA-AR, Brawley, California. Received January 1981.


458660 TO 458720. Cucurbita maxima Duch. (Cucurbitaceae) Winter squash.

From Argentina. T. W. Whitaker, Collaborator, Imperial Valley Conservation Research Center, USDA, SEA-AR, Brawley, California. Received January 1981.

458660 to 458720—continued
Cultivated. Seed.


458680. **TWW-50.** Argentina. Chacras de Coria, Mendoza Province.
Instituto de Horticultura. Collected October 31, 1980.

458681. **TWW-51.** Argentina. Chacras de Coria, Mendoza Province.
Instituto de Horticultura. Collected October 31, 1980.

458682. **TWW-52.** Argentina. Chacras de Coria, Mendoza Province.
Instituto de Horticultura. Collected October 31, 1980.

458683. **TWW-53.** Argentina. Chacras de Coria, Mendoza Province.
Instituto de Horticultura. Collected October 31, 1980.

458684. **TWW-54.** Argentina. Chacras de Coria, Mendoza Province.
Instituto de Horticultura. Collected October 31, 1980.

458685. **TWW-55.** Argentina. Chacras de Coria, Mendoza Province.
Instituto de Horticultura. Collected October 31, 1980.

458686. **TWW-56.** Argentina. Chacras de Coria, Mendoza Province.
Instituto de Horticultura. Collected October 31, 1980.

458687. **TWW-57.** Argentina. Chacras de Coria, Mendoza Province.
Instituto de Horticultura. Collected October 31, 1980.

Instituto de Horticultura. Collected October 31, 1980.

458689. **TWW-59.** Argentina. Chacras de Coria, Mendoza Province.
Instituto de Horticultura. Collected October 31, 1980.

458690. **TWW-60.** Argentina. Chacras de Coria, Mendoza Province.
Instituto de Horticultura. Collected October 31, 1980.
458660 TO 458720—continued


458699. TWW-69. Argentina. La Consulta, Mendoza Province. INTA, Station Experimental. Collected October 29, 1980. Seeds white, medium-sized, margins present. Local name Campana-


458660 to 458720—continued


458660 TO 458720—continued
darker. Cultivated. Seed.

Laboratory, Catedra de Bot. Agr. VAV 3879. Collected
medium to large, creamy white, margins darker. Cultivated.
Seed.

Laboratory, Catedra de Bot. Agr. VAV 3880. Collected
medium-sized, dirty white, margins darker. Cultivated.
Seed.

458721 TO 458727. Cucurbita mixta Pang. (Cucurbitaceae).

From Argentina. T. W. Whitaker, Collaborator, Imperial Valley
Conservation Research Center, USDA, SEA-AR, Brawley,
California.
Received January 1981.

458721. TWW-37. Argentina. Mendoza Province. Instituto de
Horticultura, Chacras de Coria. Collected October 31,
name Soberbio. Cultivated. Seed.

458722. TWW-38. Argentina. Mendoza Province. Instituto de
Horticultura, Chacras de Coria. Collected October 31,
name Taboy. Cultivated. Seed.

Horticultura, Chacras de Coria. Collected October 31,
name Taboy. Cultivated. Seed.

458724. TWW-40. Argentina. Mendoza Province. Instituto de
Horticultura, Chacras de Coria. Collected October 31,
name Soberbio. Cultivated. Seed.

458725. TWW-41. Argentina. Mendoza Province. Instituto de
Horticultura, Chacras de Coria. Collected October 30,
name Chirimayo. Cultivated. Seed.

458726. TWW-42. Argentina. Mendoza Province. Instituto de
Horticultura, Chacras de Coria. Collected October 31,
name Chirimayo. Cultivated. Seed.

458721 TO 458727—continued
Laboratory, Catedra de Bot. Agr. VAV 3866. Collected
medium-sized, creamy white, sculptured, margins darker.
Cultivated. Seed.

458728 TO 458729. Cucurbita moschata (Duch.) Duch. ex Foir.
(Cucurbitaceae) Squash.
From Argentina. T. W. Whitaker, Collaborator, Imperial Valley
Conservation Research Center, USDA, SEA-AR, Brawley,
California.
Received January 1981.

458728. TW-73. Argentina. Mendoza Province. INTA, Station
Seeds small, dirty white, margins lighter. Local name
Zapallito anguito (Butternut). Cultivated. Seed.

Laboratory, Catedra de Bot. Agr. VAV 3838. Collected
medium-sized, creamy white, margins darker, frayed.
Cultivated. Seed.

458730 TO 458734. Cucurbita pepo L. (Cucurbitaceae).
From Argentina. T. W. Whitaker, Collaborator, Imperial Valley
Conservation Research Center, USDA, SEA-AR, Brawley,
California.
Received January 1981.

458730. TW-74. Argentina. Mendoza Province. INTA, Station
Seeds medium-sized, dirty white, margins same color.
Local name Zapallito Italiano (Tupungato magnif.).
Cultivated. Seed.

Laboratory, Catedra de Bot. Agr. VAV 3738. Collected
large, creamy white, margins darker. Cultivated. Seed.

Laboratory, Catedra de Bot. Agr. VAV 3815. Collected
medium-sized, creamy white, margins slightly darker.
Cultivated. Seed.

Laboratory, Catedra de Bot. Agr. VAV 3819. Collected
458730 TO 458734—continued
medium-sized, creamy white, margins same color.
Cultivated. Seed.

Laboratory, Catedra de Bot. Agr. VAV 3822. Collected
rather plump. Seeds creamy white, margins slightly darker.
Cultivated. Seed.

458735. Cyclanthera pedata (L.) Schrad. (Cucurbitaceae).
From Argentina. T. W. Whitaker, Collaborator, Imperial Valley
Conservation Research Center, USDA, SEA-AR, Brawley,
California.
Received January 1981.

TWW-75. Argentina. Buenos Aires. N.I. Vavilov
Laboratory, Catedra de Bot. Agr. Collected October 29,
Camara-Hernandez. Seeds black, ridged, resembles small
mud turtle. Local name Achoa. Wild. Seed.

458736. Lagenaria siceraria (Hoi.) Standl. (Cucurbitaceae) Bottle
gourd.
From Argentina. T. W. Whitaker, Collaborator, Imperial Valley
Conservation Research Center, USDA, SEA-AR, Brawley,
California.
Received January 1981.

Laboratory, Catedra de Bot. Agr. VAV 5951. Collected
medium-sized, dark, almost black, plump, block type.
Cultivated. Seed.

458737. Sicana odorifera (Vell.) Naud. (Cucurbitaceae) Cassabanana.
From Argentina. T. W. Whitaker, Collaborator, Imperial Valley
Conservation Research Center, USDA, SEA-AR, Brawley,
California.
Received January 1981.

from Department Capital, Province of Corrientes. Seeds
from dried fruit in herbarium, may not be viable. Wild.
Seed.
458738 TO 458739. Citrullus lanatus (Thunb.) Matsum. & Nakai (Cucurbitaceae) Watermelon.

From Paraguay. T. W. Whitaker, Collaborator, Imperial Valley Conservation Research Center, USDA, SEA-AR, Brawley, California, USA. Received through Pastor Arenas, Santa Rosa Mission, CEFAPBIN, Chaco Paraguayo, Paraguay. Received May 1981.


458740 TO 458743. Cucurbita maxima Duch. (Cucurbitaceae) Winter squash.

From Paraguay. T. W. Whitaker, Collaborator, Imperial Valley Conservation Research Center, USDA, SEA-AR, Brawley, California, USA. Received through Pastor Arenas, Santa Rosa Mission, CEFAPBIN, Chaco Paraguayo, Paraguay. Received May 1981.


458744. Cucurbita ficifolia Bouche (Cucurbitaceae) Figleaf gourd.

From Guatemala. F. Mazariagos, Central American Research Institute for Industry, Guatemala City. Received through R.J. Knight, USDA Subtropical Horticulture Research Unit,
458744-continued

Miami, Florida.
Received May 1981.

Guatemala. USDA Subtropical Horticulture Res. Unit,
6.8kg. Local name Chilacayote. Cultivated. Seed.

458745 TO 458747. Cucurbita moschata (Duch.) Duch. ex Poir.
(Cucurbitaceae) Squash.

From Guatemala. F. Mazariégos, Central American Research
Institute for Industry, Guatemala City. Received through
R.J. Knight, USDA Subtropical Horticulture Research Unit,
Miami, Florida.
Received May 1981.

458745. Guatemala. USDA Subtropical Horticulture Res. Unit,
Fruit 2.8kg, long. Received as Cucurbita sp. Local name

458746. Guatemala. USDA Subtropical Horticulture Res. Unit,
Miami, FL. M-27172. Collected March 1981. La Tinta, Alta
Verapaz. Fruit 2.6kg, whitish, shaped like acorn squash.
Received as Cucurbita sp. Local name Ayote. Cultivated.
Seed.

458747. Guatemala. USDA Subtropical Horticulture Res. Unit,
Received as Cucurbita sp. Local name Ayote verde.
Cultivated. Seed.

458748 TO 458750. Cucurbita sp. (Cucurbitaceae).

From Guatemala. F. Mazariégos, Central American Research
Institute for Industry, Guatemala City. Received through
R.J. Knight, USDA Subtropical Horticulture Research Unit,
Miami, Florida.
Received May 1981.

458748. Guatemala. USDA Subtropical Horticulture Res. Unit,
0.7kg, yellow, small-ribbed, shaped like acorn squash.
Local name Guicoy amarillo chiguito. Cultivated. Seed.

458749. Guatemala. USDA Subtropical Horticulture Res. Unit,
Miami, FL. M-27168. Collected March 1981. Tamahu, Alta
Verapaz. Fruit 3.4kg, white, pear-shaped like butternut
squash. Flesh yellow. Local names Ayotillo rojo and Ayote
grande de la tinta. Cultivated. Seed.
458748 TO 458750—continued


458751. Dahlia sp. (Asteraceae).

From Guatemala. F. Mazariegos, Central American Research Institute for Industry, Guatemala City. Received through R.J. Knight, USDA Subtropical Horticulture Research Unit, Miami, Florida. Received May 1981.


458752. Luffa aegyptiaca Mill. (Cucurbitaceae) Vegetable sponge.

From Guatemala. F. Mazariegos, Central American Research Institute for Industry, Guatemala City. Received through R.J. Knight, USDA Subtropical Horticulture Research Unit, Miami, Florida. Received May 1981.


458753. Momordica charantia L. (Cucurbitaceae) Balsam pear.

From Guatemala. F. Mazariegos, Central American Research Institute for Industry, Guatemala City. Received through R.J. Knight, USDA, Subtropical Horticulture Research Unit, Miami, Florida. Received May 1981.


458754. Sicana odorifera (Vell.) Naud. (Cucurbitaceae) Cassabanana.

From Guatemala. F. Mazariegos, Central American Research
458754-continued
Institute for Industry, Guatemala City. Received through
R.J. Knight, USDA Subtropical Horticulture Research Unit,
Miami, Florida.
Received May 1981.

Guatemala. USDA Subtropical Horticulture Res. Unit,
long, greenish. Seeds flat, 2.5cm long, 1.3cm wide, dark
brown with a band around edge, tan, hairy within border.
Received as Cucurbita sp. Cultivated. Seed.

From France. INRA, Centre de Recherches Agronomiques de
Montpellier, Station d'Amelioration des Plantes, 34060
Montpellier Cedex.
Received April 1981.

458756. Aeschynomene indica L. (Fabaceae).
From China, Peoples Repub of. Yang Yunsheng, Jiangsu Academy of
Agricultural Science, Nanjing, Jiangsu Province.
Received May 1981.

458757. Astragalus sinicus L. (Fabaceae).
From China, Peoples Repub of. Yang Yunsheng, Jiangsu Academy of
Agricultural Science, Nanjing, Jiangsu Province.
Received May 1981.

From China, Peoples Repub of. Yang Yunsheng, Jiangsu Academy of
Agricultural Science, Nanjing, Jiangsu Province.
Received May 1981.
China, Peoples Repub of. Jiangsu Province. Received as
Medicago hispida. Wild. Seed.

458759. Sesbania cannabina (Retz.) Poir. (Fabaceae).
From China, Peoples Repub of. Yang Yunsheng, Jiangsu Academy of
458759—continued
Agricultural Science, Nanjing, Jiangsu Province.
Received May 1981.


458760. Vicia villosa Roth (Fabaceae) Hairy vetch.

From China, Peoples Repub of. Yang Yunsheng, Jiangsu Academy of Agricultural Science, Nanjing, Jiangsu Province.
Received May 1981.


458761. Oryza sativa L. (Poaceae) Rice.

From Italy. Centro Di Ricerche Sul Riso, Ente Nazionale Risi, 27036 Mortara (PV).
Received April 1981.

Vialone. Italy. Cultivated. Seed.

458762 TO 458763. Oryza sativa L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manila.
Received April 1981.


Received April 1981.


458765 TO 458776. Oryza sativa L. (Poaceae) Rice.

From Japan. Division of Genetics, National Institute of Agricultural Sciences, Kannondai, Tsukuba, 305.
Received May 1981.


458765 TO 458776—continued


458777 TO 458783. Avena hybrid (Poaceae).

From United Kingdom. H. Thomas, Welsh Plant Breeding Station, University of Wales, Aberystwyth, Wales. Received through M.E. Sorrells, Dept. of Plant Breeding & Biometry, Cornell Univ., Ithaca, NY. Received May 1981.

458781. United Kingdom. A. eriantha x A. sativa. Plants octaploid, amphiploid. Received as A. pilosa x A. sativa. Cultivated. Seed.

*From* United Kingdom. H. Thomas, Welsh Plant Breeding Station, University of Wales, Aberystwyth, Wales. Received through M.E. Sorrells, Dept. of Plant Breeding & Biometry, Cornell Univ., Ithaca, NY. Received May 1981.


458785 TO 458820. *Avena sativa* L. (Poaceae) Common oat.

*From* Canada. A. Comeau, Research Station, Agriculture Canada, Saint-Foy, Quebec G1V 2J3. Code numbers refer to Crosses made by J.-P. Dubuc, Saint-Foy, Quebec. Received March 1981.


From Philippines. International Rice Research Institute, Manila.
Received April 1981.


458822 TO 458823. Oryza sativa L. (Poaceae) Rice.

From Brazil. Unidade de Execução de Pesquisa de Ambito Estadual
Pelotas, Empresa Brasileira Pesquisa Agropecuaria,
Pelotas.
Received April 1981.

Seed.

Seed.

458824 TO 458829. Glycine max (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub of. R. C. Leffel, USDA, SEA, Oilseed
Crops Production, Beltsville, MD, USA.
Received February 1981.

Seed.

Seed.

Seed.


Seed.

458830 TO 458844. Coffea arabica L. (Rubiaceae) Coffee.

From Brazil. G. M. Chaves, Setor de Fitopatologia, Universidade
458830 TO 458844—continued
Federal de Vicosa, Minas Gerais.
Received May 1981.

458830. UFV 961. Brazil. (349-09) - Sarchimor - F3. Resistant to
coffee rust (Hemileia vastatrix). Sarchimor = Villa
Breeding Material. Seed.

458831. UFV 981. Brazil. (350-56) - Sarchimor - F3. Resistant to
coffee rust (Hemileia vastatrix). Sarchimor = Villa
Breeding Material. Seed.

458832. UFV 1002. Brazil. (351-33) - Sarchimor x Catura amarelo -
F2. Resistant to coffee rust (Hemileia vastatrix).
Sarchimor = Villa Sarchi x Hibrido de Timor. Perennial

458833. UFV 1965. Brazil. (450-63) - Hibrido de Timor. Resistant
to coffee rust (Hemileia vastatrix). Perennial Woody.

458834. UFV 2339. Brazil. (1350-AII.EERP) - Catimor - F5.
Resistant to coffee rust (Hemileia vastatrix). Catimor =
Caturra vermelho x Hibrido de Timor. Perennial Woody.

458835. UFV 2843. Brazil. (1359-26EPCUPV) - Catimor - F5.
Resistant to coffee rust (Hemileia vastatrix). Catimor =
Caturra vermelho x Hibrido de Timor. Perennial Woody.

Resistant to coffee rust (Hemileia vastatrix). Cavimor =
Breeding Material. Seed.

458837. UFV 3495. Brazil. (1088-121T2UFV) - Cavimor - F3.
Resistant to coffee rust (Hemileia vastatrix). Cavimor =
Breeding Material. Seed.

458838. UFV 3524. Brazil. (1088-163T2UFV) - Cavimor - F3.
Resistant to coffee rust (Hemileia vastatrix). Cavimor =
Breeding Material. Seed.

Resistant to coffee rust (Hemileia vastatrix). Cavimor =
Breeding Material. Seed.


458845 TO 458856. Cucumis sativus L. (Cucurbitaceae) Cucumber.

From Soviet Union. D. E. Marshall, USDA, Agricultural Engineering Department, Michigan State University, East Lansing, Michigan, USA. Received through I. Baker, Dept. of Horticulture, Michigan State University. Received May 1981.


458857 TO 458860. Daucus carota subsp. sativus (Hoffm.) Arcang. (Apiaceae) Carrot.

From Soviet Union. D. E. Marshall, USDA, Agricultural Engineering Department, Michigan State University, East Lansing, Michigan, USA. Received through L. Baker, Dept. of
458857 TO 458860-continued
Horticulture, Michigan State University.
Received May 1981.


458861 TO 458868. Oryza sativa L. (Poaceae) Rice.
From Philippines. International Rice Research Institute, Manila.
Received June 1981.

458863. BPI 76. Seed source 79 IURON. Cultivated. Seed.
458865. IR 4422-90-3-6. Seed source 78 IRSHBN. Cultivated. Seed.

From Iran. Regional Pulse Improvement Project, Agency for
458869-continued
International Development & U.S. Dept. of Agriculture,
Tehran. Received through W. J. Kaiser, Regional Plant
Introduction Station, Pullman, WA.
Received February 1981.


From United States. Burpee Seed Company, Riverside, California.
Received through W. J. Kaiser, Regional Plant
Introduction Station, Pullman, WA. Code numbers refer to
seed catalog designations.
Received February 1981.

Flowers white. Seeds large, cream colored. Cultivated.
Breeding Material. Seed.

458871 TO 458872. Cicer arietinum L. (Fabaceae) Chickpea.

From United States. V. E. Wilson, Washington State University,
Pullman, Washington. Received through W. J. Kaiser,
Regional Plant Introduction Station, Pullman, WA.
Received February 1981.

compound. Flowers white. Seeds light cream colored. Known
as PCL (pinnately compound leaf). Cultivated. Breeding
Material. Seed.

semierect. Leaves simple. Seeds large, light cream
colored. Known as UFL (unifoliar leaf). Cultivated.
Breeding Material. Seed.

458873 TO 458874. Phaseolus acutifolius A. Gray (Fabaceae) Tepary bean.

From Kenya. Muguga Plant Quarantine Station, Muguga. Received
through W. J. Kaiser, Regional Plant Introduction
Station, Pullman, WA.
Received February 1981.

458873. EAI 3734. United States. Beltsville, Maryland. J. M.
Schalk, USDA Agric. Research Center. Plants viny. Seeds

458875 TO 458876. Phaseolus vulgaris L. (Fabaceae) Garden bean.

From Kenya. Muguga Plant Quarantine Station, Muguga. Received through W. J. Kaiser, Regional Plant Introduction Station, Pullman, WA. Received February 1981.


458877 TO 458913. Oryza sativa L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manila. Received June 1981.


458914 TO 458915. Raphanus sativus L. (Brassicaceae) Radish.

From South Africa. Nooitgedacht Research Station, South African Dept. of Agriculture & Fisheries, Ermelo 2350.
Received June 1981.


From Argentina. J. A. Rodriguez, Anguil Experiment Station, Instituto Nacional de Tecnologia Agropecuaria, La Pampa.
Received through W. R. Kehr, USDA, AR, University of Nebraska, Lincoln, NE.
Received June 1981.


458917. Bauhinia esculenta Burchell (Fabaceae) Marama bean.

From Botswana. R. E. Murry, Jr., Anthropology Program, Texas A & M University, College Station, Texas, USA.
Received June 1981.

Botswana. Cornfield near Ghanzi. Collected by Bernard Clauss. Received as Tylosema esculentum.
458918 to 458925. Brassica napus L. (Brassicaceae) Rape.

From France. R. Noury, CODISOL, 75008 Paris, France-1. Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.


458926. Brassica napus L. (Brassicaceae) Rape.

From Canada. B. R. Stefansson, Plant Science Department, University of Manitoba, Winnipeg, Manitoba. Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.


458927 to 458929. Brassica juncea (L.) Czern. & Coss. (Brassicaceae) Indian mustard.

From Canada. R. K. Downey, Research Station, Agriculture Canada, Saskatoon, Saskatchewan S7M0X2. Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.

458927. Blaze (25-11). Canada. University of California, Davis,
458927 TO 458929—continued

Cultivated. Seed.

458929. Leth 22A. Canada. University of California, Davis, CA.

458930. Brassica napus L. (Brassicaceae) Rape.

From Canada. R. K. Downey, Research Station, Agriculture Canada,
Saskatoon, Saskatchewan S7N0X2. Received through P.F. Knowles,
Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA.
Received June 1979.

Cultivated. Seed.

458931 TO 458933. Brassica campestris L. (Brassicaceae) Bird rape.

Received through P.F. Knowles, Dept. of Agron. & Range
Sci., Univ. of Calif., Davis, CA.
Received June 1979.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

458934. Brassica juncea (L.) Czern. & Coss. (Brassicaceae) Indian
mustard.

Received through P.F. Knowles, Dept. of Agron. & Range
Sci., Univ. of Calif., Davis, CA.
Received June 1979.

Stalingrad. Sweden. University of California, Davis, CA.

458935 TO 458937. Brassica napus L. (Brassicaceae) Rape.

458935 to 458937—continued
Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA.
Received June 1979.


458938. Sinapis alba L. (Brassicaceae) White mustard.

Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA.
Received June 1979.


458939 to 458941. Brassica napus L. (Brassicaceae) Rape.

From Japan. T. Shiga, Division of Genetics, National Institute of Agricultural Sciences, Hiratsuka 254. Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA.
Received June 1979.


458942 to 458943. Brassica juncea (L.) Czern. & Coss. (Brassicaceae) Indian mustard.

From Germany, Federal Rep of. Lindensmidt, Institut fur Pflanzenbau-und Zuchtung, Justus Liebig-Universitat, Giessen 1. Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA.
Received June 1979.

458942. Aurea. Germany, Federal Rep of. University of
458942 TO 458943-continued


458944 TO 458959. Brassica napus L. (Brassicaceae) Rape.

From Germany, Federal Rep of. Lindensmidt, Institut fur Pflanzenbau-und Zuchtung, Justus Liebig-Universitat, Giessen 1. Received through P.F. Knowles, Dept. of Agron. 
& Range Sci., Univ. of Calif., Davis, CA.
Received June 1979.


458960 TO 458963. Sinapis alba L. (Brassicaceae) White mustard.

From Germany, Federal Rep of. Lindensmidt, Institut fur Pflanzenbau-und Zuchtung, Justus Liebig-Universitat, Giessen 1. Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.


458964 TO 458965. Brassica napus L. (Brassicaceae) Rape.

From New Zealand. J. Lammerink, Crops Research Division, DSIRC, Christchurch. Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.


458966 TO 458971. Brassica napus L. (Brassicaceae) Rape.

From France. G. Darrozes, Ringot, France-2. Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.


458972 TO 458977. Brassica campestris L. (Brassicaceae) Bird rape.

From United States. W. Calhoun, Crop Science Department, Oregon State University, Portland, Oregon. Received through E.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.


From United States. W. Calhoun, Crop Science Department, Oregon State University, Portland, Oregon. Received through E.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif.,

458979 TO 458980. Brassica napus L. (Brassicaceae) Rape.

From United States. W. Calhoun, Crop Science Department, Oregon State University, Portland, Oregon. Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.


458981. Brassica nigra (L.) Koch (Brassicaceae) Black mustard.

From United States. W. E. Bendixen, Farm Advisor, Santa Barbara County, California. Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.

University of California, Davis, CA. 77-1428. Cultivated. Seed.

458982 TO 458991. Brassica campestris L. (Brassicaceae) Bird rape.

From United States. R. Kleiman, USDA Northern Regional Research Center, Peoria, Illinois. Received through P.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.


458986. NU 60352. India. University of California, Davis, CA. 77-
458982 TO 458991-continued

458987. NU 60353. India. University of California, Davis, CA. 77-
1396. Cultivated. Seed.

458988. NU 60473. India. University of California, Davis, CA. 77-

458989. NU 60832. India. University of California, Davis, CA. 77-

458990. NU 60851. India. University of California, Davis, CA. 77-

458991. NU 60859. India. University of California, Davis, CA. 77-

458992 TO 459010. Brassica juncea (L.) Czern. & Coss. (Brassicaceae)
Indian mustard.

From United States. R. Kleiman, USDA Northern Regional Research
Center, Peoria, Illinois. Received through P. F. Knowles,
Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA.
Received June 1979.

458992. NU 48092. India. University of California, Davis, CA. 77-

458993. NU 48164. India. University of California, Davis, CA. 77-

458994. NU 49315. India. University of California, Davis, CA. 77-

458995. NU 49892. India. University of California, Davis, CA. 77-
1347. Cultivated. Seed.

458996. NU 49878. India. University of California, Davis, CA. 77-

458997. NU 49926. India. University of California, Davis, CA. 77-

458998. NU 49927. India. University of California, Davis, CA. 77-

458999. NU 49933. India. University of California, Davis, CA. 77-
1341. Cultivated. Seed.

459000. NU 49949. India. University of California, Davis, CA. 77-
1333. Cultivated. Seed.
458992 TO 459010—continued


459011 TO 459014. Brassica nigra (L.) Koch (Brassicaceae) Black mustard.

From United States. R. Kleiman, USDA Northern Regional Research Center, Peoria, Illinois. Received through F.F. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.


459015 TO 459023. Brassica trilocularis Hook. f. & Thoms. (Brassicaceae).

From United States. R. Kleiman, USDA Northern Regional Research Center, Peoria, Illinois. Received through P. P. Knowles, Dept. of Agron. & Range Sci., Univ. of Calif., Davis, CA. Received June 1979.


459024 TO 459025. Glycine max (L.) Merr. (Fabaceae) Soybean.

From China, Peoples Repub. of. Tse-Lin Yu, Institute of Cil Crops, Chinese Academy of Agricultural Science, Wu-Han, Hupeh Province. Received June 1981.


459026 TO 459069. Oryza sativa L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manila.
459029. BB 7 (IR 2053-87-3-1). Philippines. Cultivated. Seed.


From Brazil. G. M. Chaves, Setor de Fitopatologia, Universidade Federal de Vicosa, Minas Gerais.
Received May 1981.


From United States. R. K. Knight, USDA Subtropical Horticultural Research Unit, Miami, Florida.
459071-continued
Received May 1981.


459072 TO 459073. Glycine max (L.) Merr. (Fabaceae) Soybean.

From Thailand. American Soybean Association, St. Louis, Missouri, USA.
Received June 1981.


459074 TO 459075. Citrullus lanatus (Thunb.) Matsum. & Nakai (Cucurbitaceae) Watermelon.

Received April 1981.


459076 TO 459084. Zea mays L. (Poaceae) Field corn.

From China, Peoples Repub of. Y. Ting, Department of Biology, Boston College, Boston, Massachusetts, USA. Received through G. F. Sprague, Agronomy Department, Univ. of Illinois, Urbana.
Received May 1981.


459085 TO 459100. Arachis hypogaea L. (Fabaceae) Peanut.

From Japan. Y. Takahashi, Laboratory of the Groundnut, Chiba-ken Agricultural Experiment Station, Yachimata, Inba-gun, Chiba-ken. Received June 1981.


459101. Arachis sp. (Fabaceae).

From Japan. Y. Takahashi, Laboratory of The Groundnut, Chiba-ken Agricultural Experiment Station, Yachimata, Inba-gun, Chiba-ken.
Received June 1981.

Japan. Received as Arachis duranensis (not a validly published name). Cultivated. Seed.

459102. Pyrus calleryana Decne. (Rosaceae) Callery pear.

Received June 1981.

B 59505. 'Capital'. United States. Selected in 1969 at U. S. Plant Introduction Station, Glenn Dale, Maryland from a seedling population derived from open pollinated fruit of 'Bradford'. Trees with narrow or columnar upright crowns. Suitable for shade in small yards and along narrow streets. Other characteristics similar to 'Bradford'. Tree. Cultivar. Plants.

459103 TO 459104. Hedysarum coronarium L. (Fabaceae) French honeysuckle.

From Tunisia. W. Graves, Irrigated Forages Project, USAID, Tunis.
Received June 1981.


459105. Trifolium alexandrinum L. (Fabaceae) Berseem clover.

From Tunisia. W. Graves, Irrigated Forages Project, USAID, Tunis.
Received June 1981.

Tunisia. Cultivated. Seed.
459106. Nicotiana sp. (Solanaceae).

From Japan. Iwata Tobacco Experiment Station, The Japan Tobacco Public Corporation, Iwata, Shizuoka-ken. 
Received June 1981.

Bolivia. Received as Nicotiana kawakamii (not a validly published name). Seed.

459107. Cajanus cajan (L.) Huth (Fabaceae) Pigeon pea.

Received July 1981.


459108 TO 459109. Leucaena leucocephala (Lam.) de Wit (Fabaceae) Leadtree.

Received July 1981.


Received July 1981.


From New Zealand. A. A. Innes, Black Forest Station, Fairlie. 
Received through J. G. Hawley, Water & Soil Organization, Palmerston North, New Zealand. 
Received July 1981.

459112 TO 459115. Medicago minima (L.) Bartal. (Fabaceae) Little burclover.

From Syria. International Center for Agricultural Research in Dry Areas (ICARDA), Aleppo.
Received May 1981.

Woodland and forest margin, 13 km N of Bingol-Lice. 1140 M.
Wild. Seed.

Roadside, 9 km NW of Elazig-Keban. 850 M. Wild. Seed.

Roadside, 38 km SW of Malatya-Arapkir-Kaban. 570 M. Wild.
Seed.

Protected, enclosed site, 2 km N of Golbasi. 1100 M. Wild.
Seed.

459116 TO 459121. Medicago noeana Boiss. (Fabaceae).

From Syria. International Center for Agricultural Research in Dry Areas (ICARDA), Aleppo.
Received May 1981.

Roadside, 4 km S of Hani-Bingol. 940 M. Slope 16-30%. Wild.
Seed.

Grassland, 10 km E of Kurtalan. 870 M. Wild. Seed.

Roadside, 45 km NW of Aksaray. 1000 M. Wild. Seed.

South, 37 km of Kahramanmaras. 650 M. Wild. Seed.

Grassland, 4 km E of Malabadi. 700 M. Wild. Seed.

Roadside, 10 km NW of Batman. 650 M. Wild. Seed.

459122 TO 459126. Medicago orbicularis (L.) Bartal. (Fabaceae)
Buttonclover medic.

From Syria. International Center for Agricultural Research in Dry Areas (ICARDA), Aleppo.

422
459122 TO 459126—continued
Received May 1981.


459127 TO 459137. Medicago polymorpha L. (Fabaceae) California burclover.

From Syria. International Center for Agricultural Research in Dry Areas (ICARDA), Aleppo.
Received May 1981.


459136. IFMA 1842. Turkey. CT SA140678 0109. Collected 1978.
459127 TO 459137—continued
Roadside, 8km E of Adiyaman. 600M. Wild. Seed.

Roadside, 32km E of Kahta. 480M. Slope 16-30%. Wild. Seed.

459138 TO 459146. Medicago radiata L. (Fabaceae).

From Syria. International Center for Agricultural Research in Dry
Areas (ICARDA), Aleppo.
Received May 1981.

Roadside, 4km S of Hani-Bingol. 940M. Slope 16-30%. Wild. Seed.

459139. IFMA 1718. Turkey. CT AU230678 0501. Collected 1978.
Grassland, 10km E of Kurtalan. 870M. Wild. Seed.

Roadside, 6km NW of Keban. 780M. Slope 16-30%. Wild. Seed.

Grassland, 12km S of Golbasi. 1150M. Wild. Seed.

Roadside, 48km NW of Mardin. 800M. Wild. Seed.

Roadside, 33km NW of Mardin. 1100M. Wild. Seed.

Grassland, 2km S of Mardin. 750M. Wild. Seed.

Protected, enclosed site, 15km W of Hazar Lake. 1280M.
Slope 16-30%. Wild. Seed.

Roadside, 8km E of Adiyaman. 600M. Wild. Seed.

459147 TO 459198. Medicago rigidula (L.) All. (Fabaceae) Tifton
burclover.

From Syria. International Center for Agricultural Research in Dry
Areas (ICARDA), Aleppo.
Received May 1981.

459147. IFMA 1691. Turkey. CT AU220678 0102. Collected 1978.
Roadside, 3km N of Diarbakir. Wild. Seed.

459147 TO 459198-continued

Roadside, 20km N of Diarbakir. 800M. Wild. Seed.


459147 TO 459198—continued


459147 TO 459198—continued
Roadside, 33km NW of Mardin. 1100M. Wild. Seed.


459147 TO 459198-continued


459199 TO 459236. Medicago sp. (Fabaceae).

From Syria. International Center for Agricultural Research in Dry Areas (ICARDA), Aleppo. Received May 1981.


Grassland, 34km NW of Diarbakir. 780M. Wild. Seed.


459237 to 459238. Oryza sativa L. (Poaceae) Upland rice.

From Philippines. International Rice Research Institute, Manila. Received June 1981.


459239 to 461391. Oryza sativa L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manila. Received June 1981.


459241. IRRI 305. MAMIL 76. Cultivated. Seed.

459242. IRRI 8039. MANAN/TINAWON. Cultivated. Seed.

459243. IRRI 6674. MANDLA. Cultivated. Seed.
459244. IRRI 9463. MARAGAYA. Cultivated. Seed.
459245. IRRI 8352. MARICHBATI. Cultivated. Seed.
459246. IRRI 9451. MATAO BRANCO. Cultivated. Seed.
459247. IRRI 9499. MATAO LISO. Cultivated. Seed.
459249. IRRI 4845. Matsu Huang Chien TAO. Cultivated. Seed.
459251. IRRI 9250. MAUNI. Cultivated. Seed.
459253. IRRI 125. MEAN DON TSI. Cultivated. Seed.
459254. IRRI 8974. MENIKWEE. Cultivated. Seed.
459255. IRRI 5340. MERURUN. Cultivated. Seed.
459259. IRRI 9469. MIGA. Cultivated. Seed.
459261. IRRI 4870. MING HUO TSAO TAO. Cultivated. Seed.
459263. IRRI 617. MODBOD NGA ITOM. Cultivated. Seed.
459264. IRRI 7289. MONGOL TAO. Cultivated. Seed.
459265. IRRI 4180. MONTJA TJAMPA. Cultivated. Seed.
459266. IRRI 594. MORADO A. Cultivated. Seed.
459267. IRRI 7720. MOROGALLAWE. Cultivated. Seed.
459273. IRRI 6663. MUDGO. Cultivated. Seed.
459274. IRRI 5347. MUDJAIL. Cultivated. Seed.
459275. IRRI 849. MUEY NAWNG 68 M. Cultivated. Seed.
459276. IRRI 8906. MUTHUSAMBA. Cultivated. Seed.
459293. IRRI 8245. MACAN BINUNDOK. Cultivated. Seed.
459294. IRRI 8269. NABESHI. Cultivated. Seed.
459239 TO 461391—continued

459296. IRRI 579. MAGPUNIT. Cultivated. Seed.
459297. IRRI 9743. NAHDAA. Cultivated. Seed.
459298. IRRI 9738. NAKI. Cultivated. Seed.
459299. IRRI 9317. NANO DE ALCANTARA. Cultivated. Seed.
459302. IRRI 554. NANO X SOLLANA. Cultivated. Seed.
459303. IRRI 9039. NAPAPPAKU. Cultivated. Seed.
459308. IRRI 6675. NERMAR. Cultivated. Seed.
459309. IRRI 7294. NEU MAO TAO. Cultivated. Seed.
459310. IRRI 6710. NEW GUINEA. Cultivated. Seed.
459311. IRRI 8253. NGATSIN. Cultivated. Seed.
459313. IRRI 9672. NIAMOUWE. Cultivated. Seed.
459314. IRRI 965. WISHIKI 90. Cultivated. Seed.
459315. IRRI 5565. NO IKU 1694. Cultivated. Seed.
459316. IRRI 4988. NO IKU 1716. Cultivated. Seed.
459317. IRRI 5560. NO IKU 1716. Cultivated. Seed.
459318. IRRI 5716. NO IKU 1764. Cultivated. Seed.
459321. IRRI 8934. NORUNKAN. Cultivated. Seed.
459239 TO 461391—continued

459322. IRRI 6676. NOVANE. Cultivated. Seed.
459323. IRRI 9445. NOVELI 15-1 P. Cultivated. Seed.
459324. IRRI 9436. NUNGLIN 65A. Cultivated. Seed.
459327. IRRI 5302. OBA. Cultivated. Seed.
459329. IRRI 8042. OGWA/PINIDWA. Cultivated. Seed.
459330. IRRI 8122. OGWA/TINAWON/QUQNAH. Cultivated. Seed.
459331. IRRI 8257. OIRAN. Cultivated. Seed.
459332. IRRI 6630. OLOLOM. Cultivated. Seed.
459336. IRRI 452. OWU 188. Cultivated. Seed.
459338. IRRI 5387. OSAKA NAKATE ASAHI. Cultivated. Seed.
459339. IRRI 9485. OSHIKARI SHIROQUE. Cultivated. Seed.
459340. IRRI 4809. OS WIED. Cultivated. Seed.
459341. IRRI 7415. OTA. Cultivated. Seed.
459342. IRRI 8945. OTTAVAL. Cultivated. Seed.
459343. IRRI 9044. PAC ANG. Cultivated. Seed.
459344. IRRI 8188. PACHEHAI PERUMAL. Cultivated. Seed.
459345. IRRI 5307. MAGATAMA. Cultivated. Seed.
459346. IRRI 8261. PADI KASALLE. Cultivated. Seed.
459347. IRRI 8267. PAGAIYAHAN. Cultivated. Seed.
459348. IRRI 7318. PAIAURA. Cultivated. Seed.
459349. IRRI 1223. PAI MAI. Cultivated. Seed.
459351. IRRI 8045. PALEY/PEY DULEW. Cultivated. Seed.
459352. IRRI 8033. PALEY/PEY DUMALIN. Cultivated. Seed.
459353. IRRI 8118. PALEY/PEY LUMARO. Cultivated. Seed.
459354. IRRI 9212. PALEY/PEY LUMERO. Cultivated. Seed.
459355. IRRI 8125. PALEY/PEY PAGIRAN. Cultivated. Seed.
459356. IRRI 8957. MUTHUMANIKAM. Cultivated. Seed.
459358. IRRI 9707. NEAKE T H. Cultivated. Seed.
459360. IRRI 9284. PALLAGI 73. Cultivated. Seed.
459361. IRRI 4208. PALAR. Cultivated. Seed.
459363. IRRI 7353. PAL TAL 45. Cultivated. Seed.
459364. IRRI 6679. PANIO. Cultivated. Seed.
459366. IRRI 8268. PAPPAKU. Cultivated. Seed.
459367. IRRI 8098. PARAY BAGUNSILAN. Cultivated. Seed.
459368. IRRI 8058. PARAY BARUSINAY. Cultivated. Seed.
459369. IRRI 8074. PARAY BATUKAN. Cultivated. Seed.
459370. IRRI 8099. PARAY BIHUD. Cultivated. Seed.
459371. IRRI 8072. PARAY BINAGINBIN. Cultivated. Seed.
459372. IRRI 8097. PARAY BINAGUNCH. Cultivated. Seed.
459373. IRRI 8081. PARAY BINIBIQ. Cultivated. Seed.
459374. IRRI 8070. PARAY BUKANKAN. Cultivated. Seed.
459375. IRRI 8090. PARAY BUNTUT QUSAH. Cultivated. Seed.
459376. IRRI 8071. PARAY HAMUTAN MARABAQ. Cultivated. Seed.
459377. IRRI 8065. PARAY KABANAY. Cultivated. Seed.
459378. IRRI 8084. PARAY KABUNUQ. Cultivated. Seed.
459379. IRRI 8053. PARAY KADAFUG. Cultivated. Seed.
459380. IRRI 8152. PARAY KAMURUS. Cultivated. Seed.
459381. IRRI 8079. PARAY KASAKAW. Cultivated. Seed.
459382. IRRI 8091. PARAY KINANDAH. Cultivated. Seed.
459383. IRRI 8073. PARAY KINTA HINAMQAN. Cultivated. Seed.
459384. IRRI 8066. PARAY KINUTUQ. Cultivated. Seed.
459385. IRRI 8063. PARAY KUBURUN. Cultivated. Seed.
459386. IRRI 8151. PARAY KURALIS. Cultivated. Seed.
459387. IRRI 8075. PARAY LUBAN. Cultivated. Seed.
459388. IRRI 8093. PARAY LUPAW. Cultivated. Seed.
459389. IRRI 8061. PARAY PILIT MALAGTIQ. Cultivated. Seed.
459390. IRRI 8158. PARAY PINUNUH. Cultivated. Seed.
459391. IRRI 8059. PARAY QIKUG KABAYUH. Cultivated. Seed.
459392. IRRI 8078. PARAY QINADAY. Cultivated. Seed.
459393. IRRI 8109. PARAY QINWAY. Cultivated. Seed.
459394. IRRI 8086. PARAY QUDLUT. Cultivated. Seed.
459395. IRRI 8076. PARAY TARABID. Cultivated. Seed.
459396. IRRI 9295. PATACA. Cultivated. Seed.
459397. IRRI 8197. SHAI KUB. Cultivated. Seed.
459398. IRRI 6860. PATNA. Cultivated. Seed.
459399. IRRI 6681. PATNI LOCAL. Cultivated. Seed.
459403. IRRI 9528. PATBO. Cultivated. Seed.
459408. IRRI 8238. PEH KUH. Cultivated. Seed.
459409. IRRI 8237. PEH KUH TSAO TU. Cultivated. Seed.
459411. IRRI 8005. YUBAE. Cultivated. Seed.
459413. IRRI 6938. PENN B GOPHER BOLD. Cultivated. Seed.
459414. IRRI 573. PERURUTONG B. Cultivated. Seed.
459415. IRRI 762. PERWRUTONG NB B. Cultivated. Seed.
459417. IRRI 8355. TUPA BORO. Cultivated. Seed.
459420. IRRI 5305. YAMADA HO. Cultivated. Seed.
459424. IRRI 8023. POLOY/TINAWON. Cultivated. Seed.
459425. IRRI 9783. PONLAI GEN. Cultivated. Seed.
IRRI 8026. POTPOTOY/TINAWON. Cultivated. Seed.
IRRI 8124. P/PEY PENEWAN. Cultivated. Seed.
IRRI 8123. P/PEY QANAKQAGTAQ. Cultivated. Seed.
IRRI 6462. PRATAO. Cultivated. Seed.
IRRI 9447. PRATAO ORLANDIA. Cultivated. Seed.
IRRI 5253. ZIONGZO. Cultivated. Seed.
IRRI 8013. P ROSSI. Cultivated. Seed.
IRRI 6948. PR 482. Cultivated. Seed.
IRRI 6716. 3-MONTH VARIETY. Cultivated. Seed.
IRRI 8046. P TINGAGEW DAYKET QAY DAYON. Cultivated. Seed.
IRRI 8028. P TIN QN QIPUGON HAYUQABA. Cultivated. Seed.
IRRI 8108. P TINYAGEW DAYKET LIKWET. Cultivated. Seed.
IRRI 9210. P TINYAGEW DAYKET LAWILAWAN. Cultivated. Seed.
IRRI 8167. P TUPEN QUDQAS PARNIT. Cultivated. Seed.
IRRI 6420. 14 SON. Cultivated. Seed.
IRRI 7550. PUC UZBEKSKIJ 2. Cultivated. Seed.
IRRI 9532. PUEBLA LARGA. Cultivated. Seed.
IRRI 8346. PUKHI. Cultivated. Seed.
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459502. IRRI 574. SAMPAY BAKOD. Cultivated. Seed.
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459505. IRRI 9737. SASAHONAMI. Cultivated. Seed.
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IRRI 9051. U KUH. Cultivated. Seed.
IRRI 9231. URANG URANGAN. Cultivated. Seed.
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IRRI 7843. UVAR VELLAI. Cultivated. Seed.
IRRI 7423. VARY TARVA OSLA. Cultivated. Seed.
IRRI 6322. VELALAI ILLANKALAYAN 28061. Cultivated. Seed.
IRRI 8956. VELAILANGAYAN. Cultivated. Seed.
IRRI 9467. VERCELLI. Cultivated. Seed.
IRRI 7805. VI 28061. Cultivated. Seed.
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459974. IRRI 70. CHINSURAH 3. Cultivated. Seed.
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459993. IRRI 5108. COPANG GADANI. Cultivated. Seed.
459997. IRRI 807. CRUZ. Cultivated. Seed.
459239 to 461391—continued

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459239 TO 461391—continued

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459239 TO 461391—continued

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460281. IRRI 9054. JC 82. Cultivated. Seed.
459239 TO 461391-continued

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459239 TO 461391—continued

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459239 TO 461391—continued

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460459. IRRI 7898. MANIFINGO. Cultivated. Seed.
460460. IRRI 5218. MARABITUIN. Cultivated. Seed.
460461. IRRI 4197. MARAJA. Cultivated. Seed.
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460542. IRRI 7053. NANG KEO CHA. Cultivated. Seed.
460543. IRRI 7088. NANG KEO DC. Cultivated. Seed.
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IRRI 10782. 80/3/1/5/5. Cultivated. Seed.
IRRI 10811. DOSEL. Cultivated. Seed.
IRRI 10812. GOMA. Cultivated. Seed.
IRRI 10816. 294/4/1/10/1/5. Cultivated. Seed.
IRRI 10817. 295/8/1/5/2. Cultivated. Seed.
IRRI 10820. 295/9/2/6/5. Cultivated. Seed.
IRRI 10833. OREJANO. Cultivated. Seed.
IRRI 10834. PANOJA. Cultivated. Seed.
IRRI 10835. H 17 PRECOZ. Cultivated. Seed.
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</table>
461392. Neomotonia verdcourtii Isely (Fabaceae).

From United States. R. G. Palmer, USDA, Department of Botany and Plant Pathology, Iowa State University, Ames, Iowa. Code numbers refer to Peter collection, Kew, England. Received May 1981.


461393 to 461402. Allium fistulosum L. (Amaryllidaceae) Bunching onion.

From Japan. Vegetable and Ornamental Crops Research Station, Tsu-City, Mie-Ken 514-01. Received July 1981.


From Brazil. Centro Nacional de Recursos Geneticos, Empresa Brasileira de Pesquisa Agropecuaria, CEP 70000-Brasilia DF.
Received July 1981.


461404. Ricinus communis L. (Euphorbiaceae) Castor bean.

From Brazil. Centro Nacional de Recursos Geneticos, Empresa Brasileira de Pesquisa Agropecuaria, CEP 70000-Brasilia DF.
Received July 1981.


461405 to 461411. Oryza sativa L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manila.
Received April 1981.

461406. IRRI 23505. Khao None Woi. Cultivated. Seed.

461412 to 461418. Oryza sativa L. (Poaceae) Rice.

From Philippines. International Rice Research Institute, Manila.
Received April 1981.


461419. Glycine max (L.) Merr. (Fabaceae) Soybean.
From China, Peoples Repub of. Henan Agricultural Institute,
Zhengzhou, Henan Province. Received through T. Nygaard,
Kansas Farm Bureau, Manhattan, Kansas.
Received June 1981.

From China, Peoples Repub of. C. L. Zeng, Fine Seeds Station,
Square Strong Farm, Yiliho, TaFeng Kiangsu.
Received July 1981.

461421 TO 461422. Leucaena leucocephala (Lam.) de Wit (Fabaceae)
Leadtree.
From Indonesia. H. M. Beachell, International Rice Research
Institute, Bogor.
Received August 1981.
461421. G220. Received as L. glauca. Cultivated. Seed.

461423 TO 461463. Arachis hypogaea L. (Fabaceae) Peanut.
From China, Peoples Repub of. Institute of Oil Crops, Chinese
Academy of Agricultural Science, Wuhan.
Received June 1981.
461423. Sh-long Hwong-I. China, Peoples Repub of. Maturity 135
days. Oil content 48.9%. Cultivated. Seed.
461424. Mong-Sh. China, Peoples Repub of. Maturity 135 days.
Cultivated. Seed.
461425. Thing-Xiong Hwa-sung. China, Peoples Repub of. Maturity
138 days. Cultivated. Seed.
461433. Xie-Swei Zhwan-sung. China, Peoples Repub of. Maturity 149 days. Oil content 49.7%. Cultivated. Seed.
461436. Fong-Sa #4. China, Peoples Repub of. Maturity 135 days. Oil content 49.7%. Cultivated. Seed.
461441. Xieing-San Mi-Hwa-Sung. China, Peoples Repub of. Maturity 149 days. Oil content 50.4%. Cultivated. Seed.
461423 TO 461463—continued

Maturity 151 days. Oil content 51.4%. Cultivated. Seed.


461446. I-Chung Do-Hwa-Sung. China, Peoples Repub of. Maturity 149 days. Oil content 49.8%. Cultivated. Seed.


461451. Ma-Chung Bie-Gwun. China, Peoples Repub of. Maturity 144 days. Oil content 51.3%. Cultivated. Seed.


From China, Peoples Repub of. Department of Agriculture, Beijing Agricultural University, Beijing.
Received August 1981.


461465 TO 461500. Hordeum vulgare L. (Poaceae) Barley.

From China, Peoples Repub of. Department of Agriculture, Beijing Agricultural University, Beijing.
Received August 1981.


461469. 1802M. China, Peoples Repub of. Maturity 100 days. Cultivated. Seed.


461472. 1814D. China, Peoples Repub of. Maturity 105 days. Cultivated. Seed.

461473. 1815D. China, Peoples Repub of. Maturity 105 days. Cultivated. Seed.
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461465 TO 461500—continued
Cultivated. Seed.


From China, Peoples Repub of. Department of Agriculture, Beijing Agricultural University, Beijing. Received August 1981.


Cultivated. Seed.

461508 TO 461510. Glycine max (L.) Merr. (Fabaceae) Soybean.
From China, Peoples Repub of. Crop Breeding, Teaching, and
Research Laboratory, Jilin Agricultural University, Chang Chun, Jilin Province.
Received August 1981.

461508. Bai mo shi dou. China, Peoples Repub of. Maturity medium-

461509. Cha mo shi dou. China, Peoples Repub of. Maturity medium-

461510. Jiu nong No. 6. China, Peoples Repub of. Maturity medium-

From China, Peoples Repub of. Crop Breeding, Teaching, and
Research Laboratory, Jilin Agricultural University, Chang Chun, Jilin Province.
Received August 1981.

Maturity medium. Resistant to lodging, stem rust, and slight tolerance to leaf rust. Moisture tolerant.
Cultivated. Seed.

461512. He zuo No. 7. China, Peoples Repub of. Spring type.


Maturity medium to late. Resistant to stem rust, slight tolerance to leaf rust and leaf blight. Drought tolerant.
Cultivated. Seed.


461511 TO 461517—continued
Maturity early. Resistant to lodging and stem rust.
Cultivated. Seed.

Maturity very early. Resistant to leaf rust. Quality good.
Cultivated. Seed.


From Argentina. E. M. Gagey, 7000 - Tandil. Received through N.D.
Vietmeyer, Commission on Int'l. Relations, NAS,
Washington, D.C.
Received August 1981.

CR Special. Argentina. Plants to 3m tall. Hardy. Yield
Local name Topinambur. Cultivated. Tubers.

461519 TO 462018. Oryza sativa L. (Poaceae) Rice.

From India. Division of Plant Introduction, Indian Agricultural
Research Institute (IARI), New Delhi.
Received August 1981.

461522. IARI 10173. Cultivated. Seed.
461519 to 462018—continued

461541. IARI 10192. Cultivated. Seed.
461544. IARI 10195. Cultivated. Seed.
461545. IARI 10196. Cultivated. Seed.
461548. IARI 10199. Cultivated. Seed.
461554. IARI 10205. Cultivated. Seed.
461555. IARI 10206. Cultivated. Seed.
461519 TO 462018—continued

461567. IARI 10218. Cultivated. Seed.
461575. IARI 10226. Cultivated. Seed.
461579. IARI 10230. Cultivated. Seed.
461584. IARI 10235. Cultivated. Seed.
461585. IARI 10236. Cultivated. Seed.
461587. IARI 10238. Cultivated. Seed.
461588. IARI 10239. Cultivated. Seed.
461592. IARI 10243. Cultivated. Seed.
461600. IARI 10251. Cultivated. Seed.
461603. IARI 10254. Cultivated. Seed.
461604. IARI 10255. Cultivated. Seed.
461611. IARI 10262. Cultivated. Seed.
461618. IARI 10269. Cultivated. Seed.
461620. IARI 10271. Cultivated. Seed.
461624. IARI 10275. Cultivated. Seed.
461629. IARI 10280. Cultivated. Seed.
461635. IARI 10286. Cultivated. Seed.
461519 TO 462018-continued

461643. IARI 10294. Cultivated. Seed.
461646. IARI 10297. Cultivated. Seed.
461647. IARI 10298. Cultivated. Seed.
461652. IARI 10303. Cultivated. Seed.
461653. IARI 10304. Cultivated. Seed.
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461519 TO 462018—continued

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461868. IARI 10519. Cultivated. Seed.
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461887. IARI 10538. Cultivated. Seed.
461893. IARI 10544. Cultivated. Seed.
461894. IARI 10545. Cultivated. Seed.
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461519 TO 462018—continued

461924. IARI 10576. Cultivated. Seed.
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462019 to 462024. *Cicer arietinum* L. (Fabaceae) Chickpea.

From Syria. K. B. Singh, International Center for Agricultural Research in the Dry Areas, Aleppo.
Received August 1981.

<table>
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462025 TO 462026. Phaseolus acutifolius A. Gray (Fabaceae) Tepary bean.

From United States. Bedwood City Seed Company, Redwood City, California.

Received July 1981.


462027. Phaseolus vulgaris L. (Fabaceae) Garden bean.

From Yemen Arab Republic. N. R. Sackville-Hamilton, International Board of Plant Genetic Resources/Yemen Ministry of Agriculture, FAO, Rome, Italy.

Received July 1981.


462028 TO 462104. Sorghum bicolor (L.) Moench (Poaceae) Sorghum.

From Yemen Arab Republic. N. R. Sackville-Hamilton, International Board of Plant Genetic Resources/Yemen Ministry of Agriculture, FAO, Rome, Italy.

Received July 1981.


462028 TO 462104-continued


462028 TO 462104—continued


462028 TO 462104—continued


462084. 216. Yemen Arab Republic. Collected December 09, 1980. Field, 10km NE of Al Mansuriyah, As Suknah Dist., Hudaydah Province. 260M. Lat. 14 deg. 44' N, long. 43 deg.


462028 TO 462104—continued


Market, Suq Aswaiq, 15km N of Ibb by main road, Al Makhadir Dist., Ibb Prov. 1440M. Lat. 14 deg. 06' N, long. 44 deg. 11' E. Collected by N. R. Sackville-Hamilton and M.A.A. Khawlani. Originated at As Sharaf, 20km E of Suq.
Plants tall. Flower heads large, compact, drooping. Seeds yellow with small red specks, some red. Cultivated. Seed.


From Yemen Arab Republic. N. R. Sackville-Hamilton, International Board of Plant Genetic Resources/Yemen Ministry of Agriculture, FAO, Rome, Italy.
Received July 1981.

462105 TO 462111—continued


462112 TO 462121. Zea mays L. (Poaceae) Field corn.

From Yemen Arab Republic. N. R. Sackville-Hamilton, International Board of Plant Genetic Resources/Yemen Ministry of Agriculture, FAO, Rome, Italy. Received July 1981.

462112 TO 462121-continued

31° N, long. 44 deg. 01' E. Collected by N. R. Sackville-
Hamilton and M.A.A. Khawlani. Mixed sample of two
varieties from two separate fields. One white seeded, one
orange seeded. Cultivated. Seed.

Market, Taiz, Taizziyah Dist., Taiz Province. Lat. 13 deg.
31° N, long. 44 deg. 01' E. Collected by N. R. Sackville-
Hamilton and M.A.A. Khawlani. The orange seeded variety
from sample #49. Cultivated. Seed.

Field, Wadi Rasyan, 1 km W of main road, Mauza Dist.,
Taiz Province. 200M. Lat. 13 deg. 26' N, long. 43 deg.
32' E. Collected by N. R. Sackville-Hamilton and M.A.A.
Seed.

Store, Akshar, 44km E of Taiz, Mauriyah Dist., Taiz
Province. 1200M. Lat. 13 deg. 38' N, long. 44 deg. 21' E.
Collected by N. R. Sackville-Hamilton and M.A.A. Khawlani.
Cultivated. Seed.

Market, Hajjah, Al Misrakh Dist., Taiz Province. 1070M.
Lat. 15 deg. 42' N, long. 43 deg. 36' E. Collected by N.

Store, Ma'abar, 44km E of Razih, Sagayn Dist., Sa'dah
Province. 1860M. Lat. 16 deg. 59' N, long. 43 deg. 26' E.
Collected by N. R. Sackville-Hamilton and H. A. Ashwal.

Field, 23km E of Al Jarahi in Wadi Zabid, Jabal Ras Dist.,
Hudaydah Prov. 420M. Lat. 14 deg. 06' N, long. 63 deg.
35' E. Collected by N. R. Sackville-Hamilton and M.A.A.
Seed.

Store, Jarajer, 50km SE of Mishrafah, Wasab al Ail Dist.,
Sana'a Province. 980M. Lat. 14 deg. 15' N, long. 43 deg.
45' E. Collected by N. R. Sackville-Hamilton and M.A.A.
Khawlani. Seeds small, intermediate between the two main
local varieties. 1) Small, red, 2 1/2 month season.
2) Large, yellow, 3 month season. Local name Mutuosod.
Cultivated. Seed.

Store, 19km S of Mishrafah, Wasab as Safil Dist., Sana'a
462112 TO 462121-continued
Province. 880M. Lat. 14 deg. 17' N, long. 43 deg. 36' E.
Collected by N. R. Sackville-Hamilton and M.A.A. Khawlan.
Cultivated. Seed.

Harket, 15km N of Ibb by main road, Al Makhadir Dist.,
Ibb Province. 1440M. Lat. 14 deg. 06' N, long. 46 deg.
11' E. Collected by N. R. Sackville-Hamilton and M.A.A.

462122 TO 462123. Stokesia laevis (Hill) Greene (Asteraceae) Stokes' aster.

From United States. Geo. W. Park Seed Co., Inc., Greenwood, South
Carolina. Code numbers refer to 1980 Catalog designations.
Received August 1981.

Cultivated. Seed.

Cultivated. Seed.

462124 TO 462125. Helianthus annuus L. (Asteraceae) Sunflower.

From United States. F.K. Johnson, Hybrid Seed Division, Red River
Commodities, Inc., Fargo, North Dakota.
Received August 1981.


462126 TO 462129. Amaranthus tricolor L. (Amaranthaceae).

From India. National Botanical Research Institute, Lucknow-226001.
Received August 1981.


462127. India. Leaves with three colors. Deep color internally.
Cultivated. Seed.
462126 TO 462129-continued


462130 TO 462133. Arachis hypogaea L. (Fabaceae) Peanut.

From India. National Bureau of Plant Genetic Resources, (IARI), New Delhi - 110012.
Received June 1981.

462130. GAUG-1. India. Cultivated. Seed.

462131. GAUG-10. India. Cultivated. Seed.


From China, Peoples Repub of. Institute of Food Crops, Jiangsu Academy of Agricultural Science, Nanjing, Jiangsu Province.
Received August 1981.


462134 TO 462162—continued
Material. Seed.


462163 TO 462205. Cicer arietinum L. (Fabaceae) Chickpea.

From India. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad-500 016, A.P. Received through J.C. Phillips, California Polytechnic State Univ., San Luis Obispo. Received April 1981.

462163. 102. P-79. India. Flowers pink. Seeds rust-colored. From 2 to 0% infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462164. 434. P-319. India. Flowers pink. Seeds rust-colored. From 2 to 0% infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.


462166. 1913. P-1546. Flowers pink. Seeds rust-colored. No infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462167. 2461. P-2249. Iran. Flowers pink. Seeds rust-colored. From 2 to 0% infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462168. 6366. NEC-312. Iran. Flowers pink. Seeds rust-colored. No infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.
462163 to 462205—continued

462169. 6385. NEC-348. Iran. Flowers pink. Seeds rust-colored. From 2 to 0% infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462170. 6455. NEC-460. Iran. Flowers pink. Seeds rust-colored. No infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462171. 6494. NEC-529. Iran. Flowers pink. Seeds rust-colored. No infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462172. 6926. NEC-1166. Iran. Flowers pink. Seeds rust-colored. From 2 to 0% infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462173. 8982. NEC-346. Iran. Flowers pink. Seeds rust-colored. No infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.


462176. G-543. India. Flowers pink. Seed color variable. From 95 to 75% infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462177. GG-588. India. Flowers pink. Seeds rust-colored. From 5 to 2% infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462178. GG-663. India. Flowers white. Seed color variable. No infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462179. GG-669. India. Flowers pink. Seed color variable. No infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462180. GG-688. India. Flowers pink. Seed color variable. From 2
462181. ICCC-10. Flowers pink. Seed color variable. From 2 to 0% infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.


462188. Mission. United States. Flowers white. Seeds creamy-white. From 95 to 75% infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.


462203. UC-5. United States. Flowers white. Seeds creamy-white. From 20 to 10% infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.


462205. White Spanish. United States. Flowers white. Seeds creamy-white. From 75 to 40% infection by Fusarium wilt (F. oxysporum f. sp. ciceri) and/or Fusarium root rot (F. solani f. sp. pisi). Cultivated. Seed.

462206 TO 462210. Brassica oleracea var. botrytis L. (Brassicaceae) Broccoli.

From United Kingdom. National Vegetable Research Station, Wellesbourne, Warwick CV35 9EF. Received September 1981.


462211 TO 462225. Brassica oleracea var. botrytis L. (Brassicaceae) Cauliflower.

From United Kingdom. National Vegetable Research Station, Wellesbourne, Warwick CV35 9EF.
462211 TO 462225—continued
Received September 1981.

462211. CC 80720. Gigante di Napoli Gennarese Extra. Italy.

462212. CC 80725. Gigante di Napoli Febbrarese Extra. Italy.

462213. CC 80726. Gigante di Napoli Natalino Extra. Italy.

Cultivated. Seed.

462215. CC 80734. Toscano. Italy. Seed obtained from E.

Cultivated. Seed.

462217. CC 80737. Gigante di Napoli Marzatico Extra. Italy.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

462223. CC 80758. Romanesco. Italy. Fratelli Ingegnoli, Milan.
Cultivated. Seed.

462224. CC 80760. Cantanese. Italy. Fratelli Ingegnoli, Milan.
Cultivated. Seed.

462225. CC 80761. Cavolfiore precocissimo di Jezi. Italy.
Fratelli Ingegnoli, Milan. Cultivated. Seed.

462226 TO 462228. Arachis hypogaea L. (Fabaceae) Peanut.

From Zimbabwe. Crop Breeding Institute, Causeway.
Received June 1981.
462226 TO 462228—continued


462229. Sanguisorba minor Scop. (Fabaceae).

From Switzerland. S. V. Badoux, Stations Federales d'Essais Agricoles, Lausanne.
Received September 1981.

Switzerland. Mixture with PI 318602, Onobrychis viciifolia. Seed.


From India. R. N. Sawhney, Division of Genetics, Indian Agricultural Research Institute, New Delhi 110012.
Received October 1981.


462231. KLM 4-1B. India. Mutant line derived from M2 plant of Kharchia Local. Leaf rust resistant—produced an 0 infection type to 16 single spore cultures of leaf rust. Resistance not from Lr 9 or Lr 19 genes. Breeding Material. Seed.

462232. KLM 4-3B. India. Mutant line derived from M2 plant of Kharchia Local. Leaf rust resistant—produced an 0 infection type to 16 single spore cultures of leaf rust. Resistance not from Lr 9 or Lr 19 genes. Breeding Material. Seed.

462233. Arachis hypogaea L. (Fabaceae) Peanut.

From Sudan. A.B.M. El Ahmadi, Plant Breeding Section, Gezira Agriculture Research Station, Wad Medani.
Received October 1981.


462234. Hedicago minima (L.) Bartal. (Fabaceae) Little burclover.

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de
462234-continued
la Republica, Montevideo.
Received April 1981.


462235. Panicum bergii Arechav. (Poaceae).
From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.


462236. Panicum decipiens Nees (Poaceae) Panicgrass.
From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.


462237 TO 462238. Panicum glabripes Doell (Poaceae).
From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.


From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.


From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.


From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.


462242. Panicum sabulorum Lam. (Poaceae).

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.


From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.


462247. 2201. Uruguay. Coronilla, San Jose Department. Lat. 34 deg. 10' S. Collected by R. Brescia and E. Mackinnon.


From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo. Received April 1981.

2180b. Uruguay. Lat. 34 deg. 51' S. Cultivated. Seed.


From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo. Received April 1981.


462267. Paspalum indecorum Mez (Poaceae).

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo. Received April 1981.

462268 to 462272. *Paspalum ionanthum* Chase (Poaceae).

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.

Received April 1981.


462273. *Paspalum nicorae* Parodi (Poaceae) Brunswickgrass.

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.

Received April 1981.


462274 to 462277. *Paspalum notatum* var. *latiflorum* Doell (Poaceae).

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.

Received April 1981.


462275. 2485. Uruguay. Collected March 20, 1981. Rocky virgin field, Route 4, Km 144.5, Artigas Department. Lat. 30 deg 30' S. Collected by B. Rosengurtt and E. Mackinnon. Wild.
462274 TO 462277—continued
Seed.

462276. 2499. Uruguay. Rocky virgin field, Route 4, Km 188.5, Artigas Department. Lat. 30 deg. 30' S. Wild. Seed.


462278. Paspalum paniculatum L. (Poaceae).

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.


From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.


462280 TO 462281. Paspalum pauciciliatum (Parodi; Berter (Poaceae).

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.

462280. 2330. Uruguay. Lat. 30 deg. 32' S. Cultivated. Seed.


462282 TO 462291. Paspalum plicatulum Michx. (Poaceae) Brownseed paspalum.

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.

462282. 2158. Uruguay. Field near Parac stream, Route 8, Treinta
462282 TO 462283. Tres Department. Lat. 32 deg. 50' S. Plants common. Cultivated. Seed.


462292 TO 462293. Paspalum polyphyllum Nees (Poaceae).

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.

Received April 1981.


462294 TO 462302. Paspalum quadrifarium Lam. (Poaceae).

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo. Received April 1981.


462295. Collected West, 25km of Km 165 on Route 6, El Rincon. Lat. 33 deg. 40' S. Collected by B. Rosengurtt and E. Brescia. Wild. Seed.


462301. Paspalum rufum Nees ex Steud. (Poaceae).

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
462303-continued
la Republica, Montevideo.
Received April 1981.


462304 TO 462306. Paspalum urvillei Steud. (Poaceae) Vaseygrass.

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.


462307. Paspalum yaguaronense Henr. (Poaceae).

From Uruguay. B. Rosengurtt, Faculty of Agronomy, Universidad de la Republica, Montevideo.
Received April 1981.

462308 TO 462309. Physalis acutifolia (Miers) Sandw. (Solanaceae).

From United States. T.R. Van Devender, Herbarium, College of Agriculture, University of Arizona, Tucson, AZ.
Received October 1981.


462309. United States. Collected September 01, 1981. Arivaca
462310. Astragalus adsurgens Pall. (Fabaceae).


Used for erosion control via aerial seeding in combination with Pinus and Caragana. Adapted to low precipitation areas. Cultivated. Seed.


From France. S.D. Sunderwirth, UNISIGMA, Gie de Recherche et Selection, 60480-Froissy.
Received October 1981.


462312. Glycine max (L.) Merr. (Fabaceae) Soybean.

From India. Department of Plant Breeding, University of Agriculture and Technology, Pant Nagar, Nainital District. Received October 1981.

Ankur. Developed from a bulk population by K. Hinson, USDA, Univ. of Florida. Resistant to an isolate of soybean rust (Phakopsora pachyrhizi) from the Pant Nagar area. Annual. Cultivar. Seed.


From Spain. Research Department, AGRAR, S/A, Zaragoza. Received October 1981.


From Spain. Research Department, AGRAR, S/A, Zaragoza. Received October 1981.


462321 to 462322. Arachis hypogaea L. (Fabaceae) Peanut.

From China, Peoples Repub of. Zaixu Wang, Peanut Research Institute, Laixi, Shandong Province. Received through R. O. Hammons, USDA, Coastal Plain Station, Tifton, Georgia. Received October 1981.


462323 to 462325. Solanum tuberosum L. (Solanaceae) Potato.


462326 to 462327. Solanum tuberosum L. (Solanaceae) Potato.

From Peru. International Potato Center, Wild Species Germplasm Bank, Lima.
462326 TO 462327-continued
Received October 1981.

462326. OCH 11982. Peru. Tubers.
462327. OCH 11994. Peru. Tubers.

462328. Solanum tuberosum L. (Solanaceae) Potato.

From Israel. Agricultural Research Organization, The Volcani Center, Bet Dagan.
Received October 1981.

558-1. Israel. Tubers.

462329. Solanum tuberosum L. (Solanaceae) Potato.

From China, Republic of. Asian Vegetable Research & Development Center, Shanhua, Tainan 741.
Received October 1981.


462330 TO 462331. Solanum tuberosum L. (Solanaceae) Potato.

From Peru. L. D. Schilde, International Potato Center, Lima.
Received October 1981.


462332 TO 462333. Solanum tuberosum L. (Solanaceae) Potato.

From Soviet Union. Department of Tubiferous Plants, N.I. Vavilov Institute of Plant Industry, 190000 Leningrad, 1.
Received October 1981.

462334. Holcus lanatus L. (Poaceae) Velvetgrass.
From New Zealand. N. Cameron, Seed Division, Arthur Yates & Co., Ltd., Hornby, Christchurch.
Received October 1981.

462335 TO 462341. Lolium perenne L. (Poaceae) Perennial ryegrass.
From New Zealand. N. Cameron, Seed Division, Arthur Yates & Co., Ltd., Hornby, Christchurch.
Received October 1981.


462341. RG 810020. 'Ruanui'. New Zealand. Palmerston North
462342 TO 462360. *Allium fistulosum* L. (Amaryllidaceae) Bunching onion.

From Japan. Vegetable & Ornamental Crops Research Station, Tsu-
city.
Received October 1981.

long, thick, white. Cultivated. Seed.

462343. Akari. Japan. Tillers three to four. Leaf green. Sheath
white. Leaf and sheath edible. Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

462347. Kannon Hosonegi. Japan. Tillers many. Leaf blade and

462348. Kannon Negi. Japan. Tillers many. Leaf blade and sheath

462349. Koshizu Nebuka. Japan. Tillers four to five. Leaf blade

462350. Kujou (Asagi Kei). Japan. Tillers many. Leaf blade light

462351. Matsumoto Ippon Futo. Japan. Sheath bundle long, thick,

short, thick, white. Cultivated. Seed.

bundle long, thick, white. Cultivated. Seed.

Cultivated. Seed.

462355. Oosaka Chuuboso. Japan. Tillers many. Leaf blades mainly

462356. Shounai Nebuka Negi. Japan. Tillers several. Sheath
462342 TO 462360—continued
long, white. Cultivated. Seed.


462361. Phaseolus vulgaris L. (Fabaceae) Garden bean.
From Mexico. G. A. White, Germplasm Resources Laboratory, PGGI, USDA Agricultural Research Center, Beltsville, Maryland, USA. Received November 1981.

462362. Setaria sphacelata (Schum.) Stapf & Hubb. ex M. B. Moss (Poaceae).
From South Africa. A. J. Oakes, USDA, Germplasm Resources Laboratory, Beltsville, MD. Received October 1981.

462363. Agrostis keniensis Pilger (Poaceae).
From Kenya. Department of Botany, University of Nairobi, Nairobi. Received October 1981.

462364. Festuca sp. (Poaceae).
From Kenya. Department of Botany, University of Nairobi, Nairobi. Received October 1981.

From Kenya. Department of Botany, University of Nairobi, Nairobi.
Received October 1981.

462366. Setaria sp. (Poaceae).

From Kenya. Department of Botany, University of Nairobi, Nairobi.
Received October 1981.

462367. Sporobolus pyramidalis Beauv. (Poaceae).

From Kenya. Department of Botany, University of Nairobi, Nairobi.
Received October 1981.

462368. Zea diploperennis Iltis, Doebley & Guzman (Poaceae).

From Mexico. R. Guzman & M. A. de Guzman, Department of Botany,
University of Wisconsin, Madison, Wisconsin, USA.
Received October 1981.

Manantlan Occidental, Jalisco. 1900-1950M. East 2km of
Las Joyas, 6km WSW of Rincon de Manantlan, 15km SSW of El
Chante. Lat. 19 deg. 35' 15" N, Long. 104 deg. 15' 50" W.
Plants near houses at Zarza mora (blackberry). Same
locality as for PI 441932. Wild. Seed.

462369. Cucumis hardwickii Royle (Cucurbitaceae).

From Soviet Union. N. I. Vavilov Institute of Plant Industry,
Leningrad.
Received June 1981.

VIR 3147. India. Seed.


From Soviet Union. N. I. Vavilov Institute of Plant Industry,
Leningrad.
Received June 1981.


From Sudan. A. Ahmadi and R. Croston, Plant Breeding Section, Gezira Research Station and FAO/IBPGR, Wan Medani, Sudan and Rome, Italy. Received September 1981.


462372 TO 462373. Sorghum bicolor (L.) Moench (Poaceae) Sorghum.

From Sudan. A. Ahmadi and R. Croston, Plant Breeding Section, Gezira Research Station and FAO/IBPGR, Wan Medani, Sudan and Rome, Italy. Received September 1981.


462374 TO 462376. Zea mays L. (Poaceae) Field corn.

From Sudan. A. Ahmadi and R. Croston, Plant Breeding Section, Gezira Research Station and FAO/IBPGR, Wan Medani, Sudan and Rome, Italy. Received September 1981.


462375. 27. Collected August 04, 1981. Store, Kaaroo, 4km E of Kelling, Jebel Marra area, Darfur Province. 2010M. Lat. 13 deg. 05' N, Long. 24 deg. 20' E. Cultivated. Seed.


462377 TO 462382. Coffea arabica L. (Rubiaceae) Coffee.

From Portugal. C. J. Rodrigues, Jr., Centro de Investigacao das
Ferrugens do Cafeeiro, Estacao Agronomica Nacional, Oeiras.
Received November 1981.


462383 TO 463088. Eleusine coracana (L.) Gaertn. (Poaceae) Finger millet.

From India. Indian Agriculture Research Institute, Rockefeller Foundation, New Delhi.
Received March 1981.

462383 TO 463088—continued

462405. I. E. 41. India. West Bengal State. Seed.
462406. I. E. 42. India. West Bengal State. Seed.
462407. I. E. 43. India. West Bengal State. Seed.
462408. I. E. 44. India. West Bengal State. Seed.
462414. I. E. 52. India. West Bengal State. Seed.

583
462419. I. E. 64. India. West Bengal State. Seed.
462421. I. E. 68. India. West Bengal State. Seed.
462383 TO 463088—continued

462383 TO 463088—continued

462383 TO 463088—continued

462383 TO 463088—continued

462383 TO 463088—continued

462383 to 463088—continued

462383 TO 463088—continued

462383 TO 463088—continued

462797. I. E. 662. India. NEFA, Assam & Manipur State. Seed.
462798. I. E. 663. India. NEFA, Assam & Manipur State. Seed.
462801. I. E. 668. India. NEFA, Assam & Manipur State. Seed.
462802. I. E. 672. India. NEFA, Assam & Manipur State. Seed.
462803. I. E. 673. India. NEFA, Assam & Manipur State. Seed.
462804. I. E. 678. India. NEFA, Assam & Manipur State. Seed.
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462383 TO 463088—continued

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462962. I. E. 945. India. Seed.
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463089 to 463511. Panicum miliaceum L. (Poaceae) Proso millet.

From India. Indian Agriculture Research Institute, Rockefeller
463089 TO 463511—continued
Foundation, New Delhi.
Received March 1981.

463089. I. Pm. 8. India. Seed.
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463089 TO 463511—continued

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463089 TO 463511—continued

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463089 TO 463511—continued

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463254. I. Pm. 1513. India. Andhra Pradesh State. Seed.
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463089 TO 463511—continued

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463089 TO 463511–continued

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463089 TO 463511—continued

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463089 to 463511—continued

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463089 TO 463511—continued

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463089 TO 463511—continued

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463499.  I. Pm. 5218. India. Seed.
463500.  I. Pm. 5219. India. Seed.
463501.  I. Pm. 5220. India. Seed.
463502.  I. Pm. 5221. India. Seed.
463503.  I. Pm. 5222. India. Seed.
463512 TO 463845. Paniocm sumatrense Roth ex Roem. & Schult. (Poaceae) Little millet.

From India. Indian Agriculture Research Institute, Rockefeller Foundation, New Delhi. Received March 1981.

463512. I. Pm. 1. India. Andhra Pradesh State. Received as P. miliare. Seed.

463513. I. Pm. 2. India. Andhra Pradesh State. Received as P. miliare. Seed.

463514. I. Pm. 3. India. Andhra Pradesh State. Received as P. miliare. Seed.

463515. I. Pm. 4. India. Andhra Pradesh State. Received as P. miliare. Seed.

463516. I. Pm. 5. India. Andhra Pradesh State. Received as P. miliare. Seed.

463517. I. Pm. 6. India. West Bengal State. Received as P. miliare. Seed.

463518. I. Pm. 8. India. West Bengal State. Received as P. miliare. Seed.

463519. I. Pm. 9. India. West Bengal State. Received as P. miliare. Seed.

463520. I. Pm. 10. India. West Bengal State. Received as P. miliare. Seed.

463521. I. Pm. 14. India. West Bengal State. Received as P.
463512 TO 463845-continued

miliare. Seed.

463522. I. Pmr. 18. India. West Bengal State. Received as P. miliare. Seed.

463523. I. Pmr. 19. India. West Bengal State. Received as P. miliare. Seed.

463524. I. Pmr. 20. India. West Bengal State. Received as P. miliare. Seed.

463525. I. Pmr. 21. India. West Bengal State. Received as P. miliare. Seed.

463526. I. Pmr. 22. India. West Bengal State. Received as P. miliare. Seed.

463527. I. Pmr. 23. India. West Bengal State. Received as P. miliare. Seed.


463530. I. Pmr. 28. India. Bihar State. Received as P. miliare. Seed.

463531. I. Pmr. 29. India. Bihar State. Received as P. miliare. Seed.

463532. I. Pmr. 30. India. Bihar State. Received as P. miliare. Seed.

463533. I. Pmr. 33. India. Bihar State. Received as P. miliare. Seed.

463534. I. Pmr. 34. India. Bihar State. Received as P. miliare. Seed.

463535. I. Pmr. 35. India. Bihar State. Received as P. miliare. Seed.

463536. I. Pmr. 36. India. Bihar State. Received as P. miliare. Seed.

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463554. I. Pmr. 61. India. Bihar State. Received as P. miliare. Seed.
463556. I. Pmr. 65. India. Bihar State. Received as P. miliare.
463512 TO 463845—continued

Seed.

463557. I. Pmr. 66. India. Bihar State. Received as P. miliare. Seed.

463558. I. Pmr. 69. India. Bihar State. Received as P. miliare. Seed.

463559. I. Pmr. 70. India. Bihar State. Received as P. miliare. Seed.

463560. I. Pmr. 72. India. Bihar State. Received as P. miliare. Seed.

463561. I. Pmr. 73. India. Bihar State. Received as P. miliare. Seed.

463562. I. Pmr. 102. India. Madhya Pradesh State. Received as P. miliare. Seed.

463563. I. Pmr. 112. India. Madhya Pradesh State. Received as P. miliare. Seed.

463564. I. Pmr. 113. India. Madhya Pradesh State. Received as P. miliare. Seed.

463565. I. Pmr. 115. India. Madhya Pradesh State. Received as P. miliare. Seed.

463566. I. Pmr. 121. India. Madhya Pradesh State. Received as P. miliare. Seed.

463567. I. Pmr. 124. India. Madhya Pradesh State. Received as P. miliare. Seed.

463568. I. Pmr. 127. India. Madhya Pradesh State. Received as P. miliare. Seed.

463569. I. Pmr. 128. India. Madhya Pradesh State. Received as P. miliare. Seed.

463570. I. Pmr. 129. India. Madhya Pradesh State. Received as P. miliare. Seed.

463571. I. Pmr. 130. India. Madhya Pradesh State. Received as P. miliare. Seed.

463572. I. Pmr. 140. India. Madhya Pradesh State. Received as P. miliare. Seed.

463573. I. Pmr. 141. India. Madhya Pradesh State. Received as P. miliare. Seed.

629
463574. I. Pmr. 142. India. Madhya Pradesh State. Received as P. miliare. Seed.

463575. I. Pmr. 143. India. Madhya Pradesh State. Received as P. miliare. Seed.

463576. I. Pmr. 145. India. Madhya Pradesh State. Received as P. miliare. Seed.

463577. I. Pmr. 146. India. Madhya Pradesh State. Received as P. miliare. Seed.

463578. I. Pmr. 148. India. Madras State. Received as P. miliare. Seed.

463579. I. Pmr. 151. India. Madras State. Received as P. miliare. Seed.


463581. I. Pmr. 155. India. Madras State. Received as P. miliare. Seed.


463583. I. Pmr. 158. India. Madras State. Received as P. miliare. Seed.

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463586. I. Pmr. 162. India. Madras State. Received as P. miliare. Seed.

463587. I. Pmr. 164. India. Madras State. Received as P. miliare. Seed.

463588. I. Pmr. 165. India. Maharashtra State. Received as P. miliare. Seed.

463589. I. Pmr. 166. India. Maharashtra State. Received as P. miliare. Seed.

463590. I. Pmr. 169. India. Maharashtra State. Received as P. miliare. Seed.

463591. I. Pmr. 170. India. Maharashtra State. Received as P.
463512 TO 463845-continued
miliare. Seed.

463592. I. Pmr. 171. India. Maharashtra State. Received as P. miliare. Seed.

463593. I. Pmr. 173. India. Mysore State. Received as P. miliare. Seed.

463594. I. Pmr. 174. India. Mysore State. Received as P. miliare. Seed.

463595. I. Pmr. 175. India. Mysore State. Received as P. miliare. Seed.

463596. I. Pmr. 176. India. Orissa State. Received as P. miliare. Seed.

463597. I. Pmr. 178. India. Orissa State. Received as P. miliare. Seed.

463598. I. Pmr. 179. India. Orissa State. Received as P. miliare. Seed.

463599. I. Pmr. 180. India. Orissa State. Received as P. miliare. Seed.

463600. I. Pmr. 181. India. Orissa State. Received as P. miliare. Seed.

463601. I. Pmr. 183. India. Punjab State. Received as P. miliare. Seed.

463602. I. Pmr. 185. India. Punjab State. Received as P. miliare. Seed.

463603. I. Pmr. 186. India. Punjab State. Received as P. miliare. Seed.

463604. I. Pmr. 187. India. Punjab State. Received as P. miliare. Seed.

463605. I. Pmr. 189. India. Punjab State. Received as P. miliare. Seed.

463606. I. Pmr. 190. India. Punjab State. Received as P. miliare. Seed.

463607. I. Pmr. 195. India. Rajasthan State. Received as P. miliare. Seed.

463608. I. Pmr. 200. India. Rajasthan State. Received as P. miliare. Seed.
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I. Par. 410. India. Mysore State. Received as P. miliare.
463512 TO 463845—continued

Seed.

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463698. I. Pmr. 412. India. Mysore State. Received as P. miliare. Seed.

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463703. I. Pmr. 417. India. Mysore State. Received as P. miliare. Seed.

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463705. I. Pmr. 421. India. Orissa State. Received as P. miliare. Seed.

463706. I. Pmr. 422. India. Orissa State. Received as P. miliare. Seed.

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463723. I. Par. 453-A. India. Orissa State. Received as P. miliare. Seed.

463724. I. Par. 453-B. India. Orissa State. Received as P. miliare. Seed.

463725. I. Par. 454. India. Punjab State. Received as P. miliare. Seed.

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463729. I. Par. 1006. India. Maharashtra State. Received as P. miliare. Seed.

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463748. I. Pmr. 1047. India. Bihar State. Received as P. miliare. Seed.

463749. I. Pmr. 1048. India. Bihar State. Received as P. miliare.
463512 TO 463845—continued
Seed.

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463783. I. Pmr. 1163. India. Bihar State. Received as P. miliare. Seed.

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463815. I. Pmr. 1199. India. Madhya Pradesh State. Received as P. miliare. Seed.
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463819. I. Pmr. 1204. India. Madhya Pradesh State. Received as P. miliare. Seed.
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463823. I. Pmr. 1208. India. Madhya Pradesh State. Received as P. miliare. Seed.
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463828. I. Pmr. 1213. India. Madhya Pradesh State. Received as P. miliare. Seed.
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463830. I. Pmr. 1215. India. Madhya Pradesh State. Received as P. miliare. Seed.
463831. I. Pmr. 1216. India. Madhya Pradesh State. Received as P. miliare. Seed.
463832. I. Pmr. 1217. India. Madhya Pradesh State. Received as P. miliare. Seed.
463833. I. Pmr. 1229. India. Madhya Pradesh State. Received as P. miliare. Seed.
463834. I. Pmr. 1230. India. Madhya Pradesh State. Received as P. miliare. Seed.
463835. I. Pmr. 1231. India. Madhya Pradesh State. Received as P. miliare. Seed.
463836. I. Pmr. 1232. India. Orissa State. Received as P. miliare. Seed.
463837. I. Pmr. 1233. India. Orissa State. Received as P. miliare. Seed.
463838. I. Pmr. 1234. India. Orissa State. Received as P.
463512 TO 463845-continued

miliare. Seed.

463839. I. Pmr. 1235. India. Crissa State. Received as P. miliare. Seed.

463840. I. Pmr. 1236. India. Crissa State. Received as P. miliare. Seed.

463841. I. Pmr. 1237. India. Received as P. miliare. Seed.

463842. I. Pmr. 1238. India. Bihar State. Received as P. miliare. Seed.

463843. I. Pmr. 1521. India. Received as P. miliare. Seed.

463844. I. Pmr. 1522. India. Received as P. miliare. Seed.

463845. I. Pmr. 1523. India. Received as P. miliare. Seed.

463846 TO 464156. Paspalum scrobiculatum L. (Poaceae) Kodo.

From India. Indian Agriculture Research Institute, Rockefeller Foundation, New Delhi.
Received March 1981.

463846. I. Ps. 1. India. Andhra Pradesh State. Seed.

463847. I. Ps. 2. India. Andhra Pradesh State. Seed.

463848. I. Ps. 5. India. Andhra Pradesh State. Seed.


463850. I. Ps. 11. India. West Bengal State. Seed.

463851. I. Ps. 16. India. West Bengal State. Seed.

463852. I. Ps. 17. India. West Bengal State. Seed.

463853. I. Ps. 18. India. West Bengal State. Seed.

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463846 to 464156—continued

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463846 TO 464156—continued

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464154. I. Ps. 605. Seed.
464155. I. Ps. 606. Seed.

464157 TO 464582. Setaria italica (L.) Beauv. (Poaceae) Foxtail millet.

From India. Indian Agriculture Research Institute, Rockefeller Foundation, New Delhi.
Received March 1981.

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464157 TO 464582—continued

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464251. I. Se. 96. India. Gujarat State. Seed.
464253. I. Se. 98. India. Gujarat State. Seed.
464256. I. Se. 99-C. India. Gujarat State. Seed.
464257. I. Se. 100. India. Gujarat State. Seed.
464260. I. Se. 102. India. Himachal Pradesh State. Seed.
464261. I. Se. 103. India. Himachal Pradesh State. Seed.
464157 TO 464582-continued

464285. I. Se. 139. India. Kerala State. Seed.
464288. I. Se. 142-A. India. Seed.
464289. I. Se. 142-B. India. Seed.
464290. I. Se. 143. India. Seed.
464291. I. Se. 144. India. Seed.
464292. I. Se. 145. India. Seed.
464293. I. Se. 146. India. Seed.
464294. I. Se. 147. India. Madhya Pradesh State. Seed.
464296. I. Se. 150. India. Madhya Pradesh State. Seed.
464297. I. Se. 152. India. Madhya Pradesh State. Seed.
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464302. I. Se. 158. India. Madhya Pradesh State. Seed.
464303. I. Se. 159-A. India. Madhya Pradesh State. Seed.
464304. I. Se. 159-B. India. Madhya Pradesh State. Seed.
464309. I. Se. 163. India. Madhya Pradesh State. Seed.
464312. I. Se. 166. India. Madhya Pradesh State. Seed.
464317. I. Se. 171-B. India. Madhya Pradesh State. Seed.
464321. I. Se. 175. India. Madras State. Seed.
464323. I. Se. 177. India. Madras State. Seed.
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464328. I. Se. 182. India. Madras State. Seed.
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464332. I. Se. 186-B. India. Madras State. Seed.
464334. I. Se. 188. India. Madras State. Seed.
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464355. I. Se. 207. India. Madras State. Seed.
464359. I. Se. 210-B. India. Maharashtra State. Seed.
464361. I. Se. 211-B. India. Maharashtra State. Seed.
464363. I. Se. 212-B. India. Maharashtra State. Seed.
464364. I. Se. 212-C. India. Maharashtra State. Seed.
464366. I. Se. 214-B. India. Maharashtra State. Seed.
464372. I. Se. 219-B. India. Maharashtra State. Seed.
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464378. I. Se. 223-B. India. Maharashtra State. Seed.
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464386. I. Se. 236. India. Mysore State. Seed.
464388. I. Se. 238. India. Mysore State. Seed.
464389. I. Se. 239. India. Mysore State. Seed.
464392. I. Se. 244-A. India. Mysore State. Seed.
464393. I. Se. 244-B. India. Mysore State. Seed.
464394. I. Se. 245. India. Mysore State. Seed.
464399. I. Se. 249-B. India. Mysore State. Seed.
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464431. I. Se. 279. India. Mysore State. Seed.
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464436. I. Se. 284. India. Mysore State. Seed.
464442. I. Se. 290. India. Mysore State. Seed.
464445. I. Se. 293. India. Orissa State. Seed.
464447. I. Se. 294-B. India. Orissa State. Seed.
464449. I. Se. 296. India. Orissa State. Seed.
464453. I. Se. 300-B. India. Punjab State. Seed.
464454. I. Se. 301. India. Punjab State. Seed.
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464495. I. Se. 345. India. Uttar Pradesh State. Seed.
464497. I. Se. 349. India. Uttar Pradesh State. Seed.
464157 TO 464582—continued

464509. I. Se. 368. India. Uttar Pradesh State. Seed.
464513. I. Se. 373. India. Uttar Pradesh State. Seed.
464515. I. Se. 375. India. Assam State. Seed.
464516. I. Se. 376. India. Assam State. Seed.
464528. I. Se. 391-B. India. Madhya Pradesh State. Seed.
464530. I. Se. 393. India. Madhya Pradesh State. Seed.
464536. I. Se. 399. India. Madhya Pradesh State. Seed.
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464540. I. Se. 405-A. India. Assam State. Seed.
464541. I. Se. 405-B. India. Assam State. Seed.
464552. I. Se. 504. Turkey. Seed.
464557. I. Se. 642. United States. Seed.
464561. I. Se. 646. India. Punjab State. Seed.
464567. I. Se. 663. Switzerland. Seed.
464568. I. Se. 673. India. West Bengal State. Seed.
464571. I. Se. 700. India. Seed.
464572. I. Se. 701. India. Seed.
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464574. I. Se. 703. India. Seed.
464575. I. Se. 706. India. Seed.
464576. I. Se. 708. India. Seed.
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464578. I. Se. 710. India. Seed.
464579. I. Se. 711. India. Seed.
464580. I. Se. 712. India. Seed.
464581. I. Se. 713. India. Seed.
464582. I. Se. H-1. India. Seed.


From United States. Dig Flats Plant Materials Center, Soil
464583-continued
Conservation Service, USDA, and Cornell University, Big Flats and Ithaca, New York. Received through joint release by SCS, USDA & College of Agriculture and Life Sciences. Received November 1981.


464584. Sanguisorba minor Scop. (Fabaceae).
From United States. Aberdeen Plant Materials Center, SCS, USDA, and Agricultural Experiment Station, University of Idaho, Aberdeen, Idaho. Received December 1981.


464585 TO 464638. Oryza sativa L. (Poaceae) Rice.


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464585 TO 464638-continued
Cultivated. Seed.


From Australia. Australian Wheat Collection, Tamworth, N.S.W. Received September 1981.


464648. Pueraria phaseoloides (Roxb.) Benth. (Fabaceae) Tropical kudzu.

From Malawi. Chitedze Agricultural Research Station, Ministry of Agriculture, Lilongwe.
Received October 1981.

Malawi. Seed.


From Denmark. S. Andersen, Department of Crop Husbandry and Plant Breeding, Agricultural University, Copenhagen V.
Received December 1981.


464652 TO 464655. Hordeum vulgare L. (Poaceae) Barley.

From Denmark. S. Andersen, Department of Crop Husbandry and Plant Breeding, Agricultural University, Copenhagen V.
Received December 1981.

464652. KVL 807. 'Zita'. Denmark. Resistant to races 1 and 2 of Heterodera avenae. Cultivar. Seed.

464653. KVL 840. 'Mirjam'. Denmark. Resistant to races 1 and 2 of Heterodera avenae. Cultivar. Seed.

464654. KVL 841. 'Nery'. Denmark. Resistant to races 1 and 2 of Heterodera avenae. Cultivar. Seed.
464652 TO 464655—continued


From United States. Soil Conservation Service, U.S. Department of Agriculture & Texas Agricultural Experiment Station, College Station, Texas. Received December 1981.

T-26. 'Brazos'. United States. (Guymon x 9958) x X-820. Parental lines originated in Africa. Hybrid developed by C.M. Taliaferro and W. L. Richardson, Agronomy Dept., Oklahoma State Univ., Stillwater. Tested at several locations in Texas and compared favorably or surpassed 'Coastal' bermudagrass for several characteristics. Perennial Herb. Cultivar. Plants.

464657. Coronilla sp. (Fabaceae).
From Turkey. J. H. Elgin, Jr., R. H. Batcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada. Received August 1981.


464658 TO 464659. Lotus collinus (Boiss.) Heldr. (Fabaceae).
From Turkey. J. H. Elgin, Jr., R. H. Batcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada. Received August 1981.


464660 TO 464662. Lotus corniculatus var. alpinus Ser. (Fabaceae).

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.
Received August 1981.


464663 TO 464684. Lotus corniculatus var. corniculatus L. (Fabaceae).

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.
Received August 1981.


464663 TO 464684—continued

L. corniculatus var. alpinus and L. corniculatus var. corniculatus. Wild. Seed.


**464663 to 464684—continued**

Flowers yellow. Wild. Seed.


**464685.** Lotus gebelia Vent. (Fabaceae).

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.

Received August 1981.


**464686 to 464688.** Lotus tenuis Waldst. & Kit. ex Willd. (Fabaceae) Narrowleaf trefoil.

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research
464686 TO 464688-continued
Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.
Received August 1981.


464689. Lotus uliginosus Schkuhr (Fabaceae).

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.
Received August 1981.


464690 TO 464691. Medicago lupulina L. (Fabaceae) Black medic.

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.
Received August 1981.


464692. Medicago marina L. (Fabaceae).

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA
464692-continued
Field Crops Laboratory & Biosystematics Research
Institute, Agriculture Canada, Maryland, USA & Ontario,
Canada.
Received August 1981.

JE 001. Turkey. Collected July 19, 1981. Aegean
seashore, 8km N of Kusadasi, Izmir Province. 28° Lat. 37
deg. 55' N, Long. 27 deg. 15' E. Plants 7-15cm tall,
highly pubescent. Pods pubescent with small spines,
coiled. Pods collected from 2 locations, 100m apart and
bulk. Wild. Seed.

464693 TO 464695. Medicago minima (L.) Bartal. (Fabaceae) Little
burclover.

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA
Field Crops Laboratory & Biosystematics Research
Institute, Agriculture Canada, Maryland, USA & Ontario,
Canada.
Received August 1981.

464693. JE 044. Turkey. Collected July 30, 1981. Uludore, 9km NE
of Ahlat, Bitlis Province. 1640M. Lat. 38 deg. 45' N,
Long. 42 deg. 35' E. Wild. Seed.

464694. JE 149. Turkey. Collected August 08, 1981. Roadbank,
42km SW of Tercan, Erzincan Province. 1320M. Lat. 39 deg.
40' N, Long. 40 deg. 10' E. Wild. Seed.

464695. JE 185. Turkey. Collected August 11, 1981. South slope,
17km E of Elmadag, Ankara Province. 700M. Lat. 39 deg.
55' N, Long. 33 deg. 25' E. Wild. Seed.

464696. Medicago orbicularis (L.) Bartal. (Fabaceae) Buttonclover
medic.

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA
Field Crops Laboratory & Biosystematics Research
Institute, Agriculture Canada, Maryland, USA & Ontario,
Canada.
Received August 1981.

Institute, 5km NE of Diyarbakir, Diyarbakir Province.
600M. Lat. 37 deg. 59' N, Long. 40 deg. 15' E. Growing in
uncultivated area. Wild. Seed.

464697 TO 464705. Medicago papillosa Boiss. (Fabaceae).

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA


JE 131. Turkey. Collected August 07, 1981. Rocky hillside, 10km SW of Tortum, Erzurum Province. 1830M. Lat. 40 deg. 15' N, Long. 41 deg. 35' E. Plants ascending to 0.25m. Flowers yellow. Pods irregularly coiled, pubescent. Wild. Seed.


464706 TO 464707. Medicago radiata L. (Fabaceae).

From Turkey. J. H. Elgin, Jr., R. H. Batcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.
Received August 1981.


464708 TO 464709. Medicago rigidula (L.) All. (Fabaceae) Tifton burclover.

From Turkey. J. H. Elgin, Jr., R. H. Batcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.
Received August 1981.


464710 TO 464724. Medicago sativa subsp. caerulea (Lessing ex Ledebour) Schmalhausen (Fabaceae).

From Turkey. J. H. Elgin, Jr., R. H. Batcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.
Received August 1981.

464710 TO 464724—continued
Wild. Seed.


464713. JE 093. Turkey. Collected August 03, 1981. Field, 17 km W of Dogubayazit, Agri Province. 1620M. Lat. 39 deg. 43 deg. 53' E. Plants mixed, possibly diploid growing with tetraploid. Some stems to 1.5 m, others to 20 cm. Leaves narrow. Racemes long on some, short on others. Flowers small. Pods small, coiled. Wild. Seed.


464718. JE 104. Turkey. Collected August 04, 1981. Roadside, Akcay, 20 km E of Kagizman, Kars Province. 1050M. Lat. 40 deg. 07' N, Long. 43 deg. 15' E. Plants next to cultivated tetraploid alfalfa field. Stems branched, rambling, 0.3-1.0 m long. Leaves small. Flowers small, purple. Pods small, coiled. Wild. Seed.


464721. JE 129. Turkey. Collected August 06, 1981. Roadside, 10 km W of Horasan, Erzurum Province. 1560M. Lat. 40 deg. 05' N, Long. 42 deg. 07' E. Plants ascending, 0.5-1.5 m. Flowers small, purple. Pods small, coiled. Wild. Seed.


464723. JE 159. Turkey. Collected August 08, 1981. Dry mountain valley, 10 km SW of Pulumur, Tunceli Province. 1280M. Lat. 39 deg. 25' N, Long. 39 deg. 53' E. Plants ascending to 0.75 m tall. Flowers small, purple. Pods small, coiled. Wild. Seed.


464725 TO 464729. Medicago sativa subsp. falcata (L.) Arc. (Fabaceae).

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.

Received August 1981.


464726. JE 109. Turkey. Collected August 04, 1981. Roadbank, S end of Pasli, 29 km NW of Kagizman, Kars Province. 1760M. Lat. 40 deg. 18' N, Long. 42 deg. 55' E. Single plant low-
464725 TO 464729—continued

end of Pasli, 29km NW of Kagizman, Kars Province. 1760M.
Lat. 40 deg. 18' N, Long. 42 deg. 55' E. Single plant low-

464728. JE 111. Turkey. Collected August 04, 1981. Roadbank, S
end of Pasli, 29km NW of Kagizman, Kars Province. 1760M.
Lat. 40 deg. 18' N, Long. 42 deg. 55' E. Plants low-

464729. JE 112. Turkey. Collected August 04, 1981. Roadbank, 1
km N of Pasli, 31km NW of Kagizman, Kars Province. 1830M.
Lat. 40 deg. 20' N, Long. 42 deg. 55' E. Wild. Seed.

464730 TO 464799. Medicago sativa subsp. sativa L. (Fabaceae) Alfalfa.

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA
Field Crops Laboratory & Biosystematics Research
Institute, Agriculture Canada, Maryland, USA & Ontario,
Canada.
Received August 1981.

464730. JE 002. Turkey. Collected July 21, 1981. Farm,
Ilicahamam, 5km NE of Banaz, Usak Province. 950M. Lat. 38
deg. 45' N, Long. 29 deg. 45' E. Highly productive.
Stands last 6 to 8 years. Primitive Cultivar. Seed.

464731. JE 004. Turkey. Collected July 21, 1981. Farm, 7km E of
Aksehir, Konya Province. 990M. Lat. 38 deg. 25' N, Long.
31 deg. 32' E. Good productivity. Stands last 8 to 10
years. Low frequency of multiple leaflets. Primitive
Cultivar. Seed.

464732. JE 005. Turkey. Collected July 22, 1981. Along rock
wall, 50km SW of Aksaray, Nigde Province. 920M. Lat. 38
deg. 15' N, Long. 33 deg. 30' E. Wild. Seed.

464733. JE 007. Turkey. Collected July 22, 1981. Farm,
Akanyaylasi, 20km SW of Aksaray, Nigde Province. 880M.
Lat. 38 deg. 20' N, Long. 33 deg. 50' E. Primitive
Cultivar. Seed.

464734. JE 009. Turkey. Collected July 23, 1981. Farm, Dirkalan,
20km N of Kayseri, Kayseri Province. 1050M. Lat. 38 deg.
45' N, Long. 35 deg. 32' E. Kayseri alfalfa. Stem
nematodes and dodder in fields. Wild. Seed.

464735. JE 010. Turkey. Collected July 23, 1981. Farm, Dirkalan,
20km N of Kayseri, Kayseri Province. 1050M. Lat. 38 deg.
45' N, Long. 35 deg. 32' E. Kayseri alfalfa. Stem
nematodes and dodder in fields. Wild. Seed.


464730 to 464799—continued


464749. JE 037. Turkey. Collected July 29, 1981. Farm, 2km SW of Bitlis, Bitlis Province. 1100M. Lat. 38 deg. 20' N, Long. 42 deg. 05' E. Plants ascending, highly branched. Leaves small. Primitive Cultivar. Seed.


464754. JE 047. Turkey. Collected July 30, 1981. Farm, Gokyazi, 40km E of Mus, Mus Province. 1240M. Lat. 38 deg. 40' N, Long. 41 deg. 55' E. Primitive Cultivar. Seed.


464756. JE 049. Turkey. Collected July 31, 1981. Roadbank, 5km W


464761. JE 060. Turkey. Collected August 01, 1981. Farm, Ercek, 27km NE of Van, road to Ozalp, Van Province. 1770M. Lat. 38 deg. 40' N, Long. 43 deg. 40' E. Plants ascending, branched. Alfalfa weevil problems each year. Stands last up to 40 years. Primitive Cultivar. Seed.


464764. JE 063. Turkey. Collected August 01, 1981. Farm, Dorutay, 27km NE of Ozalp, Van Province. 2000M. Lat. 38 deg. 50' N, Long. 44 deg. 05' E. Primitive Cultivar. Seed.

464765. JE 066. Turkey. Collected August 01, 1981. Farm, Gonderme, 15km N of Muradiye, Van Province. 1880M. Lat. 39 deg. 05' N, Long. 43 deg. 45' E. Said to be from Iran about 60 years ago. Plants mostly erect. Local name Iranian alfalfa. Primitive Cultivar. Seed.

464766. JE 067. Turkey. Collected August 01, 1981. Farm,


**464770. JE 072. Turkey. Collected August 02, 1981. Roadside, Bozyaka, 23km NW of Ercis, Var Province. 1810M. Lat. 39 deg. 05' N, Long. 43 deg. 20' E. Flowers purple. Pods coiled. Wild. Seed.**

**464771. JE 074. Turkey. Collected August 02, 1981. Farm, Bozyaka, 23km NW of Ercis, Van Province. 1810M. Lat. 39 deg. 05' N, Long. 43 deg. 20' E. Kayseri alfalfa. Wild. Seed.**

**464772. JE 075. Turkey. Collected August 02, 1981. Farm, Dedeli, 21km SE of Patnos, Agri Province. 1700M. Lat. 39 deg. 15' N, Long. 43 deg. 05' E. Stand 30 years old. Many alfalfa weevil adults collected under hard-rolled bales. Primitive Cultivar. Seed.**


464781. JE 102. Turkey. Collected August 04, 1981. Farm, 48km E of Igdir, Kars Province. 760M. Lat. 39 deg. 53' N, Long. 44 deg. 30' E. One farmer said similar to Kayseri, another said introduced from Russia 15 to 20 years ago. Possibly salt tolerant. Stands last 6 to 7 years. Primitive Cultivar. Seed.


464784. JE 128. Turkey. Collected August 06, 1981. Roadside, 10km W of Horasan, Erzurum Province. 1560M. Lat. 40 deg. 05' N, Long. 42 deg. 07' E. Single plant, growing among M. sativa subsp. caerulea types. Stems ascending to 1.5m.


JE 147. Turkey. Collected August 08, 1981. Hilly rangeland, 3km SW of Askale, Erzurum Province. 1710M. Lat. 39 deg. 55' N, Long. 40 deg. 40' E. Plants smaller and not as coarse as Kayseri. Stands last 10 to 15 years. Primitive Cultivar. Seed.


JE 166. Turkey. Collected August 09, 1981. Farm, Yurtbasi, 14km E of Refahiye, Erzincan Province. 1720M. Lat. 39 deg. 53' N, Long. 38 deg. 53' E. Stems fine. Stands last more than 15 years. Primitive Cultivar. Seed.


464800 TO 464814. Medicago sativa subsp. x varia (Martyn) Arc. (Fabaceae).

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.

Received August 1981.


464803. JE 113. Turkey. Collected August 05, 1981. Roadbank, 5km SW of Arpacay, Kars Province. 1620M. Lat. 40 deg. 45' N, Long. 43 deg. 20' E. Plants ascending, to 0.5m tall. Flowers purple. Pods C-shaped. Wild. Seed.


464808. JE 125. Turkey. Collected August 06, 1981. Roadside, 14km SW of Selim, Kars Province. 1940M. Lat. 40 deg. 23' N, Long. 42 deg. 40' E. Plants ascending to 0.5m tall. Flowers small, purple. Pods C-shaped. Wild. Seed.


464813. JE 179. Turkey. Collected August 10, 1981. Roadside, 7 km E of Yozgat, Yozgat Province. 1250M. Lat. 39 deg. 53' N, Long. 34 deg. 55' E. Flowers predominantly purple, a few with light yellow to variegated to white flowers. Pods C-shaped to loosely coiled (1.5 coils). Wild. Seed.


464815 TO 464816. Medicago truncatula Gaertn. (Fabaceae) Barrelclover. From Turkey. J. H. Elgin, Jr., R. H. Batcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada. Received August 1981.


464817 TO 464819. Onobrychis sp. (Fabaceae). From Turkey. J. H. Elgin, Jr., R. H. Batcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada. Received August 1981.


464819. JE 085. Turkey. Collected August 02, 1981. Steep
464817 TO 464819—continued
roadbank, 20km N of Agri, Agri Province. 1750M. Lat. 39 deg. 50' N, Long. 43 deg. 10' E. Pods without spines. Wild. Seed.

464820. Sanguisorba minor Scop. (Rosaceae) Small burnet.

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada. Received August 1981.


464821 TO 464827. Trigonella sp. (Fabaceae).

From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada. Received August 1981.


464824. JE 095. Turkey. Collected August 03, 1981. Subirrigated flatland, 14km N of Dogubayazit, Agri Province. 1430M. Lat. 39 deg. 35' N, Long. 44 deg. 05' E. Single plant to 1.5m tall. Stems and leaves large. Flowers very light yellow to white. Pods large, 4-5cm long. Possibly salt tolerant. Wild. Seed.


464828. Trigonella schlumbergeri Boiss. (Fabaceae).
From Turkey. J. H. Elgin, Jr., R. H. Ratcliffe & E. Small, USDA Field Crops Laboratory & Biosystematics Research Institute, Agriculture Canada, Maryland, USA & Ontario, Canada.
Received August 1981.

464829 to 464836. Phaseolus vulgaris L. (Fabaceae) Garden bean.
From Bulgaria. G. A. White and N. Christova, Germplasm Resources Lab., USDA, and Institute of Plant Introduction & Genetic Resources, Beltsville, Maryland, USA, and Sadovo, Plovdiv.
Received November 1981.
464829 TO 464836-continued

464835. Bulgaria. Garden, Bozhentzi. Plants pole type. Seed two
 tone on extended eye pattern, maroon on white, medium-
large. Selected from a single bulk sample. Cultivated.
Landrace. Seed.

mottled, light red on beige, medium-large. Selected from

From France. UNISIGMA, Gie de Recherche et Selection, 60480-
Froissy.
Received December 1981.

'Cabro'. Six row type. Scald resistant. Winter Annual.
Cultivar. Seed.

464838 TO 464842. Gossypium australe F. Muell. (Malvaceae).
From Australia. J. M. Stewart, USDA, Dept. of Plant & Soil
Science, University of Tennessee, Knoxville, TN.
Received December 1981.

464838. JMS 9. Australia. Collected August 30, 1981. NE 0.5km of
Kimbolton Homestead, Yampi Peninsula, Western Australia.
Leaves and stems pubescent. Drought tolerant. Seeds wind

roadside, 1 km W of Derby, Western Australia. Drought
tolerant. Seeds wind dispersed. Local name Hibiscus.

Roadside, Stuart Hwy, 33km S of Larrimah, Northern

Roadside, Stuart Hwy, 1 km S of Three-Way, Northern

464842. JMS 42. Australia. Collected September 22, 1981.
Roadside, Tanami Rd 8km from junction with Stuart Hwy, NE
464843. Gossypium bickii Prokhanov (Malvaceae).

From Australia. J. M. Stewart, USDA, Dept. of Plant & Soil Science, University of Tennessee, Knoxville, TN.
Received December 1981.


464844. Gossypium costulatum Todaro (Malvaceae).

From Australia. J. M. Stewart, USDA, Dept. of Plant & Soil Science, University of Tennessee, Knoxville, TN.
Received December 1981.


464845 TO 464848. Gossypium hirsutum L. (Malvaceae) Upland cotton.

From Australia. J. M. Stewart, USDA, Dept. of Plant & Soil Science, University of Tennessee, Knoxville, TN.
Received December 1981.


464849 TO 464850. Gossypium nelsonii Pryxell (Malvaceae).

From Australia. J. M. Stewart, USDA, Dept. of Plant & Soil Science, University of Tennessee, Knoxville, TN.
Received December 1981.


Gossypium pilosum Fryxell (Malvaceae).

From Australia. J. M. Stewart, USDA, Dept. of Plant & Soil Science, University of Tennessee, Knoxville, TN.
Received December 1981.


Gossypium populifolium (Benth.) F. Muell. (Malvaceae).

From Australia. J. M. Stewart, USDA, Dept. of Plant & Soil Science, University of Tennessee, Knoxville, TN.
Received December 1981.


464852 TO 464857-continued
from which stems develop during the wet and die back during the dry periods. Perennial Herb. Wild. Seed.


464857. JMS 27. Australia. Collected September 08, 1981. East, 3.2km of Mitchell River Station, Kimberly, Western Australia. Tolerant to extremes in moisture. Lignotubers present from which stems develop during the wet and die back during the dry periods. Perennial Herb. Wild. Seed.


From Australia. J. M. Stewart, USDA, Dept. of Plant & Soil Science, University of Tennessee, Knoxville, TN.
Received December 1981.


464859 TO 464860. Gossypium sturtianum var. nandewarensense (Derera) Fryxell (Malvaceae).

From Australia. J. M. Stewart, USDA, Dept. of Plant & Soil Science, University of Tennessee, Knoxville, TN.
Received December 1981.


464861 TO 464863. Gossypium sturtianum var. sturtianum J. H. Willis (Malvaceae).

From Australia. J. M. Stewart, USDA, Dept. of Plant & Soil Science, University of Tennessee, Knoxville, TN. Received December 1981.


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