

Plant Inventory No. 185

UNITED STATES DEPARTMENT OF AGRICULTURE
Washington, D.C., September 1981



PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1977
(Nos. 414156 to 420806)

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This inventory, No.185, lists the plant material (Nos. 414156 to 420806) received by the Germplasm Resources Laboratory, Plant Genetics and Germplasm Institute, Science and Education Administration, during the period from January 1 to December 31, 1977. The inventory is a historical record of plant material introduced by Departmental and other specialists and is not to be considered as a list of plant material for distribution

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

GEORGE A. WHITE
Agriculturalist

Northeastern Region
Agricultural Research Center-West
Beltsville, Maryland 20705

HOWARD L. HYLAND
Agriculturalist (Retired)

414156 to 414187

From United States. Seed held by Regional Plant Introduction Station, Iowa State University, Ames, Iowa. Numbered January 17, 1977.

- 414156.** CRAMBE ABYSSINICA Hochst. ex R. E. Fries Brassicaceae. Crambe.
A-1657. From volunteer plant found in a field after 4 years of noncrop fallow at the Regional Plant Introduction Station, Washington State University, Pullman, Washington.
- 414157 to 414159.** CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.
- 414157.** A-1692. 'Double Yield'. National Seed Storage Laboratory Serial #65914, CS-149. Received from Gill Brothers Seed Company, Portland, Oregon. Cultivated.
- 414158.** A-1690. 'Maile'. Received December 1975 from J. C. Gilbert, Department of Horticulture, University of Hawaii, Honolulu, Hawaii. Open-pollinated, slicer variety. Resistant to WM-2. Released by University of Hawaii under Selection 75-A-16. Cultivated.
- 414159.** A-1691. 'Lehua No. 1'. Received December 1975 from J. C. Gilbert, Department of Horticulture, University of Hawaii, Honolulu, Hawaii. Hybrid variety. Resistant to WMV-2. Cultivated.
- 414160 to 414174.** LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.
- 414160.** A-1701. V 593. V 543 × 'Tuckqueen'. V 543 = (('Prince Borghese' × *L. peruvianum*) × 'Pan America') × ('Vetomold' × V 473). Resistant to *Botrytis*. Received March 1976 from E. A. Kerr, Horticultural Experiment Station, Simcoe, Ontario, Canada. Cultivated.
- 414161.** A-1714. V 543. (('Prince Borghese' × *L. peruvianum*) × 'Pan America') × ('Vetomold' × V 473). Resistant to *Botrytis*. Received March 1976 from E. A. Kerr, Horticultural Experiment Station, Simcoe, Ontario, Canada. Cultivated.
- 414162.** A-1659. Native cultivar. Zocato. Received April 1975 from Ing. Fidel Lopez, Instituto Nacional de Investigaciones Agricolas, Celaya, Mexico, through P. G. Smith, Department of Vegetable Crops, University of California, Davis, California. Originally from Yucatan, Mexico. Cultivated.
- 414163.** A-1660. Native cultivar. Manzanita. Received April 1975 from Ing. Fidel Lopez, Instituto Nacional de Investigaciones Agricolas, Celaya, Mexico, through P. G. Smith, Department of Vegetable Crops, University of California, Davis, California. Originally from Sinaloa, Mexico. Cultivated.
- 414164.** A-1662. TC 72-11329. Received April 1975 from Ing. Fidel Lopez, Instituto Nacional de Investigaciones Agricolas, Celaya, Mexico, through P. G. Smith, Department of Vegetable Crops, University of California, Davis, California. Originally from Valle Nacional, Oaxaca, Mexico. Cultivated.
- 414165.** A-1663. TC 72-11430. Received April 1975 from Ing. Fidel Lopez, Instituto Nacional de Investigaciones Agricolas, Celaya, Mexico, through P. G. Smith, Department of Vegetable Crops, University of California, Davis, California. Originally from Valle Nacional, Oaxaca, Mexico. Cultivated.

414156 to 414187—Continued**414160 to 414174—Continued**

414166. A-1706. 'Doneckij'. 3/2-1. Received October 1973 from Union of Soviet Socialist Republics. Cultivated.
414167. A-1707. 'Kross'. 151/49. Received October 1973 from Union of Soviet Socialist Republics. Cultivated.
414168. A-1708. 'Kross'. 606/1706. Received October 1973 from Union of Soviet Socialist Republics. Cultivated.
414169. A-1709. 'Surpriz'. 540. Received October 1973 from Union of Soviet Socialist Republics. Cultivated.
414170. A-1710. 'Kolhoznyj'. 34. Received October 1973 from Union of Soviet Socialist Republics. Cultivated.
414171. A-1711. 'Nevskil'. Received October 1973, Leningrad, Union of Soviet Socialist Republics. Cultivated.
414172. A-1712. 'Kubansky stambovoiz'. 220. Received October 1973 from Union of Soviet Socialist Republics. Cultivated.
414173. A-1713. 'Podarok'. 105. Received October 1973, Crimea, Union of Soviet Socialist Republics. Cultivated.
414174. A-1658. Collected 1966 by P. G. Smith, Vegetable Crops Department, University of California, Davis, California. Private residence, Quincemil, Peru. Cherry type, elongated fruit.

- 414175 to 414187. ZEA MAYS. L. Gramineae. **Corn.**
414175. A-1643. 'Rhode Island Double White Cap'. Presented March 1975 by R. L. Johnston, Jr., Johnny's Selected Seeds, North Dixmont, Maine. Originally from Dr. Sheehan, University of Rhode Island, Kingston, Rhode Island. Flint type. Seed and cob white. Ears 6 to 22 cm long, 8 rows of kernels. Cultivated.
414176. A-1631. 'Little Briton'. Presented May 1974 by N. R. Funk, Carbondale, Illinois. Dent type. Kernels long, slender, yellow and red-orange, cob red. Exhibits vigorous germination, rapid early growth, and early maturity. Ears 10 to 20 cm long, 14 to 24 rows of kernels. Adapted to wet soil. Cultivated.
414177. A-1641. 'Argentine Pop'. No. 1860. Presented October 1974 by G. W. Beadle, 5533 Dorchester, Chicago, Illinois. Will cross with some yellow-kerneled types but will not segregate for white. Pearl type with white and yellow cob. Ears 5 to 10 cm long, 12 to 14 rows of kernels. Cultivated.
414178. A-1449. 'Breve Padilla White'. Presented February 1974 by R. C. Mauldin, Southwestern Seed Service Laboratory, Waco, Texas. Dent type, white and pink kernels, red cob. Ears 7 to 20 cm long, 12 to 14 rows of kernels. Cultivated.
414179. A-1639. 'Gourdseed'. Presented October 1974. by R. C. Mauldin, Southwestern Seed Service Laboratory, Waco, Texas. Originally from Ennis, Texas. Dent type, kernels yellow, red cob. Ears 10 to 15 cm long, 14 to 18 rows of kernels. Cultivated.

414156 to 414187—Continued**414175 to 414187—Continued**

414180. A-1640. 'Rio Padilla'. Presented December 1974 by R. C. Mauldin, Southwestern Seed Service Laboratory, Waco, Texas. Typical of old variety 'Laguna'. Dent-flint type, white kernels, white and red cob. Ears 10 to 18 cm long, 14 to 20 rows of kernels. Cultivated.
414181. A-1642. 'Texas Honey June'. Presented June 1972 by R. C. Mauldin, Southwestern Seed Service Laboratory, Waco, Texas. 'Laguna White' × unknown sweet corn variety. Originated 1928 by P. C. Mangelsdorf, Texas A & M University. Flint type, white kernels and cob. Ear 10 to 18 cm long, 16 to 18 rows of kernels. Cultivated.
414182. A-1687. Presented September 1975 by R. C. Mauldin, Southwestern Seed Service Laboratory, Waco, Texas. Native Texas dent type. Originally from Ross, Texas. Dent-calico type with white, yellow and red kernels, red cob. Ears 10 to 17 cm long, 12 to 14 rows of kernels. All kernels received are white but reported to segregate to give strawberry and dark red kernels. Cultivated.
414183. A-1689. 'Gourdseed'. Presented September 1975 by R. C. Mauldin, Southwestern Seed Service Laboratory, Waco, Texas. Selected for kernel type. Dent type, yellow kernels, red cob. Ears 10 to 15 cm long, 16 to 20 rows of kernels. Cultivated.
414184. A-1702. 'Strawberry Dent'. Presented March 1976 by R. C. Mauldin, Southwestern Seed Service Laboratory, Waco, Texas. Originally from Ross, Texas. Dent-calico type with white, yellow and red kernels, red and white cob. Ears 10 to 15 cm long, 12 to 14 rows of kernels. Cultivated.
414185. A-1664. 'Old Wisconsin Red.' Presented May 1975 by V. A. Marquart, Markeson, Wisconsin, through Howard Peterson, North St. Paul, Minnesota. Dent type, red and yellow kernels, cob red. Ears 10 to 20 cm long, 10 to 18 rows of kernels. Cultivated.
414186. A-1656. 'Nagel White Dent'. Presented March 1975 by D. B. Shank, Department of Plant Science, South Dakota State University, Brookings, South Dakota. Brought to Potter County, South Dakota, by the Nagel family who migrated from Holstein, Iowa, about 1900. Selected for very adverse weather conditions. Cultivated.
414187. 'Misener'. Presented May 1972 by H. C. Misener, Mt. Vernon, Missouri, through M. S. Zuber, Department of Agronomy, University of Missouri, Columbia, Missouri. Tall, dark green plant, often having two ears per stalk. Sixty-day corn, yields well in late plantings. Open pollinated. Good silage corn. Brought from Tennessee to Missouri about 1870 but grown in Tennessee by the Misener family before that date. Cultivated.

414188 to 414205.

From United States. Seed received 1975-1976 from Plant Introduction Station, Glen Dale, Maryland, and increased by Regional Plant Introduction Station, Iowa State University, Ames, Iowa. Numbered January 17, 1977.

414188 to 414205—Continued

414188 and 414189. *ANETHUM GRAVEOLENS* L. Apiaceae.

414188. A-1667. B-49771. Original seed from herb garden, Division of Tobacco, Medicinal and Special Crops, Plant Industry Station, Beltsville, Maryland. Cultivated.

414189. A-1668. B-51657. Original seed collected June 1958 in bazaar, Cairo, Egypt, by P. F. Knowles, Department of Agronomy, University of California, Davis, California. Cultivated.

414190 to 414192. *FOENICULUM VULGARE* Mill. Apiaceae. **Fennel.**

414190. A-1672. B-49857. Original seed from herb garden, Division of Tobacco, Medicinal and Special Crops, Plant Industry Station, Beltsville, Maryland. Cultivated.

414191. A-1673. B-49858. 'Dulce'. Original seed from herb garden, Division of Tobacco, Medicinal and Special Crops, Plant Industry Station, Beltsville, Maryland. Cultivated.

414192. A-1674. B-55651. Purchased in 1963 from Bolgiano Seed Company, Washington, D.C. Cultivated.

414193 to 414200. *OCIMUM BASILICUM* L. Lamiaceae. **Basil.**

414193. A-1681. B-49939. Small leaf, sweet basil. 1952. Original seed from herb garden, Division of Tobacco, Medicinal and Special Crops, Plant Industry Station, Beltsville, Maryland.

414194. A-1693. Sweet basil. Bush, green.

414195. A-1694. Bush, purple.

414196. A-1695. Bush, green.

414197. A-1696. Scented basil.

414198. A-1697. Bush, purple.

414199. A-1698. Bush, green.

414200. A-1699. Sweet, basil.

414201 to 414204. *OCIMUM GRATISSIMUM* L. **Basil.**

414201. A-1675. B-49933. Sweet basil. 1953. Original seed from herb garden, Division of Tobacco, Medicinal and Special Crops, Plant Industry Station, Beltsville, Maryland.

414202. A-1676. B-49934. Sweet basil. 1954. Original seed from herb garden, Division of Tobacco, Medicinal and Special Crops, Plant Industry Station, Beltsville, Maryland.

414203. A-1677. B-49935. Sweet basil. 1955. Original seed from herb garden, Division of Tobacco, Medicinal and Special Crops, Plant Industry Station, Beltsville, Maryland.

414204. A-1678. B-49936. East Indies basil. 1956. Original seed from herb garden, Division of Tobacco, Medicinal and Special Crops, Plant Industry Station, Beltsville, Maryland.

414205. *OCIMUM KILIMANDSCHARICUM* Gurcke **Hairy basil.**

A-1680. B-49937. Camphor basil. 1956. Original seed from herb garden, Division of Tobacco, Medicinal and Special Corps, Plant Industry Station, Beltsville, Maryland. Cultivated.

414206. CIL 10-14. TRIFOLIUM UNIFLORA L. Fabaceae.

From Turkey. Seed presented by Administrator, Ege Regional Agricultural Research Institute, Menemen/Izmir. Received December 15, 1975.

ARIC 5916-66.

414207. CIL 10-14. HORDEUM sp. Poaceae.

From Argentina. Seed collected by M.W. Pedersen, Department of Plant Sciences, Utah State University, Logan, Utah. Received January 17, 1977.

Thirty-five km east of Pedro Luro. Perennial, 45 cm tall. In meadows and along roadside. Elevation 24 m. Wild.

414208 and 414209. LUPINUS LUTEUS L. Fabaceae. Yellow lupine.

From Union of Soviet Socialist Republics. Seed presented by the N.I. Vavilov Institute of Plant Industry, Leningrad. Received November 3, 1976.

414208. VIR 1509. 'Bystrorastuscij 4'. Brianski Region.

414209. VIR 1947. 'Akademicskij 1'. Mogiliov Region.

414210 to 414241. ORYZA SATIVA L. Poaceae.**Rice.**

From Philippines. Seed presented by International Rice Research Institute, Manila.

Received December 13, 1976.

414210. IRRI 156. H 5.

414211. IRRI 178. Ram Tulasi selection.

414212. IRRI 3390. 79.

414213. IRRI 3747. S 12 OZK.

414214. IRRI 4089. J 519.

414215. IRRI 4217. Laka.

414216. IRRI 4804. Badshabbag (Scented).

414217. IRRI 5472. Simpangan Kuning.

414218. IRRI 5827. Macan Tago.

414219. IRRI 5881. 818-3 B R 9.

414220. IRRI 6264. N 22.

414221. IRRI 6274. PTB 9.

414222. IRRI 6301. PTB 26.

414223. IRRI 6378. Slo 16.

414224. IRRI 6433. T 23.

414225. IRRI 6804. D 44-1.

414226. IRRI 7366. See also P.I. 184675-2.

414227. IRRI 7623. 268b/Pr/8/1/1.

414228. IRRI 7802. Dissi Hatif (DH2).

414229. IRRI 8256. Surjamkuhi.

414230. IRRI 8288. Td 58.

414231. IRRI 8294. Td 68.

414232. IRRI 8350. Pusur (Aus).

414233. IRRI 8463. DJ 101.

414234. IRRI 8596. DL 9

414235. IRRI 8645. DD 91.

414236. IRRI 9012. Soavina.

414210 to 41421—Continued

414237. IRRI 11146. Mekeo White.

414238. IRRI 19293. Colombia 1.

414239. IRRI 19294. Colombia 2.

414240. IRRI 19295. Colombia 3.

414241. IRRI 24443. Pah Leuad.

414242 LUPINUS POLYPHYLLUS Lind. Fabaceae.**Washington lupine.**

From New Zealand. Seed presented by N. C. Lambrechtsen, National Plant Materials Centre, Ministry of Works and Development, Palmerston North. Received December 14, 1976.

PMC 745. Originally collected 1967 from West Germany by C. W. S. van Kraayenoord.

414243. ASTRAGALUS BOETICUS L. Fabaceae. Milkvetch.

From France. Seed presented by W. Hondelmann, Gene Bank, Institut Pflanzenbau FAL. Braunschweig, Germany. Received November 26, 1976.

Jardin Botanique de Dijon, Dijon.

414244. MANIHOT WALKERAE Croizat Euphorbiaceae.

From United States. Seed collected September-October 1976 by W. V. Brown, Department of Botany, University of Texas, Austin, Texas. Received November 26, 1976.

Plants growing on campus. Originally from La Joya, Hidalgo County, Texas.

414145 to 414252. PAPAVER SOMNIFERUM L. Papaveraceae.**Opium poppy.**

From Bulgaria. Seed presented October 1976 by the Agricultural Experimental Station, Sadove. Numbered December 13, 1976.

414245. UNL-127. P. 360. Seed blue.

414246. UNL-128. S. 230. Seed white.

414247. UNL-129. S. 188. Seed white.

414248. UNL-130. Flora II. Originally from Sweden. Seed blue.

414249. UNL-131. No. 97. Originally from Greece. Seed blue.

414250. UNL-132. No. 94. Originally from Greece. Seed blue.

414251. UNL-133. HD. Originally from Czechoslovakia. Seed blue.

414252. UNL-134. Azur. Originally from Czechoslovakia. Seed blue.

414253. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.

From Belgium. Seed presented August 1976 by Cl. Van Moorlegem, Bios Coutelier S. A., Chaussee de Louvain. Numbered December 13, 1976.

UNL-125 (UNS-190). Nil St. Vincent, Brabant. Seed blue.

414254. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.

From Egypt. Seed presented October 1976 by H. El-Hakim, General Administration of Pharmacy, Ministry of Health, Cairo. Numbered December 13, 1976.

UNL-135. Grown from UNL-47 from Turkey. Seed blue.

414255 PAPAVER SOMNIFERUM L. Papaveraceae. Opium Poppy.
From England. Seed presented June 1976 by Kluman and Balter Limited, Kaybee House, London. Numbered December 13, 1976.

UNL-114 (UNS-175). Originally from The Netherlands. Seed blue.

414256 to 414259. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.

From England. Seed presented June 1976 by Mardorf, Peach and Company, Limited, London. Numbered December 13, 1976.

414256. UNL-110 (UNS-171). Originally from Australia. Seed and flower blue.

414257. UNL-111 (UNS-172). Originally from Romania. Seed and flower blue.

414258. UNL-112 (UNS-173). Originally from The Netherlands. Seed and flower blue.

414259. UNL-113 (UNS-174). Originally from The Netherlands. Seed blue.

414260. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy
From Hungary. Seed presented March 1974 by G. V. Petri, Institut de Matiere Medicale, Budapest. Numbered December 13, 1976.

UNL-14 (UNS-1). Seed blue.

414261. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.
From Hungary. Seed presented July 1974 by I. Bayer, National Institute of Pharmacy, Budapest. Numbered December 13, 1976.

UNL-17 (UNS-4). Seed blue.

414262 and 414263. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.

From Hungary. Seed presented December 1975 by P. Tetenyi, Institut de Recherche sur les Plantes Medicinales, Budakalasz. Numbered December 13, 1976.

414262. UNL-107 (UNS-130). Kek Duna. Seed Blue.

414263. UNL-108 (UNS-131). Kompolti M. Seed blue.

414264 to 414266. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.

From Hungary. Seed presented April 1974 by Orszagos Mezogazdasagi Fajtakiserleti Intezet, Budapest. Numbered December 13, 1976.

414264. UNL-19 (UNS-7). BC 2. Seed blue.

414265. UNL-20 (UNS-8). Ket Duna. Seed blue.

414266. UNL-21 (UNS-9). Komplot M. Seed blue.

414267. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.
From Germany. Seed presented April 1974 by Ernst Benary, Hann Munden. Numbered December 13, 1976.

UNL-18 (UNS-6). Cultivation No. S 596. Double carnation mixed.

414268 to 414277.

From Poland. Seed presented July 1976 by the Poland Ministry of Agriculture, Department of Plant Production and Plant Protection, Warsaw. Numbered December 13, 1976.

414268 to 414276. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.

414268. UNL-116 (UNS-181). Modran. Originally from Czechoslovakia. Seed blue. Received as *P. somniferum* var. *caesium*.
414269. UNL-117 (UNS-182). Marianna. Originally from The Netherlands. Seed blue. Received as *P. somniferum* var. *caesium*.
414270. UNL-118 (UNS-183). Start. Originally from the Union of Soviet Socialist Republics. Seed blue. Received as *P. somniferum* var. *caesium*.
414271. UNL-119 (UNS-119). Neuga. Originally from the Deutsche Democratic Republic. Seed blue. Received as *P. somniferum* var. *caesium*.
414272. UNL-120 (UNS-185). Originally from the Union of Soviet Socialist Republics. Seed blue. Received as *P. somniferum* var. *caesium*.
414273. UNL-121 (UNS-186). Ket Duna. Originally from Hungary. Seed blue. Received as *P. somniferum* var. *caesium*.
414274. UNL-122 (UNS-187). S-141 Seed blue. Received as *P. somniferum* var. *caesium*.
414275. UNL-123 (UNS-188). Niebieski KM IRAR. Seed blue. Received as *P. somniferum* var. *caesium*.
414276. UNL-124 (UNS-189). Goluboj Jubilennyj. Seed blue. Received as *P. somniferum* var. *caesium*.
414277. PAPAVER SOMNIFERUM var. ALBUM DC.
UNL-115 (UNS-180). Pulawski Bialy. Seed white.
- 414278 to 414301. PAPAVER SOMNIFERUM L. Papaveraceae.

Opium poppy.

From Sweden. Seed presented May-November 1975 by Dr. Ove Hall. Biochemical Department Sveriges Utsadesforening, Svalov, Shane. Numbered December 13, 1976.

414278. UNL-60 (UNS-54). Merzifon. Seed blue.
414279. UNL-61 (UNS-55). Indra. Seed blue.
414280. UNL-62 (UNS-56). Flora II. Seed blue.
414281. UNL-63 (UNS-57). Hohenheimer Blauer. Seed blue.
414282. UNL-64 (UNS-58). Mahndofer Blausamiger. Seed blue.
414283. UNL-65 (UNS-59). Eckendorfer Blausamiger. Seed blue.
414284. UNL-66 (UNS-60). Scheibes Olmohn. Seed blue.
414285. UNL-67 (UNS-61). Prohaska Blau. Seed blue.
414286. UNL-68 (UNS-62). Schuttmohn Weiss. Seed yellow.
414287. UNL-69 (UNS-63). Hannacky Modry. Seed blue.
414288. UNL-70. (UNS-64). Vahovecky. Seed blue.
414289. UNL-71 (UNS-65). Selecty Stribrosedy. Seed blue.
414290. UNL-73 (UNS-67). Zwettleruv Sedy Krojovy. Seed blue.
414291. UNL-74 (UNS-68). Pulawski Niebieski. Seed blue.
414292. UNL-75 (UNS-69). Pulawski. Seed blue.
414293. UNL-76 (UNS-70). Taborsky. Seed blue.
414294. UNL-77 (UNS-71). Nobel. Seed blue.
414295. UNL-78 (UNS-72). Bernburg. Seed blue.

414278 to 414303—Continued

414296. UNL-79 (UNS-73). Bialy. Seed yellow.
 414297. UNL-80 (UNS-74). Baily Oleisty. Seed yellow.
 414298. UNL-81 (UNS-75). Om. Seed yellow.
 414299. UNL-82 (UNS-76). Clumechy. Seed yellow.
 414300. UNL-83 (UNS-77). Azur. Seed blue.
 414301. UNL-84 (UNS-78). Pulawsky Bily. Seed yellow.

414302 to 414319. PAPAVER SOMNIFERUM L. Papaveraceae.**Opium poppy.**

From Turkey. Seed presented October 1975 by M. Isikan, Department of Industrial Crops, Ziraat Fakultesi Endustri, Ankara University, Ankara. Numbered December 13, 1976.

414302. UNL-85 (UNS-108). Sazi yellow.
 414303. UNL-86 (UNS-109). Sazi yellow.
 414304. UNL-87 (UNS-110). Bejar white.
 414305. UNL-88 (UNS-111). Pembe.
 414306. UNL-89 (UNS-112). Gri.
 414307. UNL-94 (UNS-117). Tarim 1. Seed white.
 414308. UNL-95. (UNS-118). Tarim 2. Seed white.
 414309. UNL-96 (UNS-119). Tarim 3. Seed yellow.
 414310. UNL-97 (UNS-120). Tarim 4. Seed yellow.
 414311. UNL-98 (UNS-121). Tarim 5. Seed yellow.
 414312. UNL-99 (UNS-122). Tarim 6. Seed yellow.
 414313. UNL-100 (UNS-123). Tarim 7. Seed yellow.
 414314. UNL-101 (UNS-124). Tarim 8. Seed white.
 414315. UNL-102 (UNS-125). Tarim 9. Seed white.
 414316. UNL-103 (UNS-126). Tarim 10. Seed brown.
 414317. UNL-104 (UNS-127). Tarim 11. Seed brown.
 414318. UNL-105 (UNS-128). Tarim 12. Seed pink.
 414319. UNL-106 (UNS-129). Tarim 13. Seed blue.

414320. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.

From Switzerland. Seed presented by W. Micuta, Narcotic Division, Palais des Nations, Geneva. Numbered December 13, 1976.

UNL-23 (UNS-15). Originally from Turkey. Seed white.

414321. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.

From Switzerland. Seed presented April 1974 by G. R. Vater A. G., Sagestrasse 65, Konig/Bern. Numbered December 13, 1976.

UNL-16 (UNS-3). Originally from Germany. Seed blue.

414322 and 414323. PAPAVER SOMNIFERUM L. Papaveraceae.**Opium poppy.**

From Spain. Seed presented April 1974 by Octavio Aguar, Direccion General de Sanidad, General Mola, Madrid. Numbered December 13, 1976.

414322. UNL-22 (UNS-13). El Pardo and Valdemorillo, 40 km from Madrid.

414322 to 413323—Continued

414323. UNL-109 (UNS-133). El Pardo and Valdemorillo, 40 km from Madrid.
Seed blue.

414324. PAPAVER SOMNIFERUM L. Papaveraceae **Opium poppy.**
From United States. Seed presented October 1976 by Louis Furth, Inc., 170 Stewart
Avenue, Brooklyn, New York. Numbered December 13, 1976.

UNL-126 (UNS -200). Originally from Australia. Seed blue.

414325. PAPAVER SOMNIFERUM L. Papaveraceae. **Opium poppy.**
From United States. Seed received October 1975 by Plant Introduction and Nar-
cotics, United States Department of Agriculture, Agricultural Research Center,
Beltsville, Maryland. Numbered December 13, 1976.

UNL-90 (UNS-113). S-188/135. Originally from Bulgaria.

414326 to 414329.

From South Africa. Plant material collected February-April 1976 by A. J. Oakes,
Germplasm Resources Laboratory, Agricultural Research Center, Beltsville,
Maryland, and E. C. Bashaw, Soil and Crop Sciences Department, Texas A & M
University, College Station, Texas. Numbered December 13, 1976.

414326. CENCHRUS CILIARIS L. Poaceae. **Buffelgrass.**
2769. Disturbed site, 5 km north of Potgietersrus, Transvaal. Plants.

414327. CYNODON sp. Poaceae.
Open grassland, Louis Trichardt, Transvaal. Stolons.

414328. DIGITARIA sp. Poaceae.
Open grassland, Pienaarsivier, Transvaal. Stolons.

414329. UNDETERMINED Poaceae.
Disturbed site, 5 km south of Warrenton, Cape Province, Plants.

414330. CRYPISIS sp. Poaceae.

From Israel. Seed presented by Arieh Abraham, Division of Plant Introduction,
Agricultural Research Organization, The Volcani Center, Bet-Dagan. Receiv-
ed December 1, 1976.

Collected August 1976 near Atlith.

414331 and 414332. ARACHIS HYPOGAEA L. Fabaceae. **Peanut.**
From Honduras. Seed presented by Julio Romero, Tela Railroad Research Depart-
ment, La Lima, Cortes. Received November 10, 1976.

414331. 'Resistente Corto'. 3525 F2-2-1-1-1. (F₂). Derivative of 'Florispan' ×
'Tarapoto'. Bunch type. Moderate tolerance to *Cercospora* leaf spot, good
resistance to leaf rust.

414332. 'Resistente Largo'. 3525 F₂1-3-6-1. (F₂). Derivative of 'Florispan' ×
'Tarapoto'. Bunch type. Moderate tolerance to *Cercospora* leaf spot, good
resistance to leaf rust. Larger pods and seed than P.I. 414331.

414333 to 414362. PAPAVER SOMNIFERUM L. Papaveraceae.**Opium poppy.**

From Afghanistan. Seed collected June 1976 by Dr. R. Cornelius, Agricultural
Research Officer, United States Department of Agriculture, American Em-
bassy, Islamabad, Pakistan. Numbered November 17, 1976.

414333 to 414362—Continued

414333. AF1. Kunduz Bazaar, Kunduz. Reportedly grown in Mazare Sharif. Cultivated.
414334. AF2. Kunduz Bazaar, Kunduz. Cultivated.
414335. AF3. Kunduz Bazaar, Kunduz. Reportedly grown in Jalalabad. Cultivated.
414336. AF4. Kunduz Bazaar, Kunduz. Reported grown in Jalalabad. Cultivated.
414337. AF5. Mazare Sharif Bazaar, Mazare Sharif. Cultivated.
414338. AF6. Pule Khumri Bazaar, Pule Khumri. Cultivated.
414339. AF7. Mazare Sharif Bazaar, Mazare Sharif. Cultivated.
414340. AF8. Khulm Bazaar, Khulm. Cultivated.
414341. AF9. Khulm Bazaar, Khulm. Cultivated.
414342. AF10. Mazare Sharif Bazaar, Mazare Sharif. Cultivated.
414343. AF11. Mazare Sharif Bazaar, Mazare Sharif. Cultivated.
414344. AF12. Mazare Sharif Bazaar, Mazare Sharif. Reportedly grown in Kabul. Cultivated.
414345. AF13. Kabul Bazaar, Kabul. Reportedly grown in Ghazni. Cultivated.
414346. AF14. Kabul Bazaar, Kabul. Reportedly grown in Herat. Cultivated.
414347. AF15. Kabul Bazaar, Kabul. Reportedly grown in Kandahar. Cultivated.
414348. AF16. Kabul Bazaar, Kabul. Reportedly grown in Badakhshan. Cultivated.
414349. AF17. Kabul Bazaar, Kabul. Reportedly grown in Jalalabad. Cultivated.
414350. AF18. Charikar Bazaar, Charikar. Reportedly grown in Jalalabad. Cultivated.
414351. AF19. Kabul Bazaar, Kabul. Reportedly grown in Jalalabad. Cultivated.
414352. AF20. Kabul Bazaar, Kabul. Reportedly grown in Jalalabad. Cultivated.
414353. AF21. Jalalabad Bazaar, Jalalabad. Cultivated.
414354. AF22. Jalalabad Bazaar, Jalalabad. Cultivated.
414355. AF23. Jalalabad Bazaar, Jalalabad. Cultivated.
414356. AF24. Helmand Province Bazaar, Helmand Province. Reportedly grown in Qalai District. Cultivated.
414357. AF25. Helmand Province Bazaar, Helmand Province. Reportedly grown in Sangin. Cultivated.
414358. AF26. Helmand Province Bazaar, Helmand Province. Reportedly grown in Nauzad. Cultivated.
414359. AF27. Helmand Province Bazaar, Helmand Province. Reportedly grown in Moosa Qala. Cultivated.
414360. AF28. Kandahar Province Bazaar, Kandahar Province. Reportedly grown in Arghandab. Cultivated.
414361. AF29. Warazgan Province Bazaar, Warazgan Province. Reportedly grown in Tirin Kot. Cultivated.

414333 to 414362—Continued

414362. AF30. Kapisa Province Bazaar, Kapisa Province. Reportedly grown in Panjshir. Cultivated.

414363 and 414364.

From Hong Kong. Vegetative plant material collected by G. W. Burton, Georgia Coastal Plains Experiment Station, Tifton, Georgia, as a member of the United States Plant Sciences Delegation, Committee on Scholarly Communication (NAS). Numbered November 22, 1976.

414363. EREMOCHLOA OPHIUROIDES (Munro) Hack. Poaceae. Centipede grass. Canton area. September 22, 1974. Wild.

414364. ZOYSIA sp. Poaceae. Canton area. September 22, 1974. Wild.

414365. TRIFOLIUM REPENS L. Fabaceae.**White clover.**

From Turkey. Seed collected October 1976 by U. S. Jones, Department of Agronomy and Soils, Clemson University, Clemson, South Carolina. Received November 1, 1976.

Gultur Motel garden, Gulluk, 100 m from Aegean seacoast. Elevation 10 m.

414366. TRIFOLIUM REPENS L. Fabaceae. White clover.

From Germany. Seed collected October 1976 by U. S. Jones, Department of Agronomy and Soils, Clemson University, Clemson, South Carolina. Received November 1, 1976.

Village of Hausen, 12 km from Shelklingen, 25 km east of Ulm. Elevation 740 m. On edge of pasture in shade of tree line. Intermediate between common white and ladino clover.

414367. PRUNUS AVIUM L. Rosaceae.

From United States. Plants held by Plant Introduction Station, Glenn Dale, Maryland. Numbered December 20, 1976.

P.I. 202119 × 186943. Seedling selection resistant to cherry leaf spot. Very vigorous. Good rootstock potential.

414368. VICIA GRAMINEA J. E. Smith Fabaceae.

From Uruguay. Seed presented by Laboratoria Botanica, Casilla Correo 1238, Montevideo. Received December 9, 1976.

Experiment Station, Cangue, Paysandu.

414369 to 414372.

From India. Seed presented by National Bureau of Plant Introduction, New Delhi, through Dave Nanda, Research Director, Pfizer Genetics, Windfall, Indiana. Received November 22, 1976.

414369. CUCURBITA sp. Cucurbitaceae. 'Ghia'. Viny plants. Fruit round, used in soups.

414370. CUCURBITA sp. 'Ghia Tori'. Viny plants, long fruits.

414369 to 414372—Continued

414371. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**

Good crop from midsummer planting. White roots, 6 to 10 inches, excellent quality.

414372. *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**

'Indian Long'. Fruits 4 to 6 inches long, 1 to 1-1/2 inches diameter.

414373. *PENNISSETUM ALOPECUROIDES* (L.) Spreng. Poaceae.

From United States. Seed held by Germplasm Resources Laboratory, Beltsville, Maryland. Numbered December 27, 1976.

BN-22746-76. Originally from Bluemont Nurseries, Inc., Monkton, Maryland.

414374. *HYMENOCALLIS DECLINATA* (Jacq.) M. Roem.

Amaryllidaceae.

From Puerto Rico. Seed collected by H. F. Winters, Germplasm Resources Laboratory, Beltsville, Maryland. Received December 16, 1976.

1741. Local name Lirio de playa. Along road to Mayaguez airport, Mayaguez.

Bulbous perennial. Flowers white with narrow segments. Cultivated.

414375. *TALINUM PANICULATUM* (Jacq.) Gaertn. Portulacaceae.

From Brazil. Seed presented by Alejo von der Pahlen, Divisao de Ciencias Agronomicas, Instituto Nacional de Pesquisas da Amazonia, Manaus. Numbered December 28, 1976.

IH-427. 'Cariru'. Labrea, Amazonas. Grown commercially as a leaf vegetable on yellow soil.

414376 and 414377. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Papua, New Guinea. Seed presented by Department of Primary Industries, Agriculture Research Center, Bubia, Lae. Received December 13, 1976.

414376. El.

414377. Paddy Gogo.

414378 to 414384.

From Japan. Seed presented by Mutsuo Moriya, Shikoku Agricultural Experiment Station, Ministry of Agriculture and Forestry, Zentsuji, Kagawa-Ken. Received January 21, 1977.

414378 and 414379. *BOENNINGHAUSENIA ALBIFLORA* (Hook.) Reichenb. Rutaceae

414378. Mt. Ohsa, 10 km south of Zentsuji, Kagawa Prefecture.

Elevation 400 m. Wild.

414379. Ohtoyo, Kochi Prefecture. Elevation 600 m. Wild.

414380. *LESPEDEZA BICOLOR* Turcz. Fabaceae. **Shrub bushclover.**

Ohtoyo, Kochi Prefecture. Elevation 300 m. Wild.

414381 to 414384. *LESPEDEZA CYRTOBOTRYA* Miquel **Bushclover.**

414381. Ohtoyo, Kochi Prefecture. Elevation 300 m. Wild.

414382. Ohtoyo, Kochi Prefecture. Elevation 600 m. Wild.

414383. Shikoku Agricultural Experiment Station, Zentsuji, Kagawa Prefecture. Elevation 200 m.

414384. Mt. Unpenji, Tokushima Prefecture. Elevation 900 m. Wild.

414385. PRUNUS PERSICA (L). Batsch Rosaceae. Peach.

From Spain. Plants presented by Arboricultura Frutal Viveros Orero, Segorbe, Castellon. Numbered January 17, 1977.

'Kiang-si'. Synonyms: 'Paraguayos' (Madrid) or 'Pavias Chinas' (Valencia). Greenish-red, flat, white-fleshed, clingstone peach.

Flesh white, sweet, fine grained, and perfumed.

414386 to 414390.

From Antigua. Seed collected by J. B. Brolmann, Agricultural Research Center, Fort Pierce, Florida. Numbered January 4, 1977.

414386. *CENTROSEMA* sp. Fabaceae.

13. Along roadside, St. Johns.

414387. *GALACTIA* sp. Fabaceae.

16. Along roadside, St. Johns.

414388. *MACROPTILIUM* sp. Fabaceae.

11. St. Johns.

414389 and 414390. *STYLOSANTHES HAMATA* (L.) Taub. Fabaceae.

414389. 14. Along roadside, St. Johns.

414390. 17. Along roadside, St. Johns.

414391 to 414403.

From Antigua. Seed presented by Dr. J. Koegham, Antigua, through J. B. Brolmann, Agricultural Research Center, Fort Pierce, Florida. Numbered January 4, 1977.

414391. *DESMANTHUS* sp. Fabaceae.

15. Co-10. Originally from Curacao Airport, Curacao.

414392. *DESMODIUM DISTORTUM* (Aubl.) Macb. Fabaceae.

10. CIAT 335. Originally from Centro Internacional de Agricultura Tropical, Cali, Colombia.

414393 and 414394. *MACROPTILIUM ATROPURPUREUM* (DC.) Urb. Fabaceae.
Siratiro.

414393. 2. Y103. Originally from Yucatan, Mexico.

414394. 3. Y50. Originally from Yucatan, Mexico.

414395 to 414403. *STYLOSANTHES HAMATA* (L.) Taub. Fabaceae.

414395. 1. Co-7. Originally from runways at Curacao Airport, Curacao.

414396. 4. AG-22. Shirley Heights.

414397. 5. BA-7. Originally from Barbuda.

414398. 6. AG-11. Shell Beach.

414399. 7. Jubberwock Beach.

41440. 8. C.P.I. 33205. Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Canberra, Australia. Originally from Guadeloupe. See also P.I. 348952.

414401. 9. AG-23. Bendals clay soil.

414402. 12. Y85. Originally from Yucatan, Mexico.

414403. 18. N-9. Originally from Pinneys, Nevis.

414404 to 414415.

From Union of Soviet Socialist Republics. Seed presented by N. I. Vavilov Institute of Plant Industry, Leningrad. Received November 16, 1975.

414404 to 414410. HORDEUM VULGARE L. Poaceae. **Barley.**

414404. VIR 21872. 'Aykhal'.

414405. VIR 21798. 'Azamat'. Tadjikistan.

414406. VIR 20934. 'Elgina'. East Germany.

414407. VIR 21791. 'Favet'. Krasnodar Territory.

414408. VIR 20920. 'Krasnoufimskij 95'. Sverdlovsk Region.

414409. VIR 20950. 'Minskij'. Byelorussia.

414410. VIR 20466. 'Pamina'. East Germany.

414411 to 414415. TRITICUM AESTIVUM L. Poaceae. **Common wheat.**

414411. VIR 45752. 'Baskirskaja 9'. Bashkiria. Spring type.

414412. VIR 48769. 'Priobskaja'. Novosibirsk Region. Spring type.

414413. VIR 47887. 'Pyrotrix 28'. Trkutsk Region. Spring type.

414414. VIR 48114. 'Saratovskaja 42'. Saratov Region. Spring type.

414415. VIR 48774. 'Ural'skaja 52'. Cheliabinsk Region. Spring Type.

414416 to 414418. ORYZA SATIVA L. Poaceae. **Rice.**

From Philippines. Seed presented by International Rice Research Institute, Manila. Received December 13, 1976.

414416. IRRI 175. Pah Leuad 29-8-111.

414417. IRRI 181. Ram Tulasi.

414418. IRRI 3700. 79.

414419 to 414535.

From South Africa. Seed presented by J. du Toit, Glen College of Agriculture, Freestate Region, through Plant Introduction Officer, Division of Plant and Seed Control, Department of Agricultural Technical Services, Pretoria. Received November 24, 1977.

414419 to 414445. ANTHEPHORA PUBESCENS Nees Poaceae.

414419. No code number. Dry seed from Mr. Speedy, Zoetvlei farm, near Vryburg, Cape Province.

414420. 0-73/159. Vaalharts selection #1. Vaalharts Research Station.

414421. 0-73/160. Vaalharts selection #2. Vaalharts Research Station.

414422. 0-73/161. Vaalharts selection #3. Vaalharts Research Station.

414423. 0-73/162. Vaalharts selection #4. Vaalharts Research Station.

414424. 0-73/163. Vaalharts selection #5. Vaalharts Research Station.

414425. 0-73/164. Vaalharts selection #6. Vaalharts Research Station.

414426. 0-73/165. Vaalharts selection #7. Vaalharts Research Station.

414427. 0-73/166. Vaalharts selection #8. Vaalharts Research Station.

414428. 0-73/167. Vaalharts selection #9. Vaalharts Research Station.

414429. 0-73/168. Vaalharts selection #10. Vaalharts Research Station.

414430. 0-73/169. Vaalharts selection #11. Vaalharts Research Station.

414431. 0-73/170. Vaalharts selection #12. Vaalharts Research Station.

414432. 0-73/171. Vaalharts selection #13. Vaalharts Research Station.

414419 to 414535—Continued**414419 to 414445—Continued**

- 414433. 0-73/172. Vaalharts selection #14. Vaalharts Research Station.
- 414434. 0-73/173. Vaalharts selection #15. Vaalharts Research Station.
- 414435. 0-73/174. Vaalharts selection #16. Vaalharts Research Station.
- 414436. 0-73/175. Vaalharts selection #17. Vaalharts Research Station.
- 414437. 0-73/176. Vaalharts selection #18. Vaalharts Research Station.
- 414438. 0-73/177. Vaalharts selection #19. Vaalharts Research Station.
- 414439. 0-73/178. Vaalharts selection #20. Vaalharts Research Station.
- 414440. 0-73/179. Vaalharts selection #21. Vaalharts Research Station.
- 414441. 0-73/180. Vaalharts selection #23. Vaalharts Research Station.
- 414442. 0-73/181. Vaalharts selection #24. Vaalharts Research Station.
- 414443. 0-73/182. Vaalharts selection #25. Vaalharts Research Station.
- 414444. 0-73/184. Vaalharts selection #27. Vaalharts Research Station.
- 414445. 0-73/185. Vaalharts selection #28. Vaalharts Research Station.

414446 to 414535. CENCHRUS CILIARIS L. Poaceae.**Buffelgrass.**

- 414446. 0-73/1. Thabazimbi.
- 414447. 0-73/2. Molopo.
- 414448. 0-73/3. Rietondale selection.
- 414449. 0-73/4. Rietondale selection.
- 414450. 0-73/5. Rietondale selection.
- 414451. 0-73/6. Rietondale selection.
- 414452. 0-73/7. Rietondale selection.
- 414453. 0-73/8. Rietondale selection.
- 414454. 0-73/9. Rietondale selection.
- 414455. 0-73/10. Rietondale selection.
- 414456. 0-73/11. Rietondale selection.
- 414457. 0-73/12. Rietondale selection.
- 414458. 0-73/13. Rietondale selection.
- 414459. 0-73/14. Rietondale selection.
- 414460. 0-73/15. Rietondale selection.
- 414461. 0-73/16. Rietondale selection.
- 414462. 0-73/17. Rietondale selection.
- 414463. 0-73/18. Rietondale selection.
- 414464. 0-73/19. Krygsriver, Rustenburg.
- 414465. 0-73/20. Marico.
- 414466. 0-73/21. Kuruman.
- 414467. 0-73/22. Vryburg.
- 414468. 0-73/23. Thabazimbi plains.
- 414469. 0-73/24. Thabazimbi mountain.
- 414470. 0-73/25. Thabazimbi vley.
- 414471. 0-73/26. Thabazimbi vley.
- 414472. 0-73/27. Thabazimbi.
- 414473. 0-73/28. Thabazimbi, beside stream.
- 414474. 0-73/29. 'Molopo'. Originally from Toowoomba, Australia.

414419 to 414535—Continued**414446 to 414535—Continued**

414475. 0-73/30. 'Blue Buffel'. Originally from Texas, United States.
414476. 0-73/31. 'Molopo'.
414477. 0-73/32. Originally from Lyana, Kenya.
414478. 0-73/34. Tsotsoroga Pan, Kalahari.
414479. 0-73/35. Gravelotte.
414480. 0-73/36. Gravelotte.
414481. 0-73/37. Thabazimbi dam.
414482. 0-73/38. Potgietersrus.
414483. 0-73/39. Q4360. Originally from Toowoomba, Australia.
414484. 0-73/40. Northwest Kaap.
414485. 0-73/41. Mara Research Station.
414486. 0-73/42. No source data.
414487. 0-73/43. No source data.
414488. 0-73/44. Natariver.
414489. 0-73/45. Q3532. Originally from Toowoomba, Australia.
414490. 0-73/46. Q3462. Originally from Toowoomba, Australia.
414491. 0-73/47. 'Toowoomba-B'. Originally from Toowoomba Experiment Station, Australia.
414492. 0-73/48. Gravelotte.
414493. 0-73/49. Originally from Grasslands Research Station, Rhodesia.
414494. 0-73/53. Thabazimbi mountain.
414495. 0-73/54. Thabazimbi.
414496. 0-73/55. Thabazimbi.
414497. 0-73/56. 'Biloela'. C.P.I. 6934. Originally from Dadoma, Tanzania, via Australia.
414498. 0-73/57. 'Chipinga Foxtail'. Originally from CSIRO, Australia.
414499. 0-73/58. Q2948. Originally from Toowomba, Australia.
414500. 0-73/59. 'Boorara'. Q2953. Originally from Toowoomba, Australia.
414501. 0-73/60. Beaufort West.
414502. 0-73/61. No source data.
414503. 0-73/62. No source data.
414504. 0-73/63. 'Karasburg'. Originally from Toowoomba, Karasburg, Australia.
414505. 0-73/64. Originally from East Africa.
414506. 0-73/65. Originally from Kenya.
414507. 0-73/66. Originally from Lodwar, Kenya.
414508. 0-73/67. Meerdam, Kalahari.
414509. 0-73/68. Graaff Reinet.
414510. 0-73/69. Cradock.
414511. 0-73/70. Originally from Kenya.
414512. 0-73/71. Brits.

414419 to 414535—Continued**414446 to 414535—Continued**

- 414513. 0-73/72. Kalahari.
- 414514. 0-73/74. B.P. 5. Originally from Toowoomba, Australia.
- 414515. 0-73/75. Originally from United States.
- 414516. 0-73/76. Originally from Tanganyika.
- 414517. 0-73/77. Originally from East Africa.
- 414518. 0-73/78. Wyliespoort.
- 414519. 0-73/79. Messina.
- 414520. 0-73/80. Aughrabies Waterfall.
- 414521. 0-73/82. Originally from Western Australia.
- 414522. 0-73/83. Originally from Toowoomba, Australia.
- 414523. 0-73/84. Originally from Toowoomba, Australia.
- 414524. 0-73/85. Originally from Toowoomba, Australia.
- 414525. 0-73/86. 'Toowoomba-A'. Originally from Toowoomba Research Station, Australia.
- 414526. 0-73/87. Vaalharts Research Station.
- 414527. 0-73/88. V.H.1. Vaalharts Research Station.
- 414528. 0-73/90. Messina.
- 414529. 0-73/91. Q2953. Originally from Toowoomba, Australia.
- 414530. 0-73/92. Q2948. Originally from Toowoomba, Australia.
- 414531. 0-73/94. Vaalharts.
- 414532. 0-73/95. 'Molopo'. Vaalharts.
- 414533. 0-73/96. U.S.A. Vaalharts.
- 414534. 0-73/97. 'Speedy'. Vaalharts.
- 414535. 0-73/98. V.H.1. Vaalharts.

414536 to 414540. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Union of Soviet Socialist Republics. Seed presented by Director, N. I. Vavilov Institute of Plant Industry, Leningrad, through Cargill Research Farm, Fort Collins, Colorado. Received November 15, 1976.

- 414536. VIR 47666. 'Donskaja Ostistaja'. Rostov Region. Winter growth habit.
- 414537. VIR 49248. 'Omskaja 9'. Omsk Region. Spring growth habit.
- 414538. VIR 49298. 'Sibiriacka 4'. Omsk Region. Spring growth habit.
- 414539. VIR 49381. 'Trtysanka 5'. Omsk Region. Spring growth habit.
- 414540. VIR 49333. 'Trtysanka 7'. Omsk Region. Spring growth habit.

414541 and 414542. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Union of Soviet Socialist Republics. Seed presented by Director, N. I. Vavilov Institute of Plant Industry, Leningrad. Received January 7, 1977.

- 414541. VIR 48664. 'Korotcostebel'naja 2'. Leningrad region. Spring type.
- 414542. VIR 48666. 'Korotcostebel'naja 1'. Leningrad region. Spring type.

414543 and 414544.

From Italy. Seed presented by Mauro Buonfigliou, Instituto di Agronomia, Università Degli Studi, Bologna. Received January 21, 1977.

414543. *AEGILOPS OVATA* L. Poaceae.

Goatgrass.

2132. Near Reno Rivber, northern Italy. Elevation 100 m.

414544. *HAYNALDIA VILLOSA* (L.) Schur. Poaceae.

2131. Puglia region, southern Italy.

414545. ORYZA SATIVA L. Poaceae.

Rice.

From Senegal. Seed collected by B. L. Pollack, Horticulture and Forestry Department, Rutgers University, New Brunswick, New Jersey. Received October 17, 1976.

Emanaye Carambak. Village of Tandieme, Bignona. Dryland rice.

414546 to 414552. ORYZA SATIVA L. Poaceae

Rice.

From Gambia. Seed collected by B. L. Pollack, Horticulture and Forestry Department, Rutgers University, New Brunswick, New Jersey. Received October 17, 1976.

414546. Banjul. Sapu.

414550. N'Kumba N'Dingo. Sapu.

414547. Banjul Koyo. Sapu.

414551. Soavina. Sapu.

414548. Fantia Kebbah. Sapu.

414552. Tuba. Sapu.

414549. M'Bibio. Sapu.

414553 to 414555. AVENA SATIVA L. Poaceae.

Oats.

From Wales. Seed presented by J. D. Hayes, Welsh Plant Breeding Station, Plas Gogerddan. Received November 15, 1976.

414553. 'Margam'. Spring type.

414554. 'Pennal'. Winter type.

414555. 'Pontiff'. Winter type.

414556 to 414627.

From People's Republic of China. Seed presented by Chinese Academy of Agricultural and Forestry Sciences, Peking, to United States Wheat Studies Delegation in May 1976. Numbered January 21, 1977.

414556 to 414625. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

414556. Al Feng 3. Dwarf, high yield. Winter type.

414557. Ai Feng 4. Dwarf, high yield. Winter type.

414558. An Hui 11. An Hui. Winter type.

414559. Bai You Bao. White, big grain. Winter type.

414560. Cao Yuan 1. (Grass land). Spring type.

414561. Cao Yuan 2. (Grass land). Spring type.

414562. Cao Yuan 3. (Grass land). Spring type.

414563. Cao Yuan 4. (Grass land). Spring type.

414564. Dong Fang Hong No. 2 (East is Red). Winter type.

414556 to 414627—Continued**414556 to 414625—Continued**

- 414565. Dong Fang Hong No. 3. East is Red). Winter type.
- 414566. E Gan Zao. Dwarf, early. Winter type.
- 414567. E Mai 6. Hubai. Winter type.
- 414568. Feng Chan 3. High yield. Winter type.
- 414569. Feng Jiang 1. High yield, strong stand. Spring type.
- 414570. Feng Jiang 2. High yield, strong stand. Spring type.
- 414571. Gong Jiao 277. (Common bread). Spring type.
- 414572. Gong Jiao 279. (Common bread). Spring type.
- 414573. Gong Jiao 282. (Common bread). Spring type.
- 414574. Gong Jiao 284. (Common bread). Spring type.
- 414575. Gong Jiao 287. (Common bread). Spring type.
- 414576. Gong Jiao 288. (Common bread). Spring type.
- 414577. Gr Xuan 1. (New selection). Winter type.
- 414578. Gr Xuan 2. (New selection). Winter type.
- 414579. Guan Cun 1. Guan Cun. Winter type.
- 414580. Hong Liang 10. (Red lady). Winter type.
- 414581. Jin Guang. (Bright light). Winter type.
- 414582. Jing Ai Zao Shou 21. Hubai. Dwarf, early. Winter type.
- 414583. Jing Hong 1. (Peking red). Spring type.
- 414584. Jing Hong 2. (Peking red). Spring type.
- 414585. Jing Hong 3. (Peking red). Spring type.
- 414586. Jing Hong 6. (Peking red). Spring type.
- 414587. Jing Yang 302. Jing Yang. Winter type.
- 414588. Ke Feng 1. High yield. Spring type.
- 414589. Ke Han 7. Drought resistant. Spring type.
- 414590. Nong Da 139. Winter type.
- 414591. Nong Da 141. Winter type.
- 414592. Nong Da 147. Winter type.
- 414593. Nong Da 311. Agriculture College 311. Winter type.
- 414594. Peking 6. Winter type.
- 414595. Peking 8. Winter type.
- 414596. Peking 9. Winter type.
- 414597. Peking 10. Winter type.
- 414598. Peking 11. Winter type.
- 414599. Peking 15. Winter type.
- 414600. Qing Chun 5. (Youth). Spring type.
- 414601. Shan Nong 6521. Shanxi. Winter type.
- 414602. Shi 7a-17. Winter type.
- 414603. Shi 7a-22. Winter type.
- 414604. Shi 14. Winter type.
- 414605. Shi 3626. Winter type.
- 414606. Shi 4182. Winter type.

414556 to 414627—Continued

414556 to 414625—Continued

- 414607. Shi 4468. Winter type.
- 414608. Shi Jia Zhuang 34. Winter type.
- 414609. Shi Pin 10. Shi Pin. Winter type.
- 414610. Shi Pin 83. Shi Pin. Winter type.
- 414611. Shon Nong 17-17. Shanxi. Spring type.
- 414612. Wu Nong 132. Wuhan. Winter type.
- 414613. Xiang Yang 1. Phototropic. Winter type.
- 414614. Xiang Yang 2. Phototropic. Winter type.
- 414615. Xiang Yang 3. Phototropic. Winter type.
- 414616. Xing Shu Guang 1. (New gloom). Spring type.
- 414617. Xuzhou 14. Xuzhou. Winter type.
- 414618. Ya Jiao Hong. (Duck Foot Red). Winter type.
- 414619. Yan An 6. Yang An. Winter type.
- 414620. Yan An 15. Yang An. Winter type.
- 414621. Yang Mai 1. Winter type.
- 414622. Yi Mai 23. He Bai. Winter type.
- 414623. You Yi Mai. (Friendship). Spring type.
- 414624. Zuan Zi Tou. Winter type.
- 414625. 3311. Winter type.

414626 and 414627. X TRITICOSECALE Wittm. Poaceae. Triticale.

414626. No. 2.

414627. No. 3.

414628 to 414664. VOANDZEIA SUBTERRANEA (L.) Thou. Fabaceae.

Bambarra groundnut.

From South Africa. Seed presented by Plant Introduction Officer, Technical Services, Pretoria. Received December 1, 1976.

- 414628. V.1. 'Potgietersrus 1'. Seed mixed sizes, light brown with very light mottling.
- 414629. V.2. 'Potgietersrus 2'. Seed mixed sizes, light brown with very light mottling.
- 414630. V.2A. 'Potgietersrus 2'. Seed small to medium, dark purple.
- 414631. V.2B. 'Potgietersrus 2'. Seed small to medium, tan to brown with very light mottling.
- 414632. V.2C. 'Potgietersrus 2'. Seed small to medium, light tan with brown ring around hilum.
- 414633. V.2D. 'Potgietersrus 2'. Seed small to medium, light tan with black ring around hilum.
- 414634. V.2E. 'Potgietersrus 2'. Seed medium, light and dark tan.
- 414635. V.2F. 'Potgietersrus 2'. Seed small to medium, brown.
- 414636. V.3A. 'Potgietersrus 3'. Seed medium, light tan with black ring around hilum.

414628 to 414664—Continued

414637. V.3B. 'Potgietersrus 3'. Seed small to medium, light tan with brown ring around hilum.
414638. V.4A. 'Swazi Homelands 6'. Seed medium, light tan with brown ring around hilum.
414639. V.4B. 'Swazi Homelands 6'. Seed medium, brown.
414640. V.4C. 'Swazi Homelands 6'. Seed small to medium, tan.
414641. V.5A. 'Swazi Homelands 1'. Seed small to medium, dark purple.
414642. V.5B. 'Swazi Homelands 1'. Seed small to medium, mixed colors with light mottling.
414643. V.5C. 'Swazi Homelands 1'. Seed small to medium, brown.
414644. V.5D. 'Swazi Homelands 1'. Seed small to medium, tan.
414645. V.6. Gravelotte. Seed small to medium, brown.
414646. V.6A. Gravelotte. Seed small to medium, purple.
414647. V.6B. Gravelotte. Seed medium, buff, some with heavy black mottling around hilum.
414648. V.6C. Gravelotte. Seed medium, reddish.
414649. V.6D. Gravelotte. Mixed seed, small to medium, light to dark tan.
414650. V.7. Groblersdal. Seed small to medium, light to dark tan.
414651. V.7A. Groblersdal. Seed small to medium, purple.
414652. V.7B. Groblersdal. Seed small to medium, buff with black ring around hilum.
414653. V.7C. Groblersdal. Seed small to medium, light to dark reddish.
414654. V.8A. Eastern Transvaal. Seed small to medium, purple.
414655. V.8B. Eastern Transvaal. Seed medium, beige with heavy black mottling.
414656. V.8C. Eastern Transvaal. Seed small to medium, reddish.
414657. C.8D. Eastern Transvaal. Seed small to medium, light tan with brown ring around hilum.
414658. C.8E. Eastern Transvaal. Seed small to medium, tan.
414659. V.9A. Eastern Transvaal. Seed medium, dark purple. About 50 percent of pods have two seeds.
414660. V.9B. Eastern Transvaal. Seed small to medium, beige to tan. About 50 percent of pods have two seeds.
414661. V.9C. Eastern Transvaal. Seed small to medium, reddish. About 50 percent of pods have two seeds.
414662. V.10A. Caprivi. Seed small to medium, buff, brown mottling around hilum.
414663. V.10B. Caprivi. Seed medium, buff, black mottling around hilum.
414664. V.10C. Caprivi. Seed small to medium, mixed colors, some with heavy black mottling.

414665 to 414670.

From Greece. Seed presented by Leonidas Liakos, Laboratory of Range Management, University of Thessaloniki, Thessaloniki. Numbered February 8, 1977.

414665. *AGROPYRON INTERMEDIUM* (Host) Beauv. Poaceae.

Intermediate wheatgrass.

414666. *AGROPYRON INTERMEDIUM* var *TRICHOPHORUM* (Link) Halac.

414667. *AGROPYRON JUNCEUM* (L.) Beauv.

Wheatgrass.

Marmari, Euboea Island.

414668. *AGROPYRON SIBIRICUM* (Willd.) Beauf.

Siberian wheatgrass.

414669. *HORDEUM BULBOSUM* L. Poaceae.

Bulbous barley.

414670. *TAENIATHERUM CRINITUM* (Schreb.) Nevski Poaceae

414671. *CARTHAMUS TINCTORIUS* L. ASTERACEAE.

Safflower.

From India. Seed presented by National Bureau of Plant Introduction, New Delhi.

Received February 24, 1977.

Monocapitulum mutant. Interesting mutant having no buds in the leaf axils. Originally from Jalgaon.

414672 to 414674.

From Australia. Seed presented by Terra Technics, Osborne Park, Received February 4, 1977.

414672. *CENCHRUS CILIARIS* L. Poaceae.

Buffelgrass.

'West Australian'. Perennial, non-rhizomatous, short type plant. 3 to 8 m high with dense, fine-leaved tillers. Very early flowering. Seeds purple. Reasonably frost tolerant.

414673. *CENCHRUS SETIGERUS* Vahl

Sandbur.

A tussocky perennial with short rhizomes normally grows from 0.3 to 1.4 m tall. Similar in appearance to West Australian buffel. Seed purple, short stiff teeth instead of fine bristles. Quite palatable and will withstand heavy stocking. Local name "Birdwood grass".

414674. *COCHLOSPERMUM FRASERI* Planch. Cochlospermeaceae.

Generally adapted to 750 mm rainfall regions. Local name "Wild Kapok."

414675. *CITRUS LIMON* (L.) Burm. f. Rutaceae.

Lemon.

From Iran. Seed presented by L. C. Cochran, Citrus Specialist, Development and Resources Corporation, Andimeshk. Numbered March 2, 1977.

Tree less vigorous than 'Eureka' or 'Lisbon'. Leaves smaller and thinner and fruits slightly smaller than in 'Lisbon'. Fruit copper orange at maturity with long keeping quality. Peel tough, juice yellow, good quality. Seeds small, less numerous than in 'Lisbon'. Produces one very heavy crop annually. season same as 'Lisbon'.

414676. *CUCURBITA MAXIMA* Duch. Curcubitaceae.

From Argentina. Seed presented by C. E. Savia, Instituto Nacional de Tecnologia Agropecuaria, Servicio Nacional de Fomento Agropecuario, Buenos Aires. Received January 31, 1977.

'Zapinski'. Bush type plant. Prolific in fruiting.

- 414677 to 414680. ORYZA SATIVA L. Poaceae. Rice**
 From Korea. Seed presented by M. D. Davis, Rice Research Team, Crop Improvement Research Center, Office of Rural Development, Suweon. Received January 1, 1977.
414677. Jinheung.
 414678. Josaeng-Tongil (Early Tongil). Suweon 242.
 414679. Tongil. IRI 667.
 414680. Yushin. IRI 317.
- 414681 and 414682. ORYZA SATIVA L. Poaceae. Rice.**
 From Philippines. Seed presented by T. T. Chang, International Rice Research Institute, Los Banos, Laguna. Received February 2, 1977.
414681. IRRI 331. C 21.
 414682. IRRI 6012. SLO 17.
- 414683 to 414690.**
 From United States. Seed held by Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Numbered February 24, 1977.
414683. CHASMANTHIUM LATIFOLIUM (Michx.) Yates Poaceae.
 Park Seed Company, Greenwood, South Carolina.
414684. COIX LACRYMA-JOBI L. Poaceae. **Job's-tears.**
414685. ERAGROSTIS VISCOSA (Retz.) Trin. Poaceae.
414686. MISCANTHUS SINENSIS f. ZEBRINUS (Nichols.) Nakai Poaceae.
 Park Seed Company, Greenwood, South Carolina.
- 414687 and 414688. PENNISETUM SETACEUM (Forsk.) Chiov Poaceae. **Silvergrass.**
414687. Park Seed Company, Greenwood, South Carolina.
 414688. New York.
- 414689 and 414690. PENNISETUM VILLOSUM R. Br. ex Fresen. **Feathertop.**
414689. 1.
 414690. 2.
- 414691 to 414710. CYNODON PLECTOSTACHYUS (K. Schum.) Pilg. Poaceae. Stargrass.**
 From South Africa. Plants presented by Plant Introduction Officer, Division of Plant & Seed Control, Department of Technical Services, Pretoria. Numbered February 24, 1977.
- | | |
|------------------|------------------|
| 414691. N68-147. | 414701. N69-209. |
| 414692. N69-91. | 414702. N69-326. |
| 414693. N69-94. | 414703. N70-10. |
| 414694. N69-164. | 414704. N70-11. |
| 414695. N69-165. | 414705. N70-12. |
| 414696. N69-166. | 414706. N70-49. |
| 414697. N69-167. | 414707. N70-50. |
| 414698. N69-168. | 414708. N70-62. |
| 414699. N69-169. | 414709. N70-312. |
| 414700. N69-176. | 414710. N70-385. |

414711. AGROPHYRON DISTICHUM (Thumb.) Beauv. Poaceae.**Wheatgrass.**

From South Africa. Seed presented by K. C. Johnson, Rondebosch, Capetown.
Received February 22, 1977.

Along Western Cape coastline. Plants 1.8 to 2.7 m tall.

Massive "head" resembling wheat. Large heads and seed. Usually found on elevated windblown sand dunes. Wild.

414712 to 414715. ORYZA SATIVA L. Poaceae.**Rice.**

From Phillippines. Seed presented by International Rice Research Institute, Manila. Received February 15, 1977.

414712. IRRI 156. H 5.

414714. IRRI 19294. Colombia 2.

414713. IRRI 19293. Colombia 1.

414715. IRRI 19295. Colombia 3.

414716. CUCUMIS METULIFERUS E. Mey. ex Naud. Cucurbitaceae.

From East Germany. Seed presented by Central Institute for Genetics and Plant Breeding, Gatersleben, through R. W. Robinson, Department of Seed and Vegetable Sciences, Geneva, New York. Numbered March 4, 1977.

CUC 16 E 71. Via Hortus Botanicus, Leyden, Netherlands.

Susceptible to squash mosaic virus and watermelon mosaic virus-1. Other accessions, P.I. 202681 and 292190, are resistant.

414717. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From India. Seed presented by National Bureau of Plant Introduction, New Delhi.
Received February 24, 1977.

CRA 66-Sel A-8-Bulk. Originally from Division of Vegetable Crops, Indian Institute of Horticultural Research, Bangalore, Karnataka State.

414718 to 414722. TRITICUM DICOCOIDES (Koern. ex Asch. & Graebn.) Aaronsohn Poaceae.

From Israel. Seed presented by Zahir Eyal, Tel Aviv University, Tel Aviv. Received February 15, 1977.

414718. G-100-1. Almagor, Korazim Sill, Jordan Valley.

414719. G-214. Bet-Qeshet, Lower Galilee.

414720. G-236. Bat-Sholomo, Sammarian Mountains.

414721. G-267. Mountain of Beatitudes, Korazim Sill.

414722. G-290. Zfat, Upper Galilee.

414723 and 414724.

From United States. Seed held by Regional Plant Introduction Station, Experiment, Georgia. Numbered February 24, 1977.

414723. CUCUMIS MELO L. Cucurbitaceae.

Muskmelon.

90234. Origin traces to P.I. 175111 from Mussooric, Uttar Pradesh, India, and contaminant, P.I. 371795. Bulk-sibbed, second generation inbred selection from P.I. 371795. Aphid resistant. Cultivated.

414724. MOMORDICA CHARANTIA L. Cucurbitaceae.

Balsam-pear.

'Chichida'. Originally from West Nepal through 1953 expedition organized by Japan. Wild.

414725 to 414728. SACCHARUM OFFICINARUM L. Poaceae.**Sugarcane.**

From South Africa. Cuttings presented by The Director, South African Sugar Association Experiment Station, Natal. Received March 16, 1977.

414725. N52/219.

414727. NC0334.

414726. J59/3.

414728. 66W1437.

414729. CAPSICUM sp. Solanaceae.

From Hong Kong. Seed presented by Andrew Tse, Clover Commercial Company, 620 Alexandra House. Received January 25, 1977.

'Harmonica'. NA 39911. Originally from Kun-ming, China.

414730 and 414731. LUNARIA ANNUA L. Brassicaceae.

From Netherlands. Seed presented by S. J. Wellensiek, Department of Horticulture, Agricultural University, Wageningen. Received February 15, 1977.

414730. 'Wageningen'. Annual type.

414731. Mixed F₃ of annual × biennial types.**414732 to 414734.**

From Finland. Seed presented by Matti Rekunen, Plant Breeding Institute of Hankkija, Kangasala. Received February 15, 1977.

414732. AVENA SATIVA L. Poaceae.

Oats.

'Valko'.

414733 and 414734. HORDEUM VULGARE L. Poaceae.

Barley.

414733. 'Aapo'. Two-row feed type.

414734. 'Aero'. Six-row feed type.

414735. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Australia. Seed presented by K. J. Symes, Australian Wheat Collection, Tamworth, New South Wales. Received February 15, 1977.

'Bordan'. 1995. Soft, white, spring type.

414736 to 414741. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Sweden. Seed presented by Gunnar Nilsson, Swedish Seed Association, Svalov. Numbered February 8, 1977.

414736. 'Amy'. Spring type.

414739. 'Seba'. Winter type.

414737. 'Prins'. Spring type.

414740. 'Solid'. Winter type.

414738. 'Sammetsvete'. Winter type.

414741. 'Virgo'. Winter type.

414742. LEUCAENA LEUCOCEPHALA (Lam.) de Wit Fabaceae.

From Philippines. Seed presented by Hugh Curran, Provident Tree Farm, San Teodoro, Mindoro Oriental, through N. D. Vietmeyer. National Academy of Sciences, Washington, D. C. Numbered February 24, 1977.

K28.

414743. ERAGROSTIS SUPERBA Peyr. Poaceae.

From Brazil. Vegetative material presented July 1973 by Instituto Agronomico, Campinas, Sao Paulo. Numbered November 17, 1976.

414744. ANDROPOGON GAYANUS Kunth Poaceae.

From Senegal. Vegetative material presented September 1973 by unknown source.
Numbered November 17, 1976.

414745. CYNDON sp. Poaceae.

From United States. Vegetative material held by the Plant Quarantine Facility,
Glenn Dale, Maryland. Numbered November 17, 1976.
Unknown source.

414746 and 414747. PASPALUM DISTICHUM L. Poaceae.

From South Africa. Vegetative material presented March 1974 by Plant Introduc-
tion Officer, Division of Seed Control, Department of Agricultural Technical
Services, Pretoria. Numbered November 17, 1976.

414746. N68/126.

414747. N68/127.

414748. FRAGARIA VIRGINIANA Duch. Rosaceae.

Virginia strawberry.

From United States. Plants held by the Fruit Laboratory, Plant Genetics and Germ-
plasm Institute, Beltsville Agricultural Research Center, Beltsville, Maryland.
Numbered January 26, 1977.

SG-18. On Highway 445, 6.4 km south of Nittany, Centre County, Pennsylvania.
Wild.

414749 to 414755. ORYZA SATIVA L. Poaceae.

Rice.

From Philippines. Seed presented by International Rice Research Institute, Manila.
Numbered March 8, 1977.

414749. Bengawan.

414753. IR 2153-159-1-4.

414750. HTA 794 IR 262 × KNN KLG.

414754. K542-55B-1.

414751. IR 2153-26-3-5-1

414755. Pankait 447-3.

414752. IR-2153-43-2-5-1.

414756 to 414770.

From Norway. Seed presented by Siri Horntvedt, Institute of Dendrology,
Norwegian Agricultural High School, As, through Cecil Stushnoff, Department
of Horticultural Science, University of Minnesota, St. Paul, Minnesota.
Numbered February 23, 1977.

414756. ACERGINNALA Maxim. Aceraceae.

Amur maple.

158/76. Lunner Station, Opland County.

414757. AMELANCHIER SPICATA (Lam.) K. Koch Rosaceae.

129/76. Veia Garden School, Moelv, Hedmark County.

414758. BETULA NANA Betulaceae.

Birch.

131/76. Fillefjell Mountain, near Oye on border of Sogn og Fjordane County.

414759. BETULA VERRUCOSA Ehrh.

65/75. Pasvik Valley, Finnmark County, near Kirkenes and Union of Soviet
Socialist Republics border.

414760. CHAMAECYPARIS LAWSONIANA (Murray) Parl. Pinaceae.

Lawson false-cypress.

483/76. 'Triomf Van Boskoop'. Dommismoen Garden School, Grimstad, Aust-
Agder County.,

414756 to 414770—Continued

414761. *CORYLUS AVEILANA* L. Betulaceae. European hazel.
482/76. Afarnes, Romsdal Valley, More og Romsdal County.
414762. *COTONEASTER DIVARICATA* Rehd & Wils. Rosaceae. Spreading cotoneaster.
170/76. Staup, Garden School, Levanger, Nord-Trondelag County.
414763. *FRAXINUS EXCELSIOR* L. Oleaceae. European ash.
83/76. Hyllestad, Sogn og Fjordane County.
- 414764 and 414765. *HIPPOPHAE RHAMNOIDES* L. Elaeagnaceae. Common sea-buckthorn.
414764. 135/76. Orlandet Military Airport, Sor-Trondelag County.
414765. 169/76. Verdal, Nord-Trondelag County.
414766. *PHELLODENDRON AMURENSE* Rupr. Rutaceae. Amur corktree.
23/75. Norwegian Agricultural High School, As, Sor-Trondelag County.
414767. *PRUNUS AVIUM* (L.) L. Rosaceae. Sweet cherry.
128/76. Orlandet Military Airport, Sor-Trondelag County.
414768. *RUBUS CHAMAEMORUS* L. Rosaceae. Mire, adjacent to Institute of Biology, Tromso, Troms County.
414769. *SAMBUCUS RACEMOS* L. Caprifoliaceae. European red elder.
172/76. Staup Garden School, Levanger, Nord-Trondelag County.
414770. *SORBUS HYBRIDA* L. Rosaceae. Mountain ash.
448/76. Eid, Sogn og Fjordane County.
414771. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit Fabaceae.
From Australia. Seed presented by Chief, Division of Tropical Crops and Pastures, Cunningham Laboratory, CSIRO, St. Lucia, Queensland. Received January 6, 1977.
'Cunningham'. 'Peru' × C.P.I. 18228. Introduced from Hawaii in 1953 as "Guatamala Strain". Taller than 'Peru; well developed basal branching. Darker green foliage than other varieties. Leaflet size comparable to 'El Salvador'. Seeds comparatively smaller and darker. Chromosome number $2n = 104$.
- 414772 and 414773.
From Peru. Seed collected July 16, 1976, by Daniel Nakama and Miguel Holle, Universidad Nacional Agraria, La Molina, Lima, and held by Regional Plant Introduction Station, Ames, Iowa. Numbered March 17, 1977.
414772. *LYCOPERSICON HIRSUTUM* Humb. & Bonpl. Solanaceae.
DHUNA 1390. Rio Pisco watershed, Ticrapo Viejo. Population of 10 to 20 plants. Rocky, stony soil with good grainage. Fruit set good. Large fruits to 3.4 cm in diameter. Sympatric with *Lycopersicon peruvianum*. Elevation 2,100 m. Wild.
414773. *SOLANUM PENNELLII* Correll Solanaceae.
DHUNA 1393. Rio Pisco watershed, La Quinga. One plant intermingling with *Lycopersicon peruvianum*. Flowering profusely. Some fruit set, ranging from ripe to unripe. Not sticky. Some plants with basal stem 3 to 4 cm diameter. Flower with basal articulation. Elevation 800 m. Wild.

414774 to 414779. EREMOCITRUS GLAUCA (Lindl.) Swingle
Rutaceae. Australian desert lime.

From Australia. Seed collected by Andy Jordan, Department of Primary Industries, Rockhampton, and sent through K. R. Jorgensen, Department of Primary Industries, Maryborough, Queensland.

Numbered March 17, 1977.

414774. Hutchinson No. 854. Lot. 1. Roadside rest area 1.6 km in extent, near railway bridge, east of and adjacent to Bajool, Queensland. Tree 9 m tall, with spreading branches, less thorny than others. Regular bearer. Seeds heavily parasitised. Wild.

414775. Hutchison No. 854. Lot 2, Along roadside, Bajool, Queensland. Wild.

414776. Hutchison No. 855. Lot 3. Dululu, Queensland. From small clump of trees to 9 m tall. Wild.

414777. Hutchison No. 855. Lot 4. Dululu, Queensland. Middle tree. Wild.

414778. Hutchison No. 855, Lot 5. Dululu, Queensland. Tree 4. Fruits more seedy than on other trees. Wild.

414779. Hutchison No. 855. Lot 6. Dululu, Queensland. Tree 1. Tree upright, 9.1 m tall. Branches with short internodes. Leaves dark green, 1 to 1.2 cm wide, 4 to 4.5 cm long. Fruit moderately seedy. Wild.

414780. HUMULUS LUPULIS L. Moraceae. Hops.

From India. Rhizomes presented by B. K. Bhat, Sanat Nagar Regional Research Laboratory, Srinagar, Jammu and Kashmir State, through the National Bureau of Plant Genetic Resources, New Delhi. Received February 9, 1977.

'Hybrid 2'. Open-pollinated seedling of 'Fuggle'. Originally from South Africa.

Excellent yield in Kashmir. Good alpha acid levels.

414781 to 414784. PAPAVER BRACTEATUM Lindl. Papaveraceae.
Sugarcane.

From Iran. Seed presented by Agricultural Attache, American Embassy, Tehran.
 Numbered March 17, 1977.

414781. Sample A. No source data.

414782. Sample B. No source data.

414783. Sample C. Homand Range Experiment Station, Tehran, Cultivated.

414784. Sample D. Demavand. Elevation 2,600 m. Wild.

414785 to 414788. SACCHARUM OFFICINARUM L. Poaceae.
Sugarcane.

From Philippines. Cuttings presented by Sugar Institute, Diliman, Quezon City.
 Received. March 4, 1977.

414785. Phil. 62120. 414787. Phil. 6425.

414786. Phil. 6317. 414788. Phil. 6607.

414789 to 414798. SACCHARUM (hybrid) Poaceae. Sugarcane.

From Barbados. Cuttings presented by West Indies Central Sugar Cane Breeding Station, Groves, St. George. Received March 24, 1977.

414789. B-4774. 414792. B-51415.

414790. B-51129. 414793. B-58230.

414791. B-51410. 414794. B-60257.

414789 to 414798—Continued

414795. B-62163. 414797. B-64278.

414796. B-63118. 414798. B-64305.

414799. CITRUS sp. Rutaceae.

From Iran. Seed presented L. C. Cochran, Development and Resources Corporation, Andimeshk. Received March 17, 1977.

Received as *Citrus minu*. Local type, apparently sour orange/mandarin cross. Petiole wings rounded at distal end next to blade instead of being broad. Produces vigorous seedlings with very few thorns. Cold hardy, perhaps more so than the trifoliate orange. Gummosis resistant, tolerant to calcareous soils.

414800 to 414866.

From Hungary. Seed presented October 1976 by Director, National Institute of Agrobotany, Tapioszele. Numbered March 21, 1977.

414800 to 414849. PHASEOLUS VULGARIS L. Fabaceae.

Commonbean

414800. II-10-1812. 65-73. "Bakti bean" Kispalad.

414801. II-10-1815. 58-73. Tolna. Seed brown.

414802. II-10-1816. 57-73. "Tabby bean". Szekszard.

414803. II-10-1817. 56-73. Kocsola. Seed white.

414804. II-10-1818. 55-73. "Rooster bean". Szekszard.

414805. II-10-1819. 54-73. "Long partridge bean". Szekszard.

414806. II-10-1820. 53-73. "Elizabeth bean". Szekszard.

414807. II-10-1821. 52-73. "Lady bean". Szekszard.

414808. II-10-1822. 49-73. Lokut. Seed yellow.

414809. II-10-1823. 48-73. Bakonybel.

414810. II-10-1824. 47-73. "Old bean". Lokut.

414811. II-10-1825. 46-73. Lokut. Seed striated.

414812. II-10-1826. 45-73. Lokut. Seed mottled.

414813. II-10-1827. 42-73. "Partridge bean". Lokut.

414814. II-10-1828. 41-73. Lokut. Seed white.

414815. II-10-1829. 40-73. Bakonybel. Seed brown.

414816. II-10-1830. 39-73. Lokut. Seed marbled.

414817. II-10-1832. 36-73. "Tabby bean". Lokut.

414818. II-10-1833. 35-73. Lokut. Dry bean.

414819. II-10-1834. 34-73. "Sugar bean". Mariapocs.

414820. II-10-1835. 33-73. "Rooster bean". Aszalo.

414821. II-10-1836. 32-73. "Elizabeth bean". Szikszo.

414822. II-10-1837. 30-73. "Lemon-flavored crescent bean". Mariapocs.

414823. II-10-1838. 29-73. Jankmajtis. Bush type, seed white.

414824. II-10-1839. 28-73. "Gzulahaz bush". Zsarolyan.

414825. II-10-1840. 27-73. "Brown tabby Elizabeth bean". Zsarolyan.

414826. II-10-1841. 26-73. "Smelly stone-colored bean". Zsarolyan.

414827. II-10-1842. 25-73. "Smelly stone bean". Nagykallo.

414828. II-10-1843. 22-73. Zsarolyan. Bush type.

414829. II-10-1844. 21-73. "Elizabeth bean". Kispalad.

414800 to 414866—Continued**414800 to 414849—Continued**

414830. II-10-1845. 19-73. 'Sugar Elizabeth bean'. Nagykallo.
 414831. II-10-1846. 18-73. "Chestnut-flavored bean". Zsarolyan.
 414832. II-10-1847. 17-73. Zsarolyan. Green bean.
 414833. II-10-1848. 16-73. Zsarolyan. Bush type.
 414834. II-10-1849. 15-73. "One seeded bean". Nagykallo.
 414835. II-10-1850. 14-73. Nagykallo. Green bean.
 414836. II-10-1851. 13-73. "40-day bush bean". Nagykallo.
 414837. II-10-1852. 12-73. "Poor man's bean". Patyod.
 414838. II-10-1853. 11-73. "Pearl bean". Nagykallo.
 414839. II-10-1854. 10-73. "Rust Elizabeth bean". Nagykallo.
 414840. II-10-1855. 8-73. "40-day bean". Patyod.
 414841. II-10-1856. 7-73. Zsarolyan.
 414842. II-10-1857. 6-73. "Rumanian bush bean". Nagykallo.
 414843. II-10-1858. 5-73. "Butter bean". Patyod.
 414844. II-10-1859. 4-73. "Cherry bean". Mariapocs.
 414845. II-10-1860. 1-73. "Rust Elizabeth bean". Mateszalka.
 414846. II-10-1861. 2-73. "Long partridge bean". Kispalad.
 414847. II-10-1862. 3-73. "Goose liver bean". Jankmajtis.
 414848. II-10-1943. 61-73. Szatmarcseke. Seed white.
 414849. II-10-1944. 43-73. "Patchy bean". Bakonybel.

414850 to 414866. PISUM SATIVUM L. Fabaceae.

Pea.

414850. II-9-224. 'Sensation'.
 414851. II-9-295. 'Kelvedon Triumph'.
 414852. II-9-297. 'Kelvedon Champion'.
 414853. II-9-653. 'Ovocsnaj'.
 414854. II-9-657. 'Groch Konserwowy'.
 414855. II-9-679. 'Weibull's Apollo'.
 414856. II-9-680. 'Maikonig'.
 414857. II-9-708. 'Juwel H.z.'.
 414858. II-9-712. 'Combia'.
 414859. II-9-766. 'De Obidos'.
 414860. II-9-832. 'Kocovska'.
 414861. II-9-863. 'Rival'.
 414862. IL-9-866. 'Prosenaj'.
 414863. II-9-905. 'Cobri'.
 414864. II-9-947. 'Szegedi szurke'.
 414865. II-9-1011. 'BR 136'.
 414866. II-9-1085. 'Triton'.

414867 to 414889. SACCHARUM (hybrid) Poaceae. Sugarcane.

From Hawaii. Cuttings presented by Hawaiian Sugar Planters' Association Experiment Station, Genetics and Pathology Department, Aiea. Received March 25, 1977.

414867 to 414880—Continued

| | |
|----------------------|--------------------|
| 414867. H 189. | 414879. H 54-775. |
| 414868. H 49-5. | 414880. H 56-278. |
| 414869. H 1721. | 414881. H 57-5026. |
| 414870. H 1820. | 414882. H 57-5174. |
| 414871. H 3775. | 414883. H 58-148. |
| 414872. H 4848. | 414884. H 58-4392. |
| 414873. H 6297. | 414885. H 59-70. |
| 414874. H 6336. | 414886. H 60-5657. |
| 414875. H 8070. | 414887. H 61-467. |
| 414876. H 44-3098. | 414888. H 64-1881. |
| 414877. H 493533. | 414889. H 65-2209. |
| 414878. 'H 50-7209'. | |

414890 to 414897. SACCHARUM (hybrid) Poaceae. Sugarcane.

From Hawaii. Seed presented by Hawaiian Sugar Planters' Association Experiment Station, Genetics and Pathology Department, Aiea. Received March 25, 1977.

- 414890. L 62-96 × unknown line.
- 414891. CP 63-588 × unknown line.
- 414892. CP 65-357 × unknown line.
- 414893. CP 66-1043 × CP 63-588.
- 414894. H 59-3775 × CP 69-1052.
- 414895. H 60-5657 × CP 63-588.
- 414896. H 60-5657 × CP 69-1052.
- 414897. H 65-2209 × CP-1052.

414898 to 414900. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Senegal. Seed presented July 1976 by B. Garet, Service Amelioration des Arachides, Centre National de Recherches Agronomiques, Bambey. Numbered March 21, 1977.

- 414898. 28-206. Matures in 120 days.
- 414899. 57-422. Matures in 105 days.
- 414900. 70-112. Drought resistant. Matures in 110 days.

414901. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Ecuador. Seed collected by Joe Blakeslee, Agriculturist, Summer Institute of Linguistics, Quito. Numbered March 21, 1977.

'Romulo'. Quichua Indians, Limoncocha.

414902 to 414905. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Boliva. Seed collected 1976 by D. E. McCloud, Department of Agronomy, University of Florida, Gainesville, Florida. Numbered March 21, 1977.

- 414902. No. 1. 'Chula mani'. Local market. Source unknown.
- 414903. No. 2. Cultivated type. Local market. Source unknown.
- 414904. No. 3. Local market. Source unknown. Testa dark brown.
- 414905. No. 4. Local market, Santa Cruz. Mixed sample, tan testa predominate. Others reddish-brown.

414906. CUCURBITA MOSCHATA (Duch.) Duch. ex Poir.
Cucurbitaceae.

From India. Seed presented by Prem Nath, Indian Institute of Horticultural Research, Bangalore, Karnataka State, through Director, National Bureau of Plant Genetic Resources, New Delhi. Received February 28, 1977.

'Arka Suryamukhi'. Reported to be resistant to fruit fly.

414907 to 414918. SACCHARUM (hybrid) Poaceae. Sugarcane.

From Mauritius. Cuttings presented by The Director, Mauritius Sugar Industry Research Institute, Reduit. Received March 29, 1977.

- | | |
|-------------------|-------------------|
| 414907. M 63/39. | 414913. M 305/51. |
| 414908. M 124/59. | 414914. M 351/57. |
| 414909. M 134/42. | 414915. M 356/53. |
| 414910. M 165/38. | 414916. M 383/41. |
| 414911. M 241/40. | 414917. M 555/60. |
| 414912. M 305/49. | 414918. M 574/62. |

414919 and 414920. SACCHARUM (hybrid) Poaceae. Sugarcane.

From Puerto Rico. Cuttings presented by Agricultural Experiment Station, University of Puerto Rico, Rio Piedras. Received March 31, 1977.

414919. PR 905.
 414920. PR 1016.

414921 to 414930. PHASEOLUS VULGARIS L. Fabaceae.
Common bean.

From Union of Soviet Socialist Republics. Seed presented by Director, N. I. Vavilov Institute of Plant Industry, Leningrad. Received February 11, 1977.

414921. VIR 3041. 'Kustovaja'. Krasnodar territory.
 414922. VIR 9723. 'Limonka'. Krasnodar territory.
 414923. VIR 11816. '12-71'.
 414924. VIR 13155. Georgia.
 414925. VIR 13159. Moldavia.
 414926. VIR 13168. Moldavia.
 414927. VIR 13177. Moldavia.
 414928. VIR 13197. Moldavia.
 414929. VIR. 13205. Moldavia.
 414930. VIR. 13349. 'Hetagurovis 4'. Georgia.

414931 to 414937.

From South Africa. Seed presented by Director, Horticultural Research Institute, Pretoria, through Plant Introduction Officer, Division of Plant and Seed Control, Pretoria. Received March 17, 1977.

414931 to 414933. ALLIUM CEPA L. Amaryllidaceae. Onion.

414931. 'DeWildt'. Selected from a yellow Bermuda type.

Grown commercially in South Africa since 1948. Short day type.

414932. 'Pyramid'. Originated at the Horticultural Research Institute, Pretoria, by inbreeding and selection with 'De Wildt'. Released in 1968. Bulb brown-straw colored. Short day type.

414931 to 414937—Continued**414931 to 414933—Continued**

414933. 'Sphinx'. Originated at the Horticultural Research Institute, Pretoria, by inbreeding and selection with 'Egyptian'. Released in 1966. Susceptible to downy mildew and *Alternaria* blotch. Grows best in dry regions. Short day type.

414934. BETA VULGARIS L. Chenopodiaceae. **Sugarbeet.**
Selection from Detroit Dark Red'. Grown from seed in South Africa since 1943.

414935 and 414936. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae. **Cabbage.**

414935. Selection from 'All Head'. Grown from seed in South Africa since 1949.

414936. 'Improved Cape Spitz'. Local selection, grown in South Africa for more than 300 years. Heads pointed, leaves slightly curly, taste very good.

414937. PHASEOLUS VULGARIS L. Fabaceae. **Common bean.**
Wintergreen'. Originated from 'Record Greenpod' × 'Contender'.

414938 to 414942. SACCHARUM (hybrid) Poaceae. **Sugarcane.**
From Reunion. Cuttings presented by Centre d'Essai de Recherche et de Formation, La Bretagne. Received April 8, 1977.

414938. 'R-526'.

414939. 'R-565'.

414940. 'R-567'.

414941. 'RP-347167'.

414942. 'RP-99166'.

414943 to 414974. × TRITICOSECALE Wittm. Poaceae. **Triticale.**

From Union of Soviet Socialist Republics. Seed presented by Director, N. I. Vavilov Institute of Plant Industry, Leningrad. Numbered March 29, 1977.

414943. VIR 48801. NH-1756. 2n = 42. Leningrad Region. Winter type.

414944. VIR 48808. NH-1795. 2n = 42. Leningrad Region. Winter type.

414945. VIR 48809. AD H-19. 2n = 42. Kharkov Region. Winter type.

414946. VIR 48816. AD H-174. 2n = 42. Kharkov Region. Winter type.

414947. VIR 48819. AD 307. 2n = 42. Kharkov Region. Winter type.

414948. VIR 48822. AD H-403. 2n = 42. Kharkov Region. Winter type.

414949. VIR 48824. PRAO 2. 2n = 56. Daghestan. Winter type.

414950. VIR 48834. PRAO 6/1. 2n = 56. Daghestan. Winter type.

414951. VIR 48835. PRAO 6/2. 2n = 56. Daghestan. Winter type.

414952. VIR 48836. PRAO 7. 2n = 56. Daghestan. Winter type.

414953. VIR 48852. PRAO 31. 2n = 42. Daghestan. Winter type.

414954. VIR 48861. PRAO 39/1. 2n = 42. Daghestan. Winter type.

414955. VIR 48862. PRAG 39/2. 2n = 42. Daghestan. Winter type.

414956. VIR 48863. 2n = 42. Kurgan Region Winter type.

414957. VIR 49736. PRAG 41/1. 2n = 42. Daghestan. Winter type.

414958. VIR 49738. PRAG 31/2. 2n = 42. Daghestan. Winter type.

414943 to 414974—Continued

414959. VIR 49740. PRAG 42. 2n = 42. Daghestan. Winter type.
 414960. VIR 49742. PRAG 45/1. Daghestan. Winter type.
 414961. VIR 49744. PRAG 46/1. 2n = 42. Daghestan. Winter type.
 414962. VIR 49747. PRAG 46/4. 2n = 42. Daghestan. Winter type.
 414963. VIR 49754. PRAG 49/1. 2n = 42. Daghestan. Winter type.
 414964. VIR 49757. PRAG 51/1. 2n = 42. Daghestan. Winter type.
 414965. VIR 49763. PRAG 56/1. 2n = 42. Daghestan. Winter type.
 414966. VIR 49767. PRAG 58/3. 2n = 42. Daghestan. Winter type.
 414967. VIR 49770. PRAG 59/2. 2n = 42. Daghestan. Winter type.
 414968. VIR 49772. PRAG 60/1. 2n = 42. Daghestan. Winter type.
 414969. VIR 49776. PRAG 64/1. 2n = 42. Daghestan. Winter type.
 414970. VIR 49778. PRAG 65/2. 2n = 42. Daghestan. Winter type.
 414971. VIR 49896. Zitnica 1. 2n = 42. Kharkov Region. Winter type.
 414972. VIR 49913. AD 201. 2n = 42. Kharkov Region. Winter type.
 414973. VIR 49936. Dneprovsky. 2n = 42. Ukrainian SSR. Winter type.
 414974. VIR 50133. Kazansky 4. 2n = 42. Tataria. Winter type.

414975. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Indonesia. Seed presented by Agricultural Attache, American Embassy, Jakarta. Numbered March 29, 1977.

'No. 6'. East Java.

414976 to 414992.

From United States. Seed collected by A. P. Plummer, Intermountain Forest and Range Experiment Station, Ephraim, Utah, and held by Regional Plant Introduction Station, Washington State University, Pullman, Washington. Numbered March 29, 1977.

414976 and 414977. ARTEMISIA ARBUSCULA subsp. NOVA (A. Nels.)

G. Ward Asteraceae.

414976. U-14-71.

414977. U-15-77.

414978. ARTEMISIA CANA Pursh subsp. BOLANDERI (Gray) G. Ward
 BW-6.

414979. ARTEMISIA CANA Pursh subsp. CANA.
 BW-9.

414980. ARTEMISIA TRIDENTATA Nutt.
 U-58-71.

414981 to 414986. ARTEMISIA TRIDENTATA Nutt. subsp. TRIDENTATA

414981. U-46-71.

414984. U-55-71.

414982. U-49-71.

414985. U-60-71.

414983. U-54-71.

414986. U-62-71.

414987 and 414988 ARTEMISIA TRIDENTATA subsp. VASEYANA (Rydb.) Beetle

414987. BW-3.

414988. U-6-71.

414989 to 414991. CHRYSOTHAMNUS NAUSEOSUS (Pall). Britt. Asteraceae.

414976 to 414992—Continued**414989 to 414991—Continued**

414989. U-59-71.

414990. U-65-71.

414991. U-68-71.

414992. *CHRYSOTHAMNUS PARRYI* (Gray) Greene
U-2-71.**414993. TRITICUM AESTIVUM L. Poaceae. Common wheat.**

From Mexico. Seed presented by M. Alcalá, International Maize and Wheat Improvement Center, Chapingo. Numbered March 29, 1977.

'Perico S'.

414994 to 415006. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Israel. Seed presented February 1977 by A. Ashri, Faculty of Agriculture, Rehovot, through Agricultural Research Organization, The Volcani Center, Bet Dagan. Numbered April 11, 1977.

414994. 201-3. 'Shulamit' × 'Line 203' (F₃ embryos). Dark green, large pods, very fertile. Single plant.414995. 201-4. 'Shulamit' × 'Line 203' (F₃ embryos). Dark green, large pods, very fertile. Single plant.414996. 201-5. 'Shulamit' × 'Line 203' (F₃ embryos). Dark green, large pods, very fertile. Single plant.414997. 201-6. 'Shulamit' × 'Line 203'. (F₃ embryos). Dark green, large pods, very fertile. Single plant.

414998. 364-1. 'Chico' × 'Line 203'. Spanish type pods, fertile.

414999. 373-1. 'Chico' × 'Line 203'. Spanish type pods, attractive, early.

415000. 375. 'Avir'. Bulk sample of P. I. 314980 developed in Krasnodar, Union of Soviet Socialist Republics, as 'VNIIMK 433'. Early (100 days). Multiseeded pods, testas red.

415001. 380-1. 'Dixie Anak'. Bulk sample selected by E. Goldin from an accession labeled 'Dixie', introduced from the United States. Plants are open bunch, early (120 days) and productive. Pods two-seeded, small.

415002. 400. '1125'. Bulk sample of P. I. 24162 from Ecuador. Very large plants, late, multiseeded pods. Testas purple.

415003. 515. Bulk sample from 'Congo'. Leaflets very small, gamma rays 26 Krad, M₄ embryos.415004. 516. Bulk sample from 'Congo', EMS 0.40 percent (v/v) 24 hour, M₄ embryos.415005. 531. Bulk sample from 'Congo'. Wilted appearance, gamma rays 14 Krad, M₅ embryos.

415006. 664-2. 'Line 203' × 'Congo'. Valencia type pods, testas pink.

415007 and 415008. NICOTIANA TABACUM L. Solanaceae. Tobacco.

From Japan. Seed presented by Y. Ohashi, Utsunomiya Tobacco Experiment Station, Japan Monopoly Corporation, Oyama-Shi, Tochigi-Ken. Numbered April 11, 1977.

415007. T.I. 1604. Shiroenshu 201.

415008. T.I. 1605. Shiroenshu 202.

415009. *ASTRAGALUS CICER L.* **Fabaceae.** **Milkvetch.**
From Sweden. Seed presented by Director, Botanical Garden, Stockholm. Received
March 22, 1977.

415010. *PAPAVER BRACTEATUM Lindl.* **Papaveraceae.** **Oriental poppy.**
From Israel. Seed presented by D. Lavie, Weizmann Institute of Science, Rehovot.
Numbered April 11, 1977.

Sarona V/b. 1976 crop.
415011 to 415014. *HORDEUM VULGARE L.* **Barley.**
From Mexico. Seed presented by Enrique Riojas-Guadiana, Jefe de la Seccion de
Cebada, Instituto Nacional de Investigaciones Agricolas, Chapingo. Numbered
March 29, 1977.

415011. 'Apizaco'. Cebada. 415013. 'Cerro Prieto'. Cebada.

415012. 'Centinela'. Cebada. 415014. 'Peubla'. Cebada.

415015. *ASTRAGALUS CICER L.* **Fabaceae.** **Milkvetch.**
From France. Seed presented by Director, Jardin Botanique de l' Universite Louis
Pasteur, Strasbourg. Received March 22, 1977.

415016 to 415021. *HORDEUM BULBOSUM L.* **Poaceae.** **Bulbous barley.**
From Finland. Seed presented by H. Ahokas, Department of Genetics, University of
Helsinki, Helsinki. Numbered March 29, 1977.

415016. HA 1. Spring type. two-rowed.

415017. HA 19. Spring type. two-rowed.

415018. HA 22. Spring type, two-rowed.

415019. HA 33. Spring type, two-rowed.

415020. HA 51. Spring type, two-rowed.

415021. 'Karri'. C.I. 13822. HA-Hb-1-Karr. Alloplasmic. Spring type.

415022 to 415025. *CYAMOPSIS TETRAGONOLOBA (L.) Taub.* **Fabaceae.** **Guar.**

From Australia. Seed presented by Department of Agriculture and Animal
Resources, Darwin, through H. D. van Nieukerken, Hercules BV, The Hague,
Netherlands. Received March 28, 1977.

415022. C.P. 177.

415024. E.C.R. 67.

415023. C.P. 380.

415025. P.H.D. 1.

415026 to 415063. *VICIA FABA L.* **Fabaceae.** **Broadbean.**
From France. Seed presented by J. Picard, Station D'Amelioration des Plantes, In-
stitu National de la Recherche Agronomique, Dijon. Numbered April 5, 1977.

415026. 276. Marais Poitevin, West Vendee.

415027. 277. Southwest Gers, Toulouse.

415028. 278. East Lorraine Region. Spring type.

415029. 279. East Lorraine Region, Metz. Spring type.

415030. 280. Lorraine, Metz. Spring type.

415031. 281. East Lorraine Region, Metz. Spring type.

415032. 284. Cote d'Or, Dijon. Winter type.

415026 to 415063—Continued

415033. 285. Cote d'Or, Dijon. Winter type.
 415034. 286. East Juro Region. Winter type.
 415035. 287. East Juro Region. Winter type.
 415036. 288. East Juro Region. Winter type.
 415037. 309. Southwest Toulouse.
 415038. 310. Southwest Toulouse.
 415039. 311. Southwest Toulouse.
 415040. 312. Southwest Toulouse.
 415041. 313. Southwest Toulouse.
 415042. 323. Nicosia, Cyprus.
 415043. 324. Japan.
 415044. 325. Ethiopia.
 415045. 326. Ethiopia.
 415046. 327. Ethiopia.
 415047. 328. Ethiopia.
 415048. 337. Sudan.
 415049. 338. Sudan.
 415050. 339. Sudan.
 415051. 340. Sudan.
 415052. 373. Rafsandfan, Iran.
 415053. 375. Hafiabad, Iran.
 415054. 377. 2. Rafsandfan, Iran.
 415055. 378. 258. Mashad, Iran.
 415056. 387. Nepal.
 415057. 388. Nepal.
 415058. 389. Hetcheng, People's Republic of China.
 415059. 390. Maya, People's Republic of China.
 415060. 391. Kingpi, People's Republic of China.
 415061. 392. Maopanking, People's Republic of China.
 415062. 393. Tsehsi, Taipei, Taiwan.
 415063. 437. Picardie. Spring type.

415064. IMPATIENS sp. Balsaminaceae.

From Kenya. Seed collected October 1976 by R. W. Spjut, Medicinal Plant Resources Laboratory, Plant Genetics and Germplasm Institute, Agricultural Research Center, Beltsville, Maryland. Numbered April 11, 1977..

4671. Kakamega Forest Station. Upland rain forest. Elevation 1,666 m. Herb up to 1.2 m tall. Flowers ranging from pure white to pale lavender. Wild.

415065 to 415067. CAJANUS CAJAN (L.) Huth Fabaceae.**Pigeonpea.**

From Trinidad. Seed presented by R. P. Ariyanayagam, University of the West Indies, Department of Biological Sciences, St. Augustine. Received April 11, 1977.

415065. AS 1.

415065 to 415067—Continued

415066. AS 2.

415067. AS 3.

415068. PASSIFLORA INCARNATA L. Passifloraceae. Maypop.

From United States. Seed presented by E. L. Winters, Claremore, Oklahoma.
Numbered April 4, 1977.

Native herbaceous perennial vine. Flowering and fruiting profusely. Wild.

415069. ABUTILON CHITTENDENII Standl. Malvaceae.

From Honduras. Seed collected by Claude Hope, Linda Vista, S.A., Cartago, Costa Rica. Received April 5, 1977.

Near Naco, in the vicinity of Cofradia, Santa Barbara Department. Shrub to 3 m, leaves cordate, flowers bright silky yellow with red eye zone, 7 cm. in diameter.

415070. PISTACIA LENTISCUS L. Anacardiaceae. Lentisk.

From Israel. Seed presented by Ze'ev Naveh, Faculty of Agricultural Engineering, Technion. Received March 16, 1977.

Gilboa. Collected November 25, 1975.

415071. ASTRAGALUS CICER L. Fabaceae. Milkvetch.

From Belgium. Seed presented by E. Lammens, Living Collections, Jardin Botanique National, Domaine de Couchout, Meise. Received March 22, 1977.

Growing in Garden for many years, origin unknown.

415072 to 415075. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From France. Seed received from People's Republic of China through Mr. M. Denuc, Laboratoire D'Amelioration des Plantes, Toulouse. Received March 4, 1977.

415072. 'Hei-Long'.

415074. 'Tie-Feng 19A'.

415073. 'Tie-Feng 17A'.

415075. 'Zao-Feng'.

415076. ASTRAGALUS CICER L. Fabaceae. Milkvetch.

From Belgium. Seed presented by Director, Jardin Botanique, Universite de Liege, Liege. Received March 22, 1977.

Saint-Bonnet-en-Champsaur, Hautes-Alpes, France.

415077 to 415092. ZEA MAYS L. Poaceae. Corn.

From Hungary. Seed presented by J. Nemeth, Head, Maize Department, Cereal Research Institute, Szeged. Received May 2, 1977.

415077. 4528. Inbred.

415085. 4566. Inbred.

415078. 4533. Inbred.

415086. 4578. Inbred.

415079. 4537. Inbred.

415087. 4580. Inbred.

415080. 4550. Inbred.

415088. 4581. Inbred.

415081. 4554. Inbred.

415089. 4655. Inbred.

415082. 4560. Inbred.

415090. 4659. Inbred.

415083. 4562. Inbred.

415091. 4664. Inbred.

415084. 4564. Inbred.

415092. Synthetic 61165. Derived from Iowa Corn Borer synthetic and Hungarian lines.

415093 to 415101.

From Honduras. Seed collected November 1976 by P. A. Fryxell, Department of Soil and Crop Sciences, Texas A & M University, Agronomy Field Laboratory, College Station, Texas. Numbered April 24, 1977.

415093. *CAPSICUM* sp. Solanaceae.

A. Huampusirpe. Shrub to 2 m tall. Fruits pendent, bright yellow, ovate (slightly fluted), pungent. Cultivated.

415094. *CAPSICUM* sp.

B. Huampusirpe. Shrub to 1.5 m tall, naturalized around village, encouraged and harvested. Fruits erect, yellow, ripening red, about 2.5 cm long, narrowly pointed, pungent. Cultivated.

415095. *CITRULLUS LANATUS* (Thunb.) Matsum. & Nakai Cucurbitaceae.

Watermelon.

C. Barra Platano village, near mouth of Rio Platano. Small, spherical melon. Flesh yellow with insipid flavor. Prized by Mishito Indians. Fruit 20 to 25 cm in diameter. Flesh not sweet, although ripe, but refreshing. Cultivated.

415096. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea-island cotton.

2810. Huampusirpe. Herbaceous shrub to 3 m tall. flower yellow with red center. Red involucre nectaries. Eight seeds per lock, green fuzzy seed. Cultivated. Local name "algodon de rinon".

415097 and 415098. *GOSSYPIUM BARBADENSE* var. *BRAZILIENSE* F. M. Mauer

415097. 2809. Huampusirpe. Herbaceous shrub to 3 m tall, in bud, growing near houseyard. Kidney cotton, seeds connate with red involucre nectaries. Eight seeds per lock, fuzzy seeded. Cultivated. Seeds donated by owner.

415098. 2812. Baltituk. Several planted in houseyard 1.6 to 3.2 km upstream from village along Rio Platano. Large shrub or small tree, said to be only two years old. Kidney cotton. Flowers large, pale, whitish yellow, no petal spot. Red involucre nectaries. Ten seeds per lock, naked seeded. Cultivated.

415099. *HIBISCUS BIFURCATUS* Cav. Malvaceae. Forkleaf hibiscus.

2804. Near mouth of Rio Platano. Herbaceous shrub to 2 m tall in wet ground on edge of swamp. Wild.

415100. *HIBISCUS CANNABINUS* L.

Kenaf.

2811. Huampusirpe. Perennial, low spreading. Flowers deep red. Cultivated as ornamental. Cultivated.

415101. *HIBISCUS FURCELLATUS* Desr.

2806. Near mouth of Rio Platano. Herbaceous shrub to 2 m tall, growing in swamp. Flowers large, pink. Wild.

415102 to 415116.

From Nicaragua. Seed collected November-December 1976 by P. A. Fryxell, Department of Soil and Crop Sciences, Texas A & M University, Agronomy Field Laboratory, College Station, Texas. Numbered April 24, 1977.

415102. *GOSSYPIUM BARBADENSE* L. Malvaceae.

Sea-island cotton.

2876. Private residence, 1 km from Camoapa. Shrub to 2 m tall. Flowers yellow, weak petal spot. Lint white, naked-seeded. Cultivated.

415102 to 415116—Continued

- 415103 and 415104.** *GOSSYPIUM BARBADENSE* var. *BRAZILIENSE* F. M. Mauer
415103. No. 2. Luis Torres Fuertes residence, Bluefields. Shrub to 3 m tall. Flowers yellow, no petal spot. Lint white, kidney seed. Cultivated.
415104. No. 5. Private residence, Camoapa. Shrub to 1 m tall. Flowers yellow, no petal spot. Lint white, naked-seeded, kidney type. Cultivated.
- 415105 to 415115.** *GOSSYPIUM HIRSUTUM* L. Upland cotton.
415105. No. 1. Km 93 on Managua to Rama highway. Small-fruited shrub. Cultivated.
415106. No. 3. Ranier Daxl, Food and Agriculture Organization, Managua. Originally from Comalapa. Dooryard cotton.
415107. No. 4. Ranier Daxl, Food and Agriculture Organization, Managua. Originally from Valle de Cauca, Coloumbia. Wild.
415108. 2865. Finca Moralito, on side road to Comalapa, 1 km from highway. Herbaceous shrub to 3 m tall, widely branched. Flowers yellow, red petal spot. Lint white. Cultivated.
415109. 2866. Private residence, Finca Santa Lucia, on road to Comalapa. Herbaceous shrub to 2 m tall. Flowers yellow with red center. Cultivated.
415110. 2867. Seven km from highway at Finca Concepcion, on side road to Comalapa. Herbaceous shrub to 2 m tall, trunk 25 cm in diameter. Flowers yellow, vestigial petal spot. Lint white. Cultivated.
415111. 2869. Eight km from highway on road to Comalapa. Herbaceous shrub to 2 m tall. Glabrous, flowers yellow, no petal spot. Lint white. Cultivated.
415112. 2871. Private residence, Comalapa. Herbaceous shrub to 2 m tall. Flowers pale yellow, petal spot. Cultivated.
415113. 2872. In empty field across street from a plaza in Comalapa. Herbaceous shrub to 3 m tall with boll weevil infestation. Flowers pale yellow, weak petal spot. Lint white.
415114. 2877. El Pochote, 3 km from Camoapa. Herbaceous tree to 4 m tall. Flowers pale yellow, weak red petal spot. Lint white. Cultivated.
415115. 2880. Private residence, Puerto Cabezas. Herbaceous shrub to 3 m tall. Flowers white, prominent petal spots. Lint white. Cultivated.
- 415116.** *HIBISCUS SABDARIFFA* L. Malvaceae. Roselle.
 2874. Private residence, Camoapa. Herbaceous shrub to 1 m tall, foliage red. Cultivated.

415117 to 415124.

From Australia. Seed presented by Plant Introduction Officer, Plant Introduction Station, Division of Tropical Agronomy, Commonwealth Scientific and Industrial Research Organization, Cunningham Laboratory, St. Lucia, Queensland. Received April 4, 1977.

- 415117.** *CENTROSEMA PASCUORUM* Mart. ex. Benth. Fabaceae.
 C.P.I. 40060. RJW 5580. Originally from Ceara, Brazil.

415117 to 415124—Continued

- 415118 to 415124.** *CENTROSEMA PUBESCENS* Benth.
415118. C.P.I. 37014. DON 543. Originally from Rio Churube, Panama.
415119. C.P.I. 38543. 7665 IN. Originally from Rockefeller Foundation, Mexico.
415120. C.P.I. 38547. 11365 IN. Originally from Rockefeller Foundation, Mexico.
415121. C.P.I. 38831. A1870. Originally from Instituto Botanico, Venezuela.
415122. C.P.I. 46543. G.046/68, FCA. Originally from Buena Vista, Guatemala.
415123. C.P.I. 46544. G.002/68, FCA. Originally from Buena Vista, Guatemala.
415124. C.P.I. 46548. G.028/68, FCA. Originally from Buena Vista, Guatemala.

415125 and 415126.

From Japan. Seed Presented by T. Shichijo, Fruit Tree Research Station, Okitsu Branch, Okitsu, Shizuoka. Received April 15, 1977.

- 415125.** *FORTUNELLA HINDSII* (Champ.) Swingle Rutaceae. **Hong Kong kumquat.**
 Tetraploid type.
415126. *PONCIRUS TRIFOLIATA* (L.) Raf. Rutaceae. **Trifoliate orange.**

415127 to 415129.

From El Salvador. Seed presented by J. Velez Fortuno, University of Florida/Agency for International Development Contract, American Embassy, San Salvador. Numbered April 20, 1977.

- 415127 and 415128.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
415127. 'Criollo de Quezaltepeque'. Highly resistant to bacterial wilt. Fruit poor.
415128. 'Fiesta'. Reportedly resistant to root knot nematode. Fruit poor.
415129. *SOLANUM MACRANTHUM* Dunal Solanaceae.
 Local name "Cuernavaca." Tall shrub, flowers purple. Used as temporary shade for coffee.

415130. *AGERATUM CONYZOIDES* L. Asteraceae.

From Trinidad. Seed presented by Permanent Secretary, Ministry of Agriculture, Lands, and Fisheries, St. Clair Circle, Port-of-Spain. Received April 11, 1977.
 Local name "goatweed".

415131. *AGERATUM CONYZOIDES* L. Asteraceae.

From Sri Lanka. Seed presented by Arthur W. Senanayake, Plant Introduction Officer, Division of Botany, Central Agricultural Research Institute, Gannoruwa, Peradeniya. Numbered April 23, 1977.
 Local name "goatweed".

415132 to 415144. *SPARTINA PATENS* (Ait.) Muhl. Poaceae.

From United States. Vegetative material received from Soil Conservation Service, Plant Materials Center, Americus, Georgia. Received April 26, 1977.

415132 to 415144—Continued

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|----------------------------------|----------------------------------|
| 415132. AM 2697. | |
| 415133. AM 2879. Louisiana. | 415139. AM 2929. Florida |
| 415134. AM 2880. Louisiana. | 415140. AM 2952. Louisiana. |
| 415135. AM 2884. North Carolina. | 415141. AM 2953. Louisiana. |
| 415136. AM 2888. South Carolina. | 415142. AM 2961. Texas. |
| 415137. AM 2896. Florida. | 415143. AM 2962. Florida. |
| 415138. AM 2922. Louisiana. | 415144. AM 2983. North Carolina. |

415145. HORDEUM VULGARE L. Poaceae. Barley.

From India. Seed presented by Director, National Bureau of Plant Genetic Resources, New Delhi. Received April 18, 1977.

DL-88.

415146 to 415155.

From Israel. Seed presented by Z. Amitai, Agricultural Research Organization, The Volcani Center, Plant Introduction Service, Bet Dagan. Received April 12, 1977.

- 415146 to 415151. TRITICUM DICOCCOIDES (Koern. ex Asch. & Graebn.) Poaceae.**
- | | |
|-------------------|-------------------|
| Aaronsohn | |
| 415146. 1. G-114. | 415149. 4. G-233. |
| 415147. 2. G-217. | 415150. 5. G-278. |
| 415148. 3. G-225. | 415151. 6. G-288. |

415152 to 415155. TRITICUM sp.

415152. 7. Spontaneous hybrid. *Triticum dicoccoides* and unknown durum cultivar, Selection 4.
415153. 8. F₁₀ hybrid. (*Triticum durum* 'Nursit 163' × *T. dicoccoides* G-25) × *T. aestivum* 'Merav Selection 47'.
415154. 9. F₁₀ hybrid. *Triticum aestivum* 'M 708' × (*T. dicoccoides* G-25 × *T. durum* 'Nursit 163 Selection 110-1').
415155. 10. F₅ hybrid. *Triticum durum* 'Nursit 163' 1 *Aegilops ligustica* G-8 Selection 44.

415156. LEPTOCHLOA FUSCA (L.) Kunth Poaceae. Sprangletop.

From South Africa. Seed presented by T. C. Nel, Plant Introduction Officer, Division of Plant and Seed Control, Department of Agricultural Technical Services, Pretoria. Received April 25, 1977.

Orange Free State Region.

415157. ASTRAGALUS CICER L. Fabaceae. Milkvetch.

From Switzerland. Seed presented by Director, Institut de Botanique de l'Université, Neuchatel. Received May 2, 1977.

Le Mont sur Verocrin, Valais District. Elevation 1,300 m.

415158 to 415161. AVENA SATIVA L. Poaceae. Oats.

From Sweden. Seed presented by Gosta Olsson, Swedish Seed Association, Svalov. Received April 19, 1977.

415158. 'Dan'. (K 55078 1 Sv 01770) 1 'Condor'. Stiff straw. Spring type.
415159. 'Risto'. 'Pendek' 1 'Sisu'. Resistant to damage by fruit fly and barley yellow dwarf virus. Wide adaptation. Spring type.

415160. 'Sang'. (Sv 01771 1 Sv 56697) 1 'Condor'. Stiff straw, resists lodging. Spring type.

415161. 'Svea'. ('Voll' 1 'Blixt') 1 'Titus'. Wide adaptation.

415162 to 415167

From Argentina. Seed collected by Camilo L. Quarin, Departamento de Botanaica y Ecologia, Facultad de Ciencias Agrarias, Corrientes, and presented through Hugo A. Cordo, Biological Control of Weeds Research Laboratory, Bolivar, Hurlingham, Buenos Aires. Received May 4, 1977.

415162. *PANICUM* sp. Poaceae.

Candelaria and Santa Ana, Misiones Province.

415163. *PASPALUM MANDIOCANUM* var. *SUBAEQUIGLUME* Barreto Poaceae.

Garruchos, Corrientes Province.

415164. *PASPALUM PAUCICILIATUM* (Parodi) Herter

Corrientes, Corrientes Province.

415165. *PASPALUM PPLICATULUM* Michx.

Brownseed paspalum.

Villa Ana, Santa Fe Province.

415166. *PASPALUM REPENS* Bergius

"Aquatic". Ituzaingo, Corrientes Province.

415167. *PASPALUM SIMPLEX* Morong

Corrientes, Corrientes Province.

415168 to 415174. *GOSSYPIUM HIRSUTUM* L. Malvaceae.

Upland cotton.

From Yugoslavia. Seed presented by Boris Popov, Director, Institute for Cotton, Strumica. Received March 11, 1977.

415168. A/II. Early maturing. 415172. 5087. Early maturing.

415169. 104. Early maturing. 415173. 5097. Early maturing.

415170. 105. Early maturing. 415174. 5103. Early maturing.

415171. 5086. Early maturing.

415175 to 415177. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

From Italy. Seed presented October 1976 by Director, Istituto Sperimentale per la Cerealicoltura, Cassia, Rome. Numbered April 23, 1977.

415175. 'Gerardo 525'. 415177. 'Valnova'.

415176. 'Valgerardo'.

415178 to 415180. *GOSSYPIUM HIRSUTUM* L. Malvaceae.

Upland cotton.

From Ivory Coast. Seed produced by Cotton Research Station, Bouake, and presented through J. B. Roux, Division Genetique, Institut de Recherches du Coton et des Textiles Exotiques, Paris, France. Received April 12, 1977.

415178. T 120-7. HAR origin. 415180. U 585-12. HAR origin.

415179. T 399-19. HAR origin.

415181 to 415198. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

From Yugoslavia. Seed presented November 1976 by Josip Potocanac, OOUR Institute for Breeding and Production of Field Crops, Marulicev, Zagreb. Numbered May 4, 1977.

415181. Zg 758/73. Zg 414/57 × Leonardo.

415181 to 415198—Continued

415182. Zg. 884/73. (Zg 6877/61 × *Triticum timopheevi*) × Abbondanza.
 415183. Zg 2396/73. (Ra 295 Bo × Tp 114/1965 A) × 3814/67.
 415184. Zg 2463/74. (5484/62 × Tp 114/1965 A) × 5484/62.
 415185. Zg 2640/74. Zlatna Dolina × Tp 114/1965 A.
 415186. Zg 2734/74. (3814/65 × Tp 114/1965 A) × 3814/65) × Sanja.
 415187. Zg 2834/74. (Zlatna Dolina × ST 13786/60) × Zlatna Dolina.
 415188. Zg 2877/74. (5997/66 × Tp 114/1965 A) × 5997/66.
 415189. Zg 2922/74. (Zlatna Dolina × MGH 591) × Zlatna Dolina.
 415190. Zg 3007/73. (Sanja × Tp 114/1965 A) × 4730/66.
 415191. Zg 4163/73. 6877/61 × Tp 114/1965 A.
 415192. Zg 4240/73. ((3814/65 × Tp 114/1965 A) × 3814/65) × Sanja.
 415193. Zg 4343/73. (5997/66 × Tp 114/1965 A) × 5997/66.
 415194. Zg 4364/73. (5997/66 × Tp 114/1965 A) × 5997/66.
 415195. Zg 4430/72. (Sanja × Tp 114/1965 A) × 4730/66.
 415196. Zg 4431/73. (Sanja × Tp 114/1965 A) × 4730/66.
 415197. Zg 5435/73. Zg 414/57 × Leonardo.
 415198. Zg 5508/75. (Zlatna Dolina × MGH 591) × Zlatna Dolina.

415199 and 415200. ORYZA SATIVA L. Poaceae.**Rice.**

From India. Seed presented by Director, Central Rice Research Institute, Cuttack, Orissa State, through Division of Plant Genetic Resources, Indian Agricultural Research Institute Campus, New Delhi-Pin. Received March 15, 1977.

415199. Pusa-2-21 (Kannagi).

415200. Vani.

415201 to 415205. GOSSYPIUM HIRSUTUM L. Malvaceae.**Upland cotton.**

From Chad. Seed presented by Station de Bebedjia, Moundou, through J. B. Roux, Division Genetique, Institut de Recherches du Coton et des Textiles Exotiques, Paris, France. Received March 14, 1977.

415201. 'BJA Glandless Nectariless'.

415202. 'F 280'. BJA³ 1 'Deltapine Smooth Leaf' glandless. Has 'Triumph' and 'N'Kourala' background. Large bolls and seds, good spinning performance (low neppiness and good strength). Best glandless variety in Africa. Bacterial blight resistant.

415203. 'F 281'. Y 1638² 1 M 11 glandless. Has 'Triumph' and 'N'Kourala' background. Large bolls and seeds. High ginning out-turn. Bacterial blight resistant. Glandless.

415204. 'Pan 575'. From a panmixia made in 1963 and 1964. Has 'N'Kourala' and 'Allen' origin. Almost naked seed. Very good fiber length and strength, low neppiness. Bacterial blight resistant.

415205. 'Reba P 279'. 'Reba B-50' 1 'Deltapine Smooth Leaf'. Good fiber length, high strength. Good ginning out-turn. Bacterial blight resistant. Very good yielder under Paraguayan conditions.

415206 to 415285. ZEA MAYS L. Poaceae.**Corn.**

From Yugoslavia. Seed collected 1976 in Macedonia Republic and presented by Djamandi Korneti, Zemjodelski Institut, Skopje, under Public Law 480 Project YO-ARS-26. Received March 9, 1977.

415206 to 415285—Continued

| | |
|-------------------|-------------------|
| 415206. VIII/160. | 415246. VIII/200. |
| 415207. VIII/161. | 415247. VIII/201. |
| 415208. VIII/162. | 415248. VIII/202. |
| 415209. VIII/163. | 415249. VIII/203. |
| 415210. VIII/164. | 415250. VIII/204. |
| 415211. VIII/165. | 415251. VIII/205. |
| 415212. VIII/166. | 415252. VIII/206. |
| 415213. VIII/167. | 415253. VIII/207. |
| 415214. VIII/168. | 415254. VIII/208. |
| 415215. VIII/169. | 415255. VIII/209. |
| 415216. VIII/170. | 415256. VIII/210. |
| 415217. VIII/171. | 415257. VIII/211. |
| 415218. VIII/172. | 415258. VIII/212. |
| 415219. VIII/173. | 415259. VIII/213. |
| 415220. VIII/174. | 415260. VIII/214. |
| 415221. VIII/175. | 415261. VIII/215. |
| 415222. VIII/176. | 415262. VIII/216. |
| 415223. VIII/177. | 415263. VIII/217. |
| 415224. VIII/178. | 415264. VIII/218. |
| 415225. VIII/179. | 415265. VIII/219. |
| 415226. VIII/180. | 415266. VIII/220. |
| 415227. VIII/181. | 415267. VIII/221. |
| 415228. VIII/182. | 415268. VIII/222. |
| 415229. VIII/183. | 415269. VIII/223. |
| 415230. VIII/184. | 415270. VIII/224. |
| 415231. VIII/185. | 415271. VIII/225. |
| 415232. VIII/186. | 415272. VIII/226. |
| 415233. VIII/187. | 415273. VIII/227. |
| 415234. VIII/188. | 415274. VIII/228. |
| 415235. VIII/189. | 415275. VIII/229. |
| 415236. VIII/190. | 415276. VIII/230. |
| 415237. VIII/191. | 415277. VIII/231. |
| 415238. VIII/192. | 415278. VIII/232. |
| 415239. VIII/193. | 415279. VIII/233. |
| 415240. VIII/194. | 415280. VIII/234. |
| 415241. VIII/195. | 415281. VIII/235. |
| 415242. VIII/196. | 415282. VIII/236. |
| 415243. VIII/197. | 415283. VIII/237. |
| 415244. VIII/198. | 415284. VIII/238. |
| 415245. VIII/199. | 415285. VIII/239. |

415286 to 415296. SACCHARUM (hybrid) Poaceae. Sugarcane.

From Brazil. Cuttings presented by Director, Ministry of Agriculture, Planalsucar,

Estacao Central-Sul, Araras, Sao Paulo. Received April 29, 1977.

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|-------------------|--------------------|
| 415286. CB36-24. | 415292. CB49-260. |
| 415287. CB40-13. | 415293. IAC48/65. |
| 415288. CB40-69. | 415294. IAC50/134. |
| 415289. CB40-77. | 415295. IAC51/205. |
| 415290. CB41-76. | 415296. IAC52/326. |
| 415291. CB47-355. | |

415297 to 415475.

From Yugoslavia. Seed collected 1976 in Macedonia Republic and presented by

Lazar Babamov, Zemjodelski Institut, Skopje, under Public Law 480 Project

YO-ARS-26. Received March 1, 1977.

415297 to 415311. AVENA SATIVA L. Poaceae. Oats.

| | |
|----------------|----------------|
| 415297. VI/32. | |
| 415298. VI/33. | 415305. VI/40. |
| 415299. VI/34. | 415306. VI/41. |
| 415300. VI/35. | 415307. VI/42. |
| 415301. VI/36. | 415308. VI/43. |
| 415302. VI/37. | 415309. VI/44. |
| 415303. VI/38. | 415310. VI/45. |
| 415304. VI/39. | 415311. VI/46. |

415312 to 415367. HORDEUM VULGARE L. Poaceae. Barley.

| | |
|-----------------|-----------------|
| 415312. IV/119. | 415334. IV/141. |
| 415313. IV/120. | 415335. IV/142. |
| 415314. IV/121. | 415336. IV/143. |
| 415315. IV/122. | 415337. IV/144. |
| 415316. IV/123. | 415338. IV/145. |
| 415317. IV/124. | 415339. IV/146. |
| 415318. IV/125. | 415340. IV/147. |
| 415319. IV/126. | 415341. IV/148. |
| 415320. IV/127. | 415342. IV/149. |
| 415321. IV/128. | 415343. IV/150. |
| 415322. IV/129. | 415344. IV/151. |
| 415323. IV/130. | 415345. IV/152. |
| 415324. IV/131. | 415346. IV/153. |
| 415325. IV/132. | 415347. IV/154. |
| 415326. IV/133. | 415348. IV/155. |
| 415327. IV/134. | 415349. IV/156. |
| 415328. IV/135. | 415350. IV/157. |
| 415329. IV/136. | 415351. IV/158. |
| 415330. IV/137. | 415352. IV/159. |
| 415331. IV/138. | 415353. IV/160. |
| 415332. IV/139. | 415354. IV/161. |
| 415333. IV/140. | 415355. IV/162. |

415297 to 415475—Continued

415312 to 415367—Continued

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|-----------------|-----------------|
| 415356. IV/163. | 415362. IV/169. |
| 415357. IV/164. | 415363. IV/170. |
| 415358. IV/165. | 415364. IV/171. |
| 415359. IV/166. | 415365. IV/172. |
| 415360. IV/167. | 415366. IV/173. |
| 415361. IV/168. | 415367. IV/174. |

415368 to 415413. SECALE CEREALE L. Poaceae.

Rye.

| | |
|---------------|----------------|
| 415368. V/75. | 415391. V/98. |
| 415369. V/76. | 415392. V/99. |
| 415370. V/77. | 415393. V/100. |
| 415371. V/78. | 415394. V/101. |
| 415372. V/79. | 415395. V/102. |
| 415373. V/80. | 415396. V/103. |
| 415374. V/81. | 415397. V/104. |
| 415375. V/82. | 415398. V/105. |
| 415376. V/83. | 415399. V/106. |
| 415377. V/84. | 415400. V/107. |
| 415378. V/85. | 415401. V/108. |
| 415379. V/86. | 415402. V/109. |
| 415380. V/87. | 415403. V/110. |
| 415381. V/88. | 415404. V/111. |
| 415382. V/89. | 415405. V/112. |
| 415383. V/90. | 415406. V/113. |
| 415384. V/91. | 415407. V/114. |
| 415385. V/92. | 415408. V/115. |
| 415386. V/93. | 415409. V/116. |
| 415387. V/94. | 415410. V/117. |
| 415388. V/95. | 415411. V/118. |
| 415389. V/96. | 415412. V/119. |
| 415390. V/97. | 415413. V/120. |

415414 to 415444. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

| | |
|---------------|---------------|
| 415414. I/72. | 415426. I/84. |
| 415415. I/73. | 415427. I/85. |
| 415416. I/74. | 415428. I/86. |
| 415417. I/75. | 415429. I/87. |
| 415418. I/76. | 415430. I/88. |
| 415419. I/77. | 415431. I/89. |
| 415420. I/78. | 415432. I/90. |
| 415421. I/79. | 415433. I/91. |
| 415422. I/80. | 415434. I/92. |
| 415423. I/81. | 415435. I/93. |
| 415424. I/82. | 415436. I/94. |
| 415425. I/83. | 415437. I/95. |

415297 to 415475—Continued

415414 to 415444—Continued

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|---------------|----------------|
| 415438. I/96. | 415442. I/100. |
| 415439. I/97. | 415443. I/101. |
| 415440. I/98. | 415444. I/102. |
| 415441. I/99. | |

415445 to 415453. TRITICUM DURUM Desf. Durum wheat.

| | |
|----------------|-----------------------|
| 415445. II/6. | 415450. II/L-ZT1. |
| 415446. II/7. | 415451. II/L-M 117. |
| 415447. II/8. | 415452. II/L-A7-22-3. |
| 415448. II/9. | 415453. II/N-233. |
| 415449. II/10. | |

415297 to 415475—Continued

415454 to 415475. TRITICUM TURGIDUM L. Poulard wheat.

| | |
|-----------------|-----------------|
| 415454. III/9. | 415466. III/21. |
| 415455. III/10. | 415467. III/22. |
| 415456. III/11. | 415468. III/23. |
| 415457. III/12. | 415469. III/24. |
| 415458. III/13. | 415470. III/25. |
| 415459. III/14. | 415471. III/26. |
| 415460. III/15. | 415472. III/27. |
| 415461. III/16. | 415473. III/28. |
| 415462. III/17. | 415474. III/29. |
| 415463. III/18. | 415475. III/30. |
| 415464. III/19. | |
| 415465. III/20. | |

415476. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.
 From Australia. Seed presented by Berger and Palte Company, San Francisco, California. Numbered May 3, 1977. UNL 185. Seed blue.

415477 to 415628. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.

From India. Seed presented by V. S. Ramanathan, Central Revenues Control Laboratory, Indian Agricultural Research Institute, Pusa Institute, New Delhi. Numbered May 3, 1977.

415477. UNL 186. Local name Apudi. Junakobra, Jhalawar District. Rajasthan State. Seed light brown.

415477 to 415628—Continued

415478. UNL 187. Local name Affudi. Good Revenue Field #764. Dungar Goan, Jhalawar District, Rajasthan State. Flowers white, seed light brown.
415479. UNL 188. Local name Affudi. Good Revenue Field #162. Dungar Goan, Jhalawar District, Rajasthan State. Flowers white, seed light brown.
415480. UNL 189. Local name Khatyya. Good Revenue Field #189. Salavad, Jhalawar District, Rajasthan State. Flowers white, seed light brown.
415481. UNL 190. Local name Dholam. Good Revenue Field #224 and 227. Khedla, Jhalawar District, Rajasthan State. Flowers white, seed light brown.
415482. UNL 191. Local name Affudi. Good Revenue Field #278. Khedla, Jhalawar District, Rajasthan State. Flowers white, seed light brown.
415483. UNL 192. Local name Affudi. Good Revenue Field #278. Jhalawar District, Rajasthan State. Flowers white, seed light brown.
415484. UNL 193. Local name Affudi. Good Revenue Field #23. Juna Khara, Jhalawar District, Rajasthan State. Flowers white, seed light brown.
415485. UNL 194. Local name Katia. Good Revenue Field #284. Salavad, Jhalawar District, Rajasthan State. Flowers white, seed brown.
415486. UNL 195. Local name Katia. Good Revenue Field #284. Salavad, Jhalawar District, Rajasthan State. Seed light brown.
415487. UNL 196. Local name Affudi. Good Revenue Field #277. Junakhora, Jhalawar District, Rajasthan State. Seed light brown.
415488. UNL 197. Local name Telia seed Kantia. Basad, Pratabgarh, Chittorgarh District, Rajasthan State. Seed white.
415489. UNL 198. Local name Gulabia. Kuni S. Plot 42 and 68. Pratabgarh, Chittorgarh District, Rajasthan State. Seed white.
415490. UNL 199. Local name Telia Kantia. Salarpura Kalan, Pratabgarh, Chittorgarh District, Rajasthan State. Seed white.
415491. UNL 200. Local name Telia Kantia. Salarpura Kalan S. Plot No. 424. Pratabgarh, Chittorgarh District, Rajasthan State. Seed white.
415492. UNL 201. Local name Gulabia without Kantia (Gelania). S. Plot No. 552. Basera, Pratabgarh, Chittorgarh District, Rajasthan State. Seed white.
415493. UNL 202. Local name Telia. S. Plot No. 499. Basera, Pratabgarh, Chittorgarh District, Rajasthan State. Seed white.
415494. UNL 203. Local name Telia. S. Plot No. 497. Basera, Pratabgarh, Chittorgarh District, Rajasthan State. Seed white.
415495. UNL 204. Local name Telia. S. Plot No. 970 and 971. Pratabgarh, Chittorgarh District, Rajasthan State. Seed white.
415496. UNL 205. Local name Telia Kantia. S. Plot No. 749 and 853. Rathanjana, Pratabgarh, Chittorgarh District, Rajasthan State.
415497. UNL 206. Local name Gulabia. S. Plot No. 108. Hadi ji ka piplia, Pratabgarh, Chittorgarh District, Rajasthan State.
415498. UNL 207. Local name Gailania. S. Plot No. 925, 934, 935, and 523. Kulthana, Pratabgarh, Chittorgarh District, Rajasthan State.
415499. UNL 208. Local name Ranjhad. Karawan, Pachpahar, Jhalawar District, Rajasthan State.

415477 to 415628—Continued

415500. UNL 209. Local name Ranjhar. Karawan, Pachpahar, Jhalawar District, Rajasthan State.
415501. UNL 210. Local name Chhota Dhaturia. Granglia Kheri, Pachpahar, Jhalawar District, Rajasthan State.
415502. UNL 211. Local name Chhota Dhaturia. Granglia Kheri, Pachpahar, Jhalawar District, Rajasthan State.
415503. UNL 212. Local name Lehria. Curodia Bhrata, Pachpahar, Jhalawar District, Rajasthan State.
415504. UNL 213. Local name Dhoolia. Curodia Bharta, Pachpahar, Jhalawar District, Rajasthan State.
415505. UNL 214. Local name Lehria Kanthlia. Khokhria Kalan, Pachpahar, Jhalawar District, Rajasthan State.
415506. UNL 215. Local name Lehria Kantulia. Khokhria Kalan, Pachpahar, Jhalawar District, Rajasthan State.
415507. UNL 216. Local name Telia Kantia. Garnavad, Pachpahar, Jhalawar District, Rajasthan State.
415508. UNL 217. Local name Telia Kantia. Garnavad, Pachpahar, Jhalawar District, Rajasthan State.
415509. UNL 218. Local name Dholia Bada. Missoli, Pachpahar, Jhalawar District, Rajasthan State.
415510. UNL 219. Local name Telia. Sahalpura, Bhilwara District, Rajasthan State. Seed white.
415511. UNL 220. Local name Teliya Gnotiya. Bhatwara Khard, Bhilwara District, Rajasthan State. Seed white.
415512. UNL 221. Local name Safed Katia. Bhatwara Khard, Bhilwara District, Rajasthan State. Seed white.
415513. UNL 222. Local name Teliya Gnotia. Nanduria Tensil Raipur, Bhilwara District, Rajasthan State. Seed white.
415514. UNL 223. Local name Teliya Gnotia. Nandsa Tensil Raipur, Bhilwara District, Rajasthan State. Seed white.
415515. UNL 224. Local name Safed Katia. Nandsa Tensil Raipur, Bhilwara District, Rajasthan State. Seed white.
415516. UNL 225. Local name Safed Katiya. Suwana, Bhilawara District, Rajasthan State. Seed white.
415517. UNL 226. Local name Telia. Ghawal, Kotri, Bhilwara District, Rajasthan State. Seed white.
415518. UNL 227. Local name Safed Katia. Ghawal, Kohri, Bhilwara District, Rajasthan State. Seed white.
415519. UNL 228. Local name Telia. Gnawal, Kotri, Bhilwara District, Rajasthan State. Seed white.
415520. UNL 229. Local name Kantia. Gnawal, Kotri, Bhilwara District, Rajasthan State. Seed white.
415521. UNL 230. Local name Dhola Ghotia. Survey No. 339 and 349. Antana, Atru, Kota District, Rajasthan State. Seed light grey.

415477 to 415628—Continued

415522. UNL 231. Local name Dhola Ghotia. Survey No. 603. Antana, Atru, Kota District, Rajasthan State. Seed white.
415523. UNL 232. Survey No. 462. Antana, Atru, Kota District, Rajasthan State. Seed white.
415524. UNL 233. Survey No. 351, 637, 818. Antana, Atru, Kota District, Rajasthan State. Seed light grey.
415525. UNL 234. Local name Ghogalia. Survey No. 131. Musin Mata, Patna, Atru, Kota District, Rajasthan State. Seed light grey.
415526. UNL 235. Local name Ghogalia. Survey No. 336. Musain Mata, Patna, Atru, Kota District, Rajasthan State. Seed light grey.
415527. UNL 236. Local name Dhola Ghotia. Survey No. 541. Musain Mata, Patna, Atru, Kota District, Rajasthan State. Seed light grey.
415528. UNL 237. Local name Dhola Ghotia. Survey No. 700. Umedganj, Patna, Atru, Kota District, Rajasthan State. Seed white.
415529. UNL 238. Local name Dhola Ghotia. Survey No. 600. Umedganj, Patna, Atru, Kota District, Rajasthan State. Seed grey.
415530. UNL 239. Local name Dhola Ghotia. Survey No. 514. Umedganj, Patna, Atru, Kota District, Rajasthan State. Seed light grey.
415531. UNL 240. Local name Dhola Ghotia. Survey No. 221. Antana, Atru, Kota District, Rajasthan State. Seed white.
415532. UNL 241. Local name Kala Ghotia (Manpuria). Ramori, Kota District, Rajasthan State. Seed white.
415533. UNL 242. Local name Dhola Ghotia. Sukhneri, Kota District, Rajasthan State. Seed white.
415534. UNL 243. Local name Kala Ghotia (Manpuria). Mundkia, Kota District, Rajasthan State. Seed white.
415535. UNL 244. Local name Dheliya Ghotia. Bilandi II, Kota District, Rajasthan State. Seed white.
415536. UNL 245. Local name Dholiya Ghotia. Bhayapura, Kota District, Rajasthan State. Seed white.
415537. UNL 246. Local name Dhola Ghotia. Dholam, Kota District, Rajasthan State. Seed white.
415538. UNL 247. Local name Dhola Ghotia. Bamori, Kota District, Rajasthan State. Seed white.
415539. UNL 248. Local name Kala Ghotia (Manpuria). Mundkiya, Kota District, Rajasthan State. Seed white.
415540. UNL 249. Local name Kala Ghotia (Manpuria). Digod Jagir, Kota District, Rajasthan State. Seed white.
415541. UNL 250. Local name Kala Ghotia (Manpuria). Kariya Nohar, Kota District, Rajasthan State. Seed white.
415542. UNL 251. Local name Kala Ghotia (Manpuria). Digojagir, Kota District, Rajasthan State. Seed white.

415477 to 415628—Continued

415543. UNL 252. Local name Dholiya Bara (Arnoda). Bangreda, Nimbahera, Chittorgarh District, Rajasthan State. Seed white with yellow-grey tinge. Crop largely affected by downy and powdery mildews.
415544. UNL 253. Local name Telia. Bangreda, Nimbahera, Chittorgarh I Division, Rajasthan State. Seed white with yellow-grey tinge. Crop largely affected by downy and powdery mildews.
415545. UNL 254. Local name Telia (from Arnoda). Chittorgarh, Chittorgarh District, I Division, Rajasthan State. Seed white with yellow-gray tinge. Crop largely affected by downy and powdery mildews.
415546. UNL 255. Local name Teliya. Jalampura, Chittorgarh, Chittorgarh District, I Division, Rajasthan State. Seed white with yellow-grey tinge. Crop largely affected by downy and powdery mildews.
415547. UNL 256. Local name Telia. Patnia, Chittorgarh, Chittorgarh District, I Division, Rajasthan State. Seed with yellow-grey tinge. Crop largely affected by downy and powdery mildews.
415548. UNL 257. Local name Dholiya (from Arnoda). Arnia Panth, Chittorgarh, Chittorgarh District, I Division, Rajasthan State. Seed white with yellow-grey tinge. Crop largely affected by downy and powdery mildews.
415549. UNL 258. Local name Dholia (from Dholam). Samri, Chittorgarh, Chittorgarh District, I Division, Rajasthan State. Seed white with yellow-grey tinge. Crop largely affected by downy and powdery mildews.
415550. UNL 259. Local name Dholia (from Dholam). Samri, Chittorgarh, Chittorgarh District, I Division, Rajasthan State. Seed white with yellow-grey tinge. Crop largely affected by downy and powdery mildews.
415551. UNL 260. Local identification IX. Jetpura, Chittorgarh, Chittorgarh District, I Division, Rajasthan State. Seed white with yellow-grey tinge. Crop largely affected by downy and powdery mildews.
415552. UNL 261. Local name Dholia (from Dholam). Arnia Joshi, Chittorgarh, Chittorgarh District, I Division, Rajasthan State. Seed white with yellow-grey tinge. Crop largely affected by downy and powdery mildews.
415553. UNL 262. Local name Dholia. Arnoda, Nimbahera, Chittorgarh District I Division, Rajasthan State. Seed white with yellow-grey tinge. Crop largely affected by downy and powdery mildews.
415554. UNL 263. Local name Dholia. Arnoda, Nimbahera, Chittorgarh District, I Division, Rajasthan State. Seed white with yellow-grey tinge. Crop largely affected by downy and powdery mildews.
415555. UNL 264. Local name Kantia. Karunda, Chhoti Sadri, Chittorgarh District, II Division, Rajasthan State. Seed white.
415556. UNL 265. Local name Telia. Malavda, Chhoti Sadri, Chittorgarh District, II Division, Rajasthan State. Seed brownish white.
415557. UNL 266. Local name Telia Kantia. Kesunda, Chhoti Sadri, Chittorgarh District, II Division, Rajasthan State. Seed brownish white.
415558. UNL 267. Local name White Kantia. Badi, Nimbahera, Chittorgarh District, II Division, Rajasthan State. Seed white.

415477 to 415628—Continued

415559. UNL 268. Local name Telia. Munda Gul Farshan, Nimbahera, Chittorgarh District, II Division, Rajasthan State. Seed brownish white.
415560. UNL 269. Local name White Kantia. Mangro, Nimbahera, Chittorgarh District, II Division, Rajasthan State. Seed white.
415561. UNL 270. Local name Telia. Jai Singh Pura, Badi Sadri, Chittorgarh District II Division, Rajasthan State. Seed brownish white.
415562. UNL 271. Local name Telia. Gajan Devi, Badi Sadri, Chittorgarh District, II Division, Rajasthan State. Seed brownish white.
415563. UNL 272. Local name Telia Kantia. Umedpura, Badi Sadri, Chittorgarh District, II Division, Rajasthan. Seed brownish white.
415564. UNL 273. Local name Telia. Dolwas, Dungla, Chittorgarh District, II Division, Rajasthan State. Seed brownish white.
415565. UNL 274. Local name Kantia Telia. Billot, Dungla, Chittorgarh District, II Division, Rajasthan State. Seed brownish white.
415566. UNL 275. Local name Dhaturia. Solana, Khanpur, Aklera District. Seed white.
415567. UNL 276. Local name Dhaturia. Aklera District. Seed white.
415568. UNL 277. Local name Gelania. Aklera District. Seed white.
415569. UNL 278. Local name Rangatak. Foongahedi, Khanpur, Aklera District. Seed light yellow.
415570. UNL 279. Local name Talia Ghotia. Khanpur, Aklera District. Seed white.
415571. UNL 280. Local name Dholia Ghotia. Vishan Kedi, Khanpur, Aklera District. Seed white.
415572. UNL 281. Local name Dholia Ghotia. Kolukhadi, Khanpur, Aklera District. Seed white.
415573. UNL 282. Local name Dholiya. Miyanda, Khanpur, Aklera District. Seed white.
415574. UNL 283. Local name Dholia Ghotia. Bheru Pura Bagher, Khanpur, Aklera District. Seed white.
415575. UNL 284. Local name Ran-Jhatak. Chaghamonda, Khanpur, Aklera District.
415576. UNL 285. Local name Gelania. Rotykhadi, Khanpur, Aklera District. Seed white.
415577. UNL 286. Local name Bhabhotia. Lalpur Kalan, Pargana Satrikh, Barabanki District, I Division, Uttar Pradesh. Seed yellow.
415578. UNL 287. Local name Kali-Danri. Lalpur Kalan, Pargana Satrikh, Barabanki District, I Division, Uttar Pradesh. Seed yellow.
415579. UNL 288. Local name Kalidanri. Lalpur Kalan, Pargana Satrikh, Barabanki District, I Division, Uttar Pradesh. Seed yellow.
415580. UNL 289. Local name Bhabhotia. Lalpur Kalan, Pargana Satrikh, Barabanki District, I Division, Uttar Pradesh. Seed yellow.
415581. UNL 290. Local name Kalidanri. Lalpur Kalan, Pargana Satrikh, Barabanki District, I Division, Uttar Pradesh. Seed yellow.

415477 to 415628—Continued

415582. UNL 291. Local name Kalidanri. Lalpur Kalan, Pargana Satrikh, Barabanki District, I Division, Uttar Pradesh. Seed yellow.
415583. UNL 292. Local name Kataila. Lalpur Kalan, Pargana Satrikh, Barabanki District, I Division, Uttar Pradesh. Seed yellow.
415584. UNL 293. Local name Kalidanri. Lalpur Kalan, Pargana Satrikh, Barabanki District, I Division, Uttar Pradesh. Seed yellow.
415585. UNL 294. Local name Bhabhotia. Lalpur Kalan, Pargana Satrikh, Barabanki District, I Division, Uttar Pradesh. Seed yellow.
415586. UNL 296. Local name Kali Dandy. Dadara, Barabanki District, II Division, Uttar Pradesh.
415587. UNL 297. Local name Kali Dandy. Dadara, Barabanki District, II Division, Uttar Pradesh. Seed yellowish white.
415588. UNL 298. Local name Kali Dandy. Dadara, Barabanki District, II Division, Uttar Pradesh. Seed yellowish white.
415589. UNL 299. Local name Kali Dandy. Dadara, Pargana Pratapganj, Barabanki District, II Division, Uttar Pradesh. Seed yellowish white.
415590. UNL 300. Local name Kali Dandy. Dadara, Barabanki District, II Division, Uttar Pradesh. Seed yellowish white.
415591. UNL 301. Local name Kali Dandy. Dadara, Barabanki District, II Division, Uttar Pradesh. Seed yellowish white.
415592. UNL 302. Local name Kali Dandy. Dadara, Barabanki District, II Division, Uttar Pradesh. Seed yellowish white.
415593. UNL 303. Local name Kali Dandy. Dadara, Barabanki District, II Division, Uttar Pradesh. Seed yellowish white.
415594. UNL 304. Local name Kali Dandy. Dadara, Barabanki District, II Division, Uttar Pradesh. Seed yellowish white.
415595. UNL 305. Local name Kali Dandy. Dadara, Barabanki District, II Division, Uttar Pradesh. Seed yellowish white.
415596. UNL 306. Local name White Dandy. Sadullahpur, Post-Kothi, Barabanki District, III Division, Uttar Pradesh. Seed white yellow.
415597. UNL 307. Local name Kalidandy. Sadullahpur, Post-Kothi, Barabanki District, III Division, Uttar Pradesh. Seed white yellow.
415598. UNL 308. Local name White Dandy. Sadullahpur, Post-Kothi, Barabanki District, III Division, Uttar Pradesh. Seed white yellow.
415599. UNL 309. Local name White Dandy. Sadullahpur, Post-Kothi, Barabanki District, III Division, Uttar Pradesh. Seed white yellow.
415600. UNL 310. Local name Black Dandy. Sadullahpur, Post-Kothi, Barabanki District, III Division, Uttar Pradesh. Seed white yellow.
415601. UNL 311. Local name Kali Dandy. Sadullahpur, Post-Kothi, Barabanki District, III Division, Uttar Pradesh. Seed white yellow.
415602. UNL 312. Local name Kali Dandy. Sadullahpur, Post-Kothi, Barabanki District, III Division, Uttar Pradesh. Seed white yellow.

415477 to 415628—Continued

415603. UNL 313. Local name White Dandy. Sadullahpur, Post-Kothi, Barabanki District, III Division, Uttar Pradesh. Seed white yellow.
415604. UNL 314. Local name Kali Dandy. Sadullahpur, Post-Kothi, Barabanki District, III Division, Uttar Pradesh. Seed white yellow.
415605. UNL 315. Local name White Dandy. Sadullahpur, Post-Kothi, Barabanki District, III Division, Uttar Pradesh. Seed white yellow.
415606. UNL 316. Local name Bharbhara. Sibar, Pargana Magalsi, Faizabad District, Uttar Pradesh. Seed white.
415607. UNL 317. Local name Bharbhara. Begamganj, Parganj, Pargana Magalsi, Faizabad District, Uttar Pradesh. Seed white.
415608. UNL 318. Local name Bhakuwa. Majhnaran, Pargana Magalsi, Faizabad District, Uttar Pradesh. Seed white. Up to eight lancements are done on this variety.
415609. UNL 319. Local name Bhakuwa. Majhnaran, Pargana Magalsi, Faizabad District, Uttar Pradesh. Seed white. Up to eight lancements are done on this variety.
415610. UNL 320. Local name Kalidandi. Nauhari, Pargana Reth, Faizabad District, Uttar Pradesh. Seed white, less production.
415611. UNL 321. Local name Kalidandi. Purey Beni Shankul, Pargana Rath, Faizabad District, Uttar Pradesh. Seed white, less production.
415612. UNL 326. Local name Katha Bhabhutiya. P. Haidargarh, Barabanki District, Uttar Pradesh. Seed white.
415613. UNL 327. Local name Katha Bhabhutiya. Bhawaniyapur, P. Haidargarh, Barabanki District, Uttar Pradesh. Seed white.
415614. UNL 328. Local name Katha Bhabhutiya. Jemil Nogah, Luchnow District, Uttar Pradesh. Seed white.
415615. UNL 329. Local name Katha Bhabhutiya. Gumwasenen, P. Phhanhalguiz, Luchknow District, Uttar Pradesh. Seed white.
415616. UNL 330. Local name Katha Bhabhutiya. Rampur, P. Haidargard, Barabanki District, Uttar Pradesh. Seed white.
415617. UNL 331. Local name Katha Bhabhutiya. Rambhi, P. Haidargarh Barabanki District, Uttar Pradesh. Seed white.
415618. UNL 332. Local name Katha Bhabhutiya. Sari-Hara, P. Dawa, Barabanki District, Uttar Pradesh. Seed white.
415619. UNL 333. Local name Katha Bhabhutiya. Baburigawn, P. Dawa, Barabanki District, Uttar Pradesh. Seed white.
415620. UNL 334. Local name Katha Bhabhutiya. Bahuda Icala, P. Kumhrawa, Baibareilly District, Uttar Pradesh. Seed white.
415621. UNL 335. Local name Katha Bhabhutiya. Balimpur, Birunwa, Luchknow District, Uttar Pradesh. Seed white.
415622. UNL 337. Local name Suwapankhi. Hulaspur, Faridpur, Shahjahanpur District, Uttar Pradesh. Seed white.
415623. UNL 338. Local name Kaladandi. Dabhaura, Tilhar, Shahjahanpur District, Uttar Pradesh. Seed white.

415477 to 415628—Continued,

415624. UNL 340. Local name Kaladandi-Kataila. Gularia, Pargana Jalalabad, Shahjahanpur District, Uttar Pradesh. Seed white.

415625. UNL 341. Local name Kaladandi-Kataila. Sahabganj Kakara, Jalalabad, Shahjahanpur District, Uttar Pradesh. Seed white.

415626. UNL 342. Local name Kaladandi-Kataila. Sahabganj Kakara, Jalalabad, Shahjahanpur District, Uttar Pradesh. Seed white.

415627. UNL 344. Local name Kaladandi-Kataila. Korabanda, Pargana Jalalabad, Shahjahanpur District, Uttar Pradesh. Seed white.

415628. UNL 345. Local name Kataila-Kataila-Kalidandi. Gurgaon, Pargana Jalalabad, Shahjahanpur District, Uttar Pradesh. Seed white.

415629 and 415630.

From United States. Seed presented by H. N. Metcalf, Department of Plant and Soil Science, Montana State University, Bozeman, Montana. Numbered May 4, 1977.

415629. *ALCEA ROSEA* L. Malvaceae. **Hollyhock.**

Single flowered, tall growing. Gathered from an abandoned garden in Bozeman, Montana, where they had proliferated naturally for many years. Locally referred to as the "Hughes" strain.

415630. *ILIAMNA RIVULARIS* (Dougl.) Greene Malvaceae. **Wild hollyhock.**

Native species. Vigorous perennial, capable of growing to 2 m tall. Growing in an abandoned garden, Bozeman, Montana.

415631. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.**

From India. Seed presented by S. M. Patel, Biology and Agriculture Division, Bhabha Atomic Research Center, Bombay, through Division of Plant Genetic Resources, Indian Agricultural Research Institute, New Delhi. Received April 18, 1977.

'Clorina'.

415632 and 415633. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Philippines. Seed presented by Director, International Rice Research Institute, Manila. Received April 27, 1977.

415632. IRRI 32643. IR1721-11-6-8-3-2.

415633. HPYT 713. IR2044-409 (72 DS).

415634. *VIGNA LUTEOLA* (Jacq.) Benth. Fabaceae.

From United States. Seed collected by M. J. Lukefahr, Cotton Insect Research, Agricultural Research Service, Brownsville, Texas, and held by Regional Plant Introduction Station, Experiment, Georgia. Received May 13, 1977.

Tivoli, Texas. Flower yellow. Native to southern Texas. Wild.

415635 to 415638. *LIMNANTHES DOUGLASHII* R. Br. Limnanthaceae. **Douglas meadowfoam.**

From United States. Seed collected June 1976 by Jim Crane, Farm Crops Department, Oregon State University, Corvallis, Oregon. Numbered May 20, 1977.

415635 to 415638—Continued

415635. Oregon Collection 9. Northeast corner of Highway 99 and Umpqua Community College Road, Douglas County.
415636. Oregon Collection 11. On Wilber to Glide Road, 2 km east of Highway 99, Douglas County.
415637. Oregon Collection 12. East side of Interstate 5, 0.8 km south of exit 150, Yoncalla-Drain, Douglas County.
415638. Oregon Collection 13. In field south of Yoncalla VFW Hall on Highway 99, Douglas County.

415639 to 415655. CENCHRUS CILLIARIS L. Poaceae. Buffelgrass.

From India. Seed presented by Director, National Bureau of Plant Genetic Resources, Indian Agricultural Research Institute, New Delhi. Received April 19, 1977.

415639. RM 1. Originally from Gujrat State.
415640. RM 4. Originally from Gujrat State.
415641. RM 5. Originally from Gujrat State.
415642. RM 6. Originally from Gujrat State.
415643. RM 7. Originally from Gujrat State.
415644. RM 8. Originally from Gujrat State.
415645. RM 9. Originally from Gujrat State.
415646. RM 11. Originally from Gujrat State.
415647. RM 12. Originally from Gujrat State.
415648. RM 13. Originally from Gujrat State.
415649. RM 14. Originally from Gujrat State.
415650. RM 15. Originally from Gujrat State.
415651. RM 16. Originally from Gujrat State.
415652. RM 17. Originally from Gujrat State.
415653. RM 21. Originally from Gujrat State.
415654. RM 23. Originally from Gujrat State.
415655. RM 24. Originally from Gujrat State.

415656 to 415666. ORYZA SATIVA L. Poaceae. Rice.

From Turkey. Seed presented by The Director, E. U. Ziraat Fakultesi, Agroekoloji Kursusu, Bornova, Izmir. Received April 25, 1977.

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|--------------------------|-----------------------------|
| 415656 Baldo 6/6-12. | 415662. Rocco 6/6-11. |
| 415657. Bonni 6/6-4. | 415663. Roma 6/6-13. |
| 415658. Fujisaka 6/6-9. | 415664. Sari Celtik 6/6-15. |
| 415659. Kirceltigi 7701. | 415665. Sezia 6/6-10. |
| 415660. Misir 6/3-8. | 415666. Vitra 6/6-3. |
| 415661. Ringo 6/6-5. | |

415667 to 415677. ORYZA SATIVA L. Poaceae. Rice.

From Puerto Rico. Seed presented by Director, Agricultural Experiment Station, University of Puerto Rico, Rio Piedras. Received April 21, 1977.

415667. 'Amposta'.
415668. 'Ballila'.

415667 to 415677—Continued

415669. 'Chontalpa 16'. Medium grain.
 415670. 'Chontalpa 159'. Semidwarf, extra long grain.
 415671. 'Chontalpa 736'. Medium long grain.
 415672. 'Dosel'. Medium grain.
 415673. 'Galaxia'.
 415674. 'Gema'.
 415675. 'Girona'. Medium grain.
 415676. 'Nano-Sollana'.
 415677. 'Venus'. Long grain.

415678. MACROPTILIUM LATHYROIDES (L.) Urb. Fabaceae.

From Puerto Rico. Seed collected by W. R. Langford, Regional Plant Introduction Station, Experiment, Georgia. Received May 13, 1977.

Corozal. Plant to 0.5 m tall, erect, branching. Wild.

415679 to 415681.

From Mexico. Seed collected by M. J. Lukefahr, Cotton Insect Research, Agricultural Research Service, Brownsville, Texas, and held by Regional Plant Introduction Station, Experiment, Georgia. Received May 13, 1977.

415679. *MUCUNA DEERINGIANA* (Bort) Merr. Fabaceae. Velvetbean.
 Tanlajas, San Luis Potosi State. Viny, summer legume. Pods highly pubescent.
 Local name "Nescafe", used for instant coffee. Cultivated.
 415680. *PHASEOLUS LUNATUS* L. Fabaceae. Lima bean.
 El Tajin, Veracruz State. Seed black. Cultivated.
 415681. *VIGNA UNGUICULATA* (L.) Walp. subsp. *UNGUICULATA* Fabaceae. Cowpea.
 Catemoco, Veracruz State. Seed black with white hilum.

415682 and 415683.

From India. Seed presented by Director, National Bureau of Plant Genetic Resources, Indian Agricultural Research Institute, New Delhi. Received April 18, 1977.

415682. *CUCUMIS CALLOSUS* (Rottl.) Cogn. Cucurbitaceae.
 I.W. 3448.
 415683. *CUCUMIS TRIGONIS* Roxb.
 I.W. 3014.

415684. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Sweden. Seed presenty by Director, Swedish Seed Association, Svalov. Received May 4, 1977.

'Sverre'.

415685. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Sweden. Seed presented by Director, Weibullsholm Plant Breeding Institute, Fack, Landskrona. Received May 4, 1977.

'Vertus'.

415686. TRITICUM DURUM Desf. Poaceae. Durum wheat.

From Union of Soviet Socialist Republics. Seed presented by Director, N. I. Vavilov

415686—Continued

Institute of Plant Industry, Leningrad. Received April 28, 1977.

'Har'kovskaja 5'. Spring type.

415687 to 415783.

From Taiwan. Seed presented by Y. C. Yu, International Seed Exchange Center,

Taiwan Agricultural Research Institute, Taipei. Received April 15, 1977.

- | | | | |
|-------------------|---|-----------|----------------|
| 415687 to 415697. | ARACHIS HYPOGAEA L. | Fabaceae. | Peanut. |
| 415687. | Li-chi-tzu | 415693. | Tainung 2. |
| 415688. | Penghu 2. | 415694. | Tainung 3. |
| 415689. | Spanish White. | 415695. | Tainung 4. |
| 415690. | Tainan 6. | 415696. | Tsingtao. |
| 415691. | Tainan Selection 9. | 415697. | Yuan-yang-tou. |
| 415692. | Tainung 1. | | |
| 415698. | CASSIA MIMOSOIDES L. | Fabaceae. | Senna. |
| | Mountain flat bean. | | |
| 415699. | CENTROSEMA PUBESCENS Benth. | Fabaceae. | |
| 415700. | CROTALARIA JUNCEA L. | Fabaceae. | Sunn-hemp. |
| | Selecao-SPF/59. Fiber Crops Experiment Station, Tainan. | | |
| 415701. | GLYCINE KOIDZUMII Ohwi | Fabaceae. | |
| 415702. | INDIGOFERA HIRSUTA L. | Fabaceae. | Hairy indigo. |
| 415703. | LEUCAENA LEUCOCEPHALA (Lam.) de Wit | Fabaceae. | |
| 415704 to 415780. | ORYZA SATIVA L. | Poaceae. | Rice. |
| 415704. | Ai-chueh-chien. | | |
| 415705. | Chianung Sen 6. | | |
| 415706. | Chianung Sen 8. | | |
| 415707. | Chianung Sen 11. | | |
| 415708. | Chianung Sen 12. Agricultural Experiment Station, Chiayi. | | |
| 415709. | Chianung Sen 13. Agricultural Experiment Station, Chiayi. | | |
| 415710. | Ch'u-tzu. | | |
| 415711. | Hei-tu 4. | | |
| 415712. | Hsieh-lo. | | |
| 415713. | Hsinchu 61. | | |
| 415714. | Hsinchu 62. | | |
| 415715. | Hsinchu 63. | | |
| 415716. | Hsinchu Ai-chueh-chien. Upland. | | |
| 415717. | Hualien 18. | | |
| 415718. | Hua-lou. | | |
| 415719. | Hung-chueh-ching-liu. Upland. | | |
| 415720. | Hung-chueh-chu. | | |
| 415721. | Kao-chueh-liu-chou. | | |
| 415722. | Kaohsiung 53. | | |
| 415723. | Kaohsiung 136. | | |
| 415724. | Kaohsiung 137. | | |
| 415725. | Kaohsiung 139. | | |

415687 to 415783—Continued**415704 to 415780—Continued**

- 415726. Kaohsiung Shien 2.
- 415727. Ko-tzu.
- 415728. Kuan-yin-chan 18.
- 415729. Liu-tou-tzu.
- 415730. Man-tzu.
- 415731. Mao-tzu-tou.
- 415732. Min-tang.
- 415733. Mung-hua-chu.
- 415734. Niao-yao.
- 415735. Oh-lan-chu.
- 415736. Pai-k'o-chin-yu.
- 415737. Pai-k'o-chu.
- 415738. Pai-k'o-tsao. Upland.
- 415739. Pai-k'o-yuan-li.
- 415740. Pai-me-fen.
- 415741. Shuang-chiang.
- 415742. Sun-li-shien.
- 415743. Taichung 187.
- 415744. Taichung 188.
- 415745. Taichung Glutinous 46.
- 415746. Taichung Pai-k'o.
- 415747. Taichung-shien 2.
- 415748. Tainan 1.
- 415749. Tainan 6.
- 415750. Tainung 60.
- 415751. Tainung 62.
- 415752. Tainung Selection 1. Upland.
- 415753. Tainung Selection 2. Upland.
- 415754. Taipei Liu-tou-tzu.
- 415755. Taitung 26.
- 415756. Taitung 27.
- 415757. Taitung Wu-chan.
- 415758. Taitung Wu-li.
- 415759. Taitung-yu 73.
- 415760. Taitung-yu 302.
- 415761. Taitung-yu 303.
- 415762. Taitung-yu 311.
- 415763. Ti-chueh-min-tang.
- 415764. Ti-chueh-wu-chien.
- 415765. Tien-lai.
- 415766. Tsai-yuan-chung.
- 415767. Tuan-kuang-hua-lou.
- 415768. Tui-yen-hsing-chu.

415687 to 415783—Continued**415704 to 415780—Continued**

415769. Tunglu 1. Upland.
 415770. Tunglu 2. Upland.
 415771. Tunglu 3. Upland.
 415772. Tunglu-yu 160. Upland.
 415773. Tunglu-yu 286. Upland.
 415774. Tunglu-yu 328. Upland.
 415775. Wan-li-shien.
 415776. Wu-k'o-ching-yu.
 415777. Wu-chien.
 415778. Wu-li.
 415779. Yuan-li.
 415780. Yung-an-fen-lung-tsaο.

415781. *MACROPTILIUM ATROPURPUREUM* (DC.) Urb. Fabaceae. **Siratro.**
 415782. *PUERARIA MONTANA* (Lour.) Merr. Fabaceae.
 415783. *STYLOSANTHES GUIANENSIS* (Aubl.) Sw. Fabaceae.
 Brazilian lucerne.

415784. ORYZA SATIVA L. Poaceae. Rice.

From Liberia. Seed presented by Director, Suakoko National Research Station.

Received May 23, 1977.

LAC 23.

415785. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Brazil. Seed presented by V. W. D. Casali, Banco de Germoplasma de Hortalias, Universidade Federal de Vicosa, Minas Gerais. Received April 18, 1977.

'Santa Cruz Kada'. Sementes Agroceras S.A., Av. Dr. Vieira de Carvalho, Sao Paulo.

415786. ORYZA SATIVA L. Poaceae. Rice.

From Philippines. Seed presented by Director, International Rice Research Institute, Manila. Received May 13, 1977.

IRRI 13016. T 442-57.

415787. RHODODENDRON CAUCASICUM Pall. Ericaceae. Caucasian rhododendron.

From Union of Soviet Socialist Republics. Seed presented by E. E. Gogina, Herbarium, Main Botanic Garden, Academy of Sciences, Moscow. Received May 12, 1977.

Teberda State Reservation, Georgian Region. Elevation 2,000 m.

Collected August 1976. Wild.

415788. PINUS ELДАРICA Medw. Pinaceae. Pine.

From Pakistan. Seed collected by W. F. Megahan, U. S. Forest Service, Boise, Idaho. Received May 23, 1977.

PK 51. Quetta, Buluchistan Province. Similar to *Pinus sylvestris*. Wild.

415789 to 415792. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From France. Seed presented by C. Vigouroux, Tourneur Freres, Station de Selection de Plantes de Grande Culture, Coulommiers. Numbered June 10, 1977.

415789. 'Cardinal'. Adaptation similar to 'Du Puits'. Registered in 1955 as French Variety 215. Synthetic, outstanding resistance to *Pseudopeziza* and mildew. Good tolerance to *Verticillium*. Flowers predominately dark violet. See also P.I. 237213.

415790. 'Everest'. Hybrid derivation, more cold resistant than 'Du Puits', resistance to *Verticillium*.

415791. 'Gemini'. Hybrid derivation, adaptation similar to 'Du Puits' but hardier, high resistance to *Verticillium*.

415792. 'Glacier'. Adaptation similar to 'Du Puits'. Tolerant to *Pseudopeziza*, moderate resistance to potato leaf aphid.

415793. DIGITARIA sp. Poaceae.

From Ivory Coast. Plants presented by J. A. Schwendimen, Institut de Recherches du Coton et des Textiles Exotiques, Station Principale, Bouake. Received May 24, 1977.

CRZ Bouake (RCI). Received as *Digitaria umfolozi*. Originally from Centre de Sotube, Mali, in 1956. See also P.I. 361875.

415794 and 415795. HORDEUM VULGARE L. Poaceae. Barley.

From India. Seed presented by K. B. L. Jain, Cummings Laboratory, Indian Agricultural Research Institute, through National Bureau of Plant Genetic Resources, New Delhi. Received May 17, 1977.

415794. DL-36.

415795. DL-88.

415796 to 415798.

From Spain. Seed presented by Director, Jardin de Aclimatacion, Puerto de la Cruz, Tenerife, Canary Islands. Received May 24, 1977.

415796. *CHASMANTHIUM LATIFOLIUM* (Michx.) Yates Poaceae. Broadleaf uniola. 260. Cultivated.

415797. *CORTADERIA SELLOANA* (Schult.) Aschers. & Graebn. Poaceae.

Pampasgrass.

256. Cultivated.

415798. *CRAMBE STRIGOSA* L'Herit. Brassicaceae.

58. El Boqueron War Valley, Tenerife.

415799. AGROPYRON CRISTATUM (L.) Gaertn. Poaceae.

Crested wheatgrass.

From Canada. Seed presented by R. P. Knowles, Research Station, University Campus, Saskatoon, Saskatchewan. Received May 19, 1977.

'Parkway'.

415800 to 415833.

From Switzerland. Seed presented by Director, Botanische Anstalt der Universitat, Schonbeinstrasse, Basel. Received May 16, 1977.

415800. *ASTRAGALUS ALOPECUROIDES* L. Fabaceae. **Foxtail milkvetch.**
702.
415801. *ASTRAGALUS AUSTRIACUS* Jacq.
703. Originally from Hungary.
415802. *ASTRAGALUS CHINENSIS* L. f. **Milkvetch.**
704.
415803. *ASTRAGALUS GLYCYPHYLLOS* L. **Milkvetch.**
705.
415804. *ASTRAGALUS SULCATUS* L.
706. Originally from Austria.
415805. *BECKMANNIA SYZIGACHNE* (Steud.) Fern. Poaceae. **Sloughgrass.**
76. Originally from Kamchatka Peninsula, Union of Soviet Socialist Republics.
415806. *CHRYSOPOGON GRYLLUS* (L.) Trin. Poaceae.
74.
415807. *COIX LACRYMA-JOBI* L. Poaceae. **Job's-tears.**
79.
415808. *CORTADERIA SELLOANA* (Schult.) Aschers. & Graebn. Poaceae. **Pampasgrass.**
80.
415809. *DOLICHOS AXILLARIS* E. Mey. Fabaceae.
715.
415810. *HEDYSARUM CORONARIUM* L. Fabaceae. **French honeysuckle.**
720.
415811. *HEDYSARUM MULTIJUGUM* Maxim. **Sweetvetch.**
721.
415812. *KOELERIA VALLESIANA* (Honck.) Gertol. Poaceae.
81.
415813. *LOLIUM TEMULENTUM* L. Poaceae. **Darnel.**
82.
415814. *LOTUS ORNITHOPODIOIDES* L. Fabaceae. **Trefoil.**
724.
415815. *LOTUS PARVIFLORUS* Desf.
725. Originally from Portugal.
415816. *ONOBRYCHIS SAXATILIS* (L.) Lam. Fabaceae.
732. Originally from France.
415817. *ONONIS FRUTICOSA* L. Fabaceae.
733.
415818. *ONONIS NATRIX* L.
734.
415819. *ONONIS ROTUNDIFOLIA* L.
735.
415820. *ONONIS SPINOSA* L.
736.
415821. *PENNISETUM VILLOSUM* R. Br. ex Fresen. Poaceae. **Feathertop.**
84.

415800 to 415833—Continued

415822. *PHALARIS CANARIENSIS* L. Poaceae. **Canarygrass.**
85.
415823. *RHYNCHOSIA PHASEOLOIDES* (Sw.) DC. Fabaceae. **Crabseye rhynchosia.**
740.
415824. *SCLEROPOA RIGIDA* (L.) Grieseb. Poaceae. **Stiffgrass.**
86.
415825. *STIPA ARAXENSIS* Grossh. Poaceae.
90. Originally from Union of Soviet Socialist Republics.
415826. *STIPA CALAMAGROSTIS* (L.) Wahlenb. **Needlegrass.**
91.
415827. *STIPA CAPILLATA* L. **Feathergrass.**
92.
415828. *STIPA PENNATA* L. **Feathergrass.**
93.
415829. *STIPA PENNATA* L. var. *GALLICA* Steven
94. Originally from Hautes-Alpes Department, France.
415830. *STIPA TORTILLIS* Desf. **Feathergrass.**
95.
415831. *TRIFOLIUM ANGUSTIFOLIUM* L. Fabaceae. **Clover.**
743. Originally from Portugal.
415832. *TRIFOLIUM STRIATUM* L. **Striate clover.**
745. Originally from France.
415833. *TRIGONELLA CRETICA* (L.) Boiss. Fabaceae.
746.
- 415834. ARACHIS GLABRATA** Benth. Fabaceae. **Peanut.**
From Colombia. Plants collected by G. M. Prine, Department of Agronomy,
Agricultural Experiment Station, Gainesville, Florida. Numbered May 26,
1977.
Centro Internacional de Agricultura Tropical, Cali. Perennial, prostrate, stems to
0.61 m tall. Wild.
- 415835 to 415837. ARACHIS HYPOGAEA** L. Fabaceae. **Peanut.**
From Indonesia. Seed presented by Director, Lembaga Pusat Penelitian Pertanian,
Jalan Merdeka, Bogor. Numbered June 10, 1977.
415835. 'Banteng'.
415836. 'Gajah'.
415837. 'Macan'.
- 415838 to 415844. PAPAVER SOMNIFERUM** L. Papaveraceae. **Opium poppy.**
From Afghanistan. Seed collected by H. T. Hurley, and presented through D. R. Cor-
nelius, Agricultural Research Officer, United States Department of
Agriculture, American Embassy, Islamabad, Pakistan.
Numbered June 10, 1977.
415838. PK 52. Daulatabad, Balkh. August 1976. Cultivated.

415838 to 415844—Continued

415839. PK 53. Doru, Kahmard, Bamiyan. August 1976. Cultivated.
 415840. PK 54. Khodzha, Dokukh, Jowzjan. August 1976. Cultivated.
 415841. PK 55. Zebak, Badakhshan. October 1976. Cultivated.
 415842. PK 56. Saidabad, Jowzjan. August 1976. Cultivated.
 415843. PK 57. Sokhta Cinar, Saighan, Bamiyan. August 1976.
 Cultivated.
 415844. PK 58. Jurm, Badakhshan. October 1976. Cultivated.

415845. MALUS SYLVESTRIS Mill. Rosaceae. Apple.

From Canada. Scions presented by A. D. Crowe, Tree Fruit Section, Research Station, Kentville, Nova Scotia. Received May 19, 1977.

'Kestrel'. C13-30-88. 'New York Red Spy' 1 'Macoun'. Midseason red apple, exceptional texture and quality with good storage and shelf life. Moderately vigorous, well spurred, upright spreading, annually productive if thinned. Fruit medium size, from 5.7 cm to 7.6 cm. Round-conic oblate, regular to slightly ribbed. Cavity wide, medium depth.

415846 to 415848.

From United States. Plants presented by Wayside Gardens, Hodges, South Carolina. Received April 11, 1977.

415846. *FESTUCA OVINA* var. *GLAUCA* (Lam.) Koch Poaceae. Fescue.
 2588.
 415847. *HELICOTRICHON SEMPERVIRENS* (Vill.) Pilger Poaceae.
 2127.
 415848. *CAREX MORROWII* Bott Cyperaceae. Morrow sedge.
 'Variegata'. 2142.

415849. EUGENIA UNIFLORA L. Myrtaceae. Surinam-cherry.

From Costa Rica. Seed presented by Claude Hope, Linda Vista S.A., Cartago. Received June 13, 1977.

Fruits large, sweet, and well flavored.

415850 to 415866

From South Africa. Seed presented by Plant Introduction Officer, Division of Seed Control, Department of Agricultural Technical Services, Pretoria. Received May 27, 1977.

- 415850 and 415851. *ATRIPLEX BREWERI* Wats. Chenopodiaceae.
 415850. Karoo Region, Cape Province.
 415851. Karoo Region, Cape Province.
 415852. *ATRIPLEX CANESCENS* (Pursh) Nutt. Flowering saltbush.
 Karoo Region, Cape Province.
 415853 and 415854. *ATRIPLEX HALIMUS* L. Mediterranean saltbush.
 415853. Karoo Region, Cape Province.
 415854. Originally from Beersheba, Israel.
 415855. *ATRIPLEX LENTIFORMIS* (Torr.) S. Wats.
 Karoo Region, Cape Province.

415850 to 415866—Continued

- 415856 and 415857. *ATRIPLEX LEUCOCLADA* Boiss.
 415856. Karoo Region, Cape Province.
 415857. Originally from Israel.
- 415858 and 415859. *ATRIPLEX NUMMULARIA* Lindl. **Saltbush.**
 415858. Karoo Region, Cape Province.
 415859. Worcester, Cape Province.
- 415860 and 415861. *ATRIPLEX SEMIBACCATA* R. Br. **Australian saltbrush.**
 415860. Riviersonderend.
 415861. Worcester, Cape Province.
415862. *ATRIPLEX SPONGIOSA* F. Muell. **Saltbush.**
 Originally from Beersheba, Israel.
- 415863 and 415864. *ATRIPLEX VESICARIA* Heward ex Benth. **Saltbush.**
 415863. Karoo Region, Cape Province.
 415864. Originally from Beersheba, Israel.
- 415865 and 415866. *BLACKIELLA CONDUPLICATA* Aellen **Chenopodiaceae.**
 415865. Karoo Region, Cape Province.
 415866. Worcester, Cape Province.
- 415867 to 415869. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.****
 From England. Seed presented by Director, National Seed Development Organization, Limited, Newton Hall, Newton, Cambridge. Received June 6, 1977.
415867. 'Maris Kabul'.
 415868. 'Maris Phoenix'.
 415869. 'Sabilt'.
- 415870 to 415875. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.****
 From Senegal. Seed presented by J. Gautreau, Institut Senegalais de Recherches Agricoles, Centre de Recherches Agronomiques, Bambey. Received June 7, 1977.
415870. 73-27. Released for wet areas of southern Senegal, selection from GH 119-20 × 756 A (local cultivar).
 415871. 73-28. Released for wet areas of southern Senegal, selection from GH 119-20 × 756 A (local cultivar).
 415872. 73-29. Released for wet areas of southern Senegal, selection from GH 119-20 × 756 A (local cultivar).
 415873. EH 301-13. Yields good in central Senegal.
 415874. EH 303-4. Yields good in central Senegal.
 415875. EH 349. Yields good in central Senegal.
- 415876 to 415881. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.****
 From South Africa. Seed presented by Director, Highveld Region, Potchefstroom, through Plant Introduction Officer, Division of Plant and Seed Control, Department of Agricultural Technical Services, Pretoria. Received June 8, 1977.
415876. RG. 6. 'AK-12-14'.
 415877. RG. 17. 'Porto Alegre'.

415876 to 415881—Continued

415878. RG. 263. 'Fung Bunch MH 382'.
 415879. RG. 268. 'C.T.G.'.
 415880. RG. 282. '1042 Rose de Timba'.
 415881. RG. 358. 'Redex H.P. II'.

415882 to 415948. PHASEOLUS VULGARIS L. Fabaceae.**Common bean.**

From Ecuador. Seed collected by O. W. Norvell, Stanford University, Pal Alto, California, and greenhouse increased by Regional Plant Introduction Station, Washington State University, Pullman, Washington. Numbered June 10, 1977.

415882. E8437. Tulcan. Local name "Frijol".
 415883. E8438-A-C. Tulcan. Mixture of white, brown, and striped seed.
 415884. E8440-A&B. Tulcan. Mixture of "Blanco Grande" and "Cafe Grande".
 415885. E8442-A&B. Tulcan. Mixture of speckled and red seed.
 415886. E8449-A-D. Tulcan. Local name "Blanco".
 415887. E8450. Tulcan. Color variable.
 415888. E8451. Tulcan. Local name "Frijol Blanco Chico".
 415889. E8452. Tulcan. Local name "Frijol Morado".
 415890. E8453-A-E. Tulcan.
 415891. E8454-A-F. Tulcan. Mixture.
 415892. E8456. Tulcan. Local name "Frijol".
 415893. E8457-A-D. Tulcan. Mixture of round red, long red, and striped seed.
 415894. E8458-A&B. Tulcan. Mixture, some mottled seed.
 415895. E8460-A&B. Ibarra. Mixture of "Blanco Grande" and "Cafe Grande."
 415896. E8461-A-E. Ibarra. Shape and day length variable.
 415897. E8462-A-D. Ibarra. Day length variable.
 415898. E8463-D-E. Ibarra. Day length variable.
 415899. E8464-A&B. Ibarra. Mixture of "Blanco Chico" and "Blanco Grande".
 Day length variable.
 415900. E8465-A&B. Ibarra. Mixture of yellow brown and dark brown seed.
 415901. E8466-A-E. Ibarra. Day length variable.
 415902. E8468-A-E. Ibarra. Day length variable.
 415903. E8469-A-D. Ibarra. Day length variable.
 415904. E8470-A-D. Ibarra. Day length variable.
 415905. E8472-A-D. Ibarra. Day length variable.
 415906. E8474-A&B. Ibarra. Mixture of yellow brown and dark brown seed.
 415907. E8475-A-D. Ibarra. Day length variable.
 415908. E8476-A-C. Ibarra. Day length variable.
 415909. E8477. Ibarra. Local name "Frijol Blanco Grande".
 415910. E8478. Ibarra. Local name "Frijol Color de Cafe".
 415911. E8479-A-C. Ibarra. Mixture.
 415912. E8480. Ibarra.
 415913. E8481. Ibarra. Mixture of bush type, day neutral and vine type, late or autumn flowering.

415882 to 415948—Continued

415914. E8482. Ibarra.
 415915. E8483. Ibarra. Series of ripening dates, bush to semivine.
 415916. E8484-A-D. Ibarra. Mixture of day length responses.
 415917. E8485. Ibarra.
 415918. E8486-A-D. Ibarra.
 415919. E8487. Ibarra. Day neutral.
 415920. E8488. Ibarra. Day length variable.
 415921. E8489. Ibarra. Day length variable.
 415922. E8490. Ibarra. Local name "Frijol Blanco Chico". Day length variable.
 415923. E8491. Ibarra. Local name "Frijol Blanco Chico". Day length variable.
 415924. E8492. Ibarra. Local name "Frijol".
 415925. E8493. Ibarra. Day length variable.
 415926. E8495. Ibarra. Received as *Phaseolus vulgaris* 1 *P. coccineus*. Late maturing.
 415927. E8496. Ibarra. Received as *Phaseolus vulgaris* 1 *P. coccineus*. Late maturing.
 415928. E8497. Ibarra. Received as *Phaseolus vulgaris* 1 *P. coccineus*. Late maturing.
 415929. E8498-A&B. Ibarra. Mixture of speckled and yellow seed.
 415930. E8500. Ibarra. Day length variable.
 415931. E8501. Ibarra. Local name "Frijol Blanco Chico". Day length variable.
 415932. E8502. Ibarra. Day length variable.
 415933. E8503. Ibarra. Badly outcrossed. Day neutral, late maturing.
 415934. E8504-A-C. Ibarra. Local name "Frijol". Mixture of buff, yellow, and brown seed.
 415935. E8505. Ibarra. Local name "Frijol".
 415936. E8507. Ibarra. Day length variable.
 415937. E8508. Ibarra. Local name "Frijol Blanco Chico". Day length variable.
 415938. E8509. Quito. Mixture.
 415939. E8512-A-C. Quito. Mixture of buff, brown, and blue-purple mottled seed.
 415940. E8513. Quito. Local name "Frijol". Late maturing climber.
 415941. E8514. Quito. Local name "Frijol Blanco Chico". Day neutral.
 415942. E8515. Quito. Local name "Frijol".
 415943. E8516. Quito. Local name "Frijol". Late maturing vine.
 415944. E8518. Quito. Local name "Frijol Blanco Chico". Day length variable.
 415945. E8519. Quito. Day length variable.
 415946. E8520-A-C. Quito. Mixture of buff, blue striped, and other seed.
 415947. E8523-A-C. Quito. Mixture of dark brown, buff, and other seed.
 415948. E8526. Quito. Local name "Frijol".

415949 to 415964. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

From Peru. Seed collected by O. W. Norvell, Stanford University, Palo Alto, California, and greenhouse increased by Regional Plant Introduction Station, Washington State University, Pullman, Washington. Numbered June 10, 1977.

415949. P8474-A-D. Lima. Mixture of "Blanco Chico" and other.

415949 to 415964—Continued

415950. P8552. Lima. Red kidney type.
 415951. P8553. Lima. Local name "Porto Negro". Seeds not actually black.
 415952. P8558-A&B. Lima. Mixture of round and long buff seed.
 415953. P8560. Lima. Local name "Poroto Blanco Chico".
 415954. P8561. Lima. Local name "Poroto Blanco Grande".
 415955. P8563. Lima. Local name "Poroto Blanco Chico".
 415956. P8565. Lima. Seed brown.
 415957. P8567. Lima. Local name "Poroto Blanco Mediano".
 415958. P8586. Lima. Local name "Poroto Blanco Chico".
 415959. P8570. Lima. Local name "Poroto Blanco Mediano".
 415960. P8580. Cuzco. Local name "Poroto Blanco Chico".
 415961. P8582. Cuzco. Local name "Poroto Blanco Grande".
 415962. P8583. Cuzco. Local name "Poroto Blanco Chico".
 415963. P8585. Cuzco. Local name "Poroto Blanco Chico".
 415964. P8586-A&B. Cuzco. Mixture of "Blanco Grande" and "Color de Cafe".

415965 to 415967. PHASEOLUS VULGARIS L. Fabaceae.**Common bean.**

From Italy. Seed collected by O. W. Norvell, Stanford University, Palo Alto, California, and greenhouse increased by Regional Plant Introduction Station, Washington State University, Pullman, Washington. Numbered June 10, 1977.

415965. CS432-Bulk. Naples.
 415966. CS435-Bulk. Naples. Romano type.
 415967. CS444-15-1. Naples.

415968 to 415988. PHASEOLUS VULGARIS L. Fabaceae.**Common bean.**

From Colombia. Seed collected by O. W. Norvell, Stanford University, Pal Alto, California, and greenhouse increased by Regional Plant Introduction Station, Washington State University, Pullman, Washington. Numbered June 10, 1977.

415968. C08428. Bogota. Local name "Frijol Rojo".
 415969. C08432. Bogota.
 415970. C08433. Bogota. Local name "Frijol Blanco Redondo".
 415971. C08434. Pasto. Local name "Frijol".
 415972. C08527-A&B. Medellin. Mixture of red and mottled seed.
 415973. C08528. Medellin. Mixture, some mottled seed.
 415974. C08529. Medellin. Local name "Frijol Uribe".
 415975. C08530-A-D. Medellin. Mixture of mottled, white, and other seed.
 415976. C08532. Medellin. Mixture, some red seed.
 415977. C08535. Medellin. Local name "Frisol".
 415978. C08537. Medellin. Local name "Frisol Blanco Chico".
 415979. C08539-A&B. Medellin. Mixture of "Rojo" and mottled seed.
 415980. C08540. Medellin.
 415981. C08542. Medellin. Local name "Frisol Uribe".
 415982. C08543. Medellin. Mixture, some red seed.

415968 to 415988—Continued

415983. C08544-A-D. Medellin. Mixture of brown, mottled, yellow, and buff colored seed.
415984. C08545. Medellin. Mixture, some speckled seed.
415985. C08546-A&B. Medellin. Mixture of speckled and red seed.
415986. C08547. Medellin. Local name "Frisol".
415987. C08549. Medellin.
415988. C08551. Medellin. Local name "Frisol Rojo". Seed red.

415989 to 415991.

From India. Seed presented by S. M. Osman, Department of Chemistry, Aligarh Muslim University, Aligarh, under Public Law 480 Project UR-A7(40)186. Symbol "NU" refers to USDA Northern Regional Laboratory, Peoria, Illinois. Received March 23, 1977.

415989. CASSIA OCCIDENTALIS L. Fabaceae. **Coffee senna.**
NU 62510.
415990. DACTYLOCTENIUM AEGYPTIUM (L.) Beauv. Poaceae. **Crowfoot grass.**
NU 62501.
415991. INDIGOFERA LINNAEI Ali Fabaceae.
NU 62499.

415992 to 415998. PHASEOLUS VULGARIS L. Fabaceae.**Common bean.**

From Union of Soviet Socialist Republics. Seed presented by Director, N. I. Vavilov Institute of Plant Industry, Leningrad. Received June 6, 1977.

415992. VIR 119. 'Nesravnennaja'. Ukrainian SSR.
415993. VIR 1010. 'Sutton's Superlative Dwarf Bean'. Originally from England.
415994. VIR 1711. 'Glazki'. Voronez Region.
415995. VIR 2060. 'Kirovskaja v'juscajasia'. Kirov Region.
415996. VIR 3839. 'Meksikanskaja'. Originally from Mexico.
415997. VIR10011. 'Sparzevaja'. Ukrainian SSR.
415998. VIR 10733. 'Osetinskaja 302'.

415999. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Mexico. Seed presented by K. J. Symes, Curator, Australian Wheat Collection, Tamworth. Received June 16, 1977.

'Tordo'. AUS 15192. Originally from International Maize and Wheat Improvement Center, Mexico D.F. Bearded, smooth brown chaff. Short strawed, early maturing. Some resistance to powdery mildew. Spring type.

416000 to 416745. PHASEOLUS VULGARIS L. Fabaceae.**Common bean.**

From Iran. Seed presented by K. H. Evans, Regional Pulse Improvement Project, Tehran. Code numbers originally assigned in India. Received March 28, 1977.

416000. 65-071-00019. Esfahan. Pole type, dry bean, seed white.
416001. 65-071-00020. Goodaraj. Pole type, dry bean, seed white.
416002. 65-071-00021. Quchan. Pole type, dry bean, seed white.
416003. 65-071-00023. Malayer. Pole type, dry bean, seed cream mottled.

416000 to 416745—Continued

416004. 65-071-00025. Adase. Bush type, seed light brown.
416005. 65-071-00030. 2. Iran Ministry. Bush type, dry bean, seed cream.
416006. 65-071-00035. 20. Iran Ministry. Bush type, dry bean, seed cream.
416007. 65-071-00036. Hamadan. Pole type, dry bean, seed cream mottled.
416008. 65-071-00040. Kermanshah. Bush type, dry bean, seed white.
416009. 65-071-00041. 279. Iran Ministry. Bush type, dry bean, seed yellow cream.
416010. 65-071-00050. 'Karaj 10'. Pole type, seed white.
416011. 65-071-00051. 1365. Iran Ministry. Pole type, dry bean, seed white.
416012. 65-071-00054. Esfahan. Pole type, dry bean, seed white.
416013. 65-071-00056. 285. Iran Ministry. Bush type, seed dark brown.
416014. 65-071-00060. 287. Iran Ministry. Bush type, snap bean, seed black.
416015. 65-071-00062. Bojnourd. Pole type, dry bean, seed cream.
416016. 65-071-00063. Bojnourd. Pole type, dry bean, seed lavender, mottled.
416017. 65-071-00064. Bojnourd. Pole type, dry bean, seed white.
416018. 65-027-00070. 'Red Mexican 37'. Originally from Canada. Pole type, dry bean, seed white.
416019. 65-027-00071. 'Red Mexican 36'. Originally from Canada. Pole type, dry bean, seed red.
416020. 65-071-00096. 'Ardakan 179'. Iran Ministry. Pole type, dry bean, seed cream mottled.
416021. 65-071-00097. 'Shiraz 178'. Iran Ministry. Pole type, dry bean, seed white.
416022. 65-071-00098. 'Fars 103'. Iran Ministry. Pole type, dry bean, seed white.
416023. 65-071-00099. 'Egypt 121'. Iran Ministry. Bush type, dry bean, seed white.
416024. 65-085-00100. 'Lebanon 132'. Iran Ministry. Pole type, dry bean, seed red.
416025. 65-071-00102. 'Esfahan 110'. Iran Ministry. Pole type, dry bean, seed white.
416026. 65-071-00103. 'Fars 104'. Iran Ministry. Pole type, dry bean, seed purple.
416027. 65-071-00104. 'Sarab 158'. Iran Ministry. Pole type, dry bean, seed white.
416028. 65-071-00105. 120. Iran Ministry. Pole type, dry bean, seed white.
416029. 65-071-00305. 'Varamin 421'. Iran Ministry. Bush type, dry bean, seed cream.
416030. 65-071-00306. 'Varamin 235'. Darehgz. Pole type, dry bean, seed red.
416031. 65-071-00307. 'Varamin 238'. Quchan. Pole type, seed lavender mottled.
416032. 65-071-00311. 'Varamin 110'. Esfahan. Pole type, dry bean, seed white.
416033. 65-071-00314. 'Varamin 375'. Varamin. Pole type, dry bean, seed white.
416034. 65-071-00315. 'Varamin 103'. Fars. Pole type, seed white.
416035. 65-071-00316. 'Varamin 377'. Ghalehboland. Pole type, dry bean, seed white.
416036. 65-071-00317. 'Varamin 376'. Varamin. Pole type, dry bean, seed white.

416000 to 416745—Continued

416037. 65-071-00318. 'Varamin 178'. Shiraz. Pole type, dry bean, seed white.
416038. 65-071-00319. 'Varamin 120'. Unknown. Pole type, dry bean, seed white.
416039. 65-071-00321. 'Varamin 121'. Iran Ministry. Originally from Egypt. Bush type, dry bean, seed white.
416040. 65-071-00322. 'Varamin 234'. Darehgaz Min. Pole type, dry bean, seed white.
416041. 65-071-00323. 'Varamin Min. 239'. Quchan. Pole type, dry bean, seed white.
416042. 65-071-00325. 'Varamin Min. 247'. Amol. Pole type, dry bean, seed white.
416043. 65-071-00329. 'Varamin Min. 379'. Iran Ministry. Pole type, dry bean, seed white.
416044. 65-071-00330. 'Varamin Min. 378'. Varamin. Pole type, dry bean, white seed.
416045. 65-071-00331. 'Varamin Min. 196'. Kermanshah. Pole type, dry bean, seed white.
416046. 65-071-00332. 'Varamin Min. 380'. Varamin. Pole type, dry bean, seed white.
416047. 65-071-00333. 'Varamin Min. 383'. Varamin. Pole type, dry bean, seed white.
416048. 65-071-00334. 'Varamin Min. 381'. Varamin. Pole type, dry bean, seed white.
416049. 65-071-00343. Tehran. Bazaar, Tehran. Pole type, dry bean, seed white, purple mottled.
416050. 65-071-00347. Kashan. Pole type, dry bean, seed red.
416051. 65-071-00348. Yazde. Pole type, dry bean, seed red.
416052. 65-071-00349. Bojnourd. Pole type, dry bean, seed white.
416053. 65-071-00353. Arak. Pole type, dry bean, seed white.
416054. 65-071-00354. Golpayegan. Pole type, dry bean, seed white.
416055. 65-071-00356. Khomeyne. Pole type, snap bean, seed cream.
416056. 65-071-00357. Abadeh. Pole type, dry bean, seed white.
416057. 65-071-00358. Yazde. Pole type, dry bean, seed yellow-cream.
416058. 65-071-00361. Rasht. Pole type, dry bean, seed purple.
416059. 65-071-00363. Rasht. Pole type, dry bean, seed cream.
416060. 65-071-00364. Rasht. Seed white.
416061. 65-071-00365. Rasht. Pole type, dry bean, seed white.
416062. 65-071-00366. Rasht. Pole type, dry bean, seed cream.
416063. 65-071-00369. Rasht. Pole type, dry bean, seed white.
416064. 65-071-00370. Saghykelayeh. Pole type, dry bean, seed white.
416065. 65-071-00371. Hassankiadeh. Pole type, dry bean, seed white.
416066. 65-071-00372. Shahroud. Pole type, dry bean, seed white.
416067. 65-071-00373. Chalus. Seed purple.
416068. 65-071-00376. Shiraz-sel. Pole type, dry bean, seed white.
416069. 65-071-00382. Chalus. Pole type, dry bean, seed red.
416070. 65-071-00384. Gonbade ghabus. Pole type, dry bean, seed white.

416000 to 416745—Continued

416071. 65-071-00387. Bojnourd. Pole type, dry bean, seed purple.
416072. 65-071-00388. Quchan Daghian. Pole type, dry bean, seed white.
416073. 65-071-00389. Quchan. Pole type, dry bean, seed red.
416074. 65-071-00390. Quchan. Pole type, snap bean, seed lavender, mottled.
416075. 65-071-00391. Mashad. Pole type, dry bean, seed red.
416076. 65-071-00393. Mashad. Pole type, dry bean, seed white.
416077. 65-071-00394. Nishabour. Pole type, dry bean, seed red.
416078. 65-071-00395. Nishabour. Pole type, dry bean, seed red.
416079. 65-071-00396. Jiroft. Pole type, dry bean, seed red.
416080. 65-071-00397. Sabzevar. Pole type, Dry bean, seed purple.
416081. 65-071-00398. Meyamey (Miamay). Pole type, dry bean, seed white.
416082. 65-071-00471. Kermanshahan. Pole type, dry bean, seed brown.
416083. 65-071-00481. Quchan. Pole type, dry bean, seed brown.
416084. 65-071-00352. Golpayegan. Pole type, dry bean, seed purple.
416085. 65-071-00399. Miamay. Pole type, dry bean, seed red.
416086. 65-071-00401. Shahroud. Pole type, dry bean, seed white.
416087. 65-071-00405. Bam. Bush type, dry bean, seed purple.
416088. 65-071-00406. Mahan. Pole type, dry bean, seed white.
416089. 65-153-00408. Turkey Inegol. Seed white.
416090. 65-071-00409. Zarand. Pole type, dry bean, seed purple.
416091. 65-071-00410. Rafsanjan. Pole type, dry bean, seed white.
416092. 65-071-00412. Esfahan. Pole type, dry bean, seed white.
416093. 65-071-00413. Esfahan. Pole type, dry bean, seed white.
416094. 65-071-00414. Esfahan. Pole type, dry bean, seed white.
416095. 65-071-00415. Fars. Pole type, dry bean, seed white.
416096. 65-071-00416. Fars. Pole type, dry bean, seed white.
416097. 65-071-00417. Fars. Pole type, dry bean, seed white.
416098. 65-071-00418. Sarab. Pole type, dry bean, seed white.
416099. 65-071-00419. Sarab. Pole type, dry bean, seed white.
416100. 65-071-00420. Esfahan. Pole type, dry bean, seed white.
416101. 65-071-00421. Esfaha. Pole type, dry bean, seed white.
416102. 65-071-00422. Fars. Pole type, dry bean, seed white.
416103. 65-071-00423. Esfahan. Pole type, dry bean, seed white.
416104. 65-071-00424. Karaj. Pole type, dry bean, seed white.
416105. 65-071-00425A. Pole type, dry bean, seed purple.
416106. 65-071-00425B. Pole type, dry bean, seed white.
416107. 65-071-00426. Pole type, dry bean, seed purple.
416108. 65-071-00427. Pole type, dry bean, seed red.
416109. 65-071-00428. Pole type, dry bean, seed white.
416110. 65-071-00429. Pole type, dry bean, seed red.
416111. 65-071-00430. Pole type, dry bean, seed purple.
416112. 65-071-00431. Pole type, dry bean, seed red.
416113. 65-071-00432. Lebanon. Pole type, dry bean, seed purple.
416114. 65-071-00433. Lebanon. Pole type, dry bean, seed red.

416000 to 416745—Continued

416115. 65-071-00434. Lebanon. Pole type, dry bean, seed purple.
416116. 65-085-00435. Lebanon. Pole type, dry bean, seed purple.
416117. 65-085-00436. Lebanon. Pole type, dry bean, seed red.
416118. 65-085-00437. Lebanon. Pole type, dry bean, seed brown and purple.
416119. 65-085-00438. Lebanon. Pole type, dry bean, seed brown and purple.
416120. 65-085-00439. Lebanon. Pole type, dry bean, seed red.
416121. 65-085-00440. Lebanon. Pole type, dry bean, seed red.
416122. 65-085-00442. Lebanon. Pole type, dry bean, seed brown and purple.
416123. 65-085-00444. Lebanon. Pole type, dry bean, seed purple.
416124. 65-071-00445. Kermanshah. Pole type, dry bean, seed cream mottled.
416125. 65-071-00446. Esfahan. Pole type, dry bean, seed cream-mottled.
416126. 65-071-00447. Quchan. Pole type, dry bean, seed lavender mottled.
416127. 65-071-00448. Quchan. Pole type, dry bean, seed lavender mottled.
416128. 65-071-00449. Quchan. Pole type, dry bean, seed lavender mottled.
416129. 65-071-00450. Kermanshah. Pole type, snap bean, seed cream mottled.
416130. 65-071-00452. Quchan. Pole type, dry bean, seed lavender mottled.
416131. 65-071-00453. Kermanshah. Pole type, snap bean, seed cream mottled.
416132. 65-071-00454. Esfahan. Pole type, snap bean, seed cream mottled.
416133. 65-071-00455. Torbat Heydarieh. Pole type, dry bean, seed lavender mottled.
416134. 65-071-00456. Abasabad. Pole type, snap bean, seed cream mottled.
416135. 65-071-00458. Esfahan. Pole type, snap bean, seed cream mottled.
416136. 65-071-00460. Kermanshah. Pole type, dry bean, seed cream mottled.
416137. 65-071-00461. Kermanshah. Pole type, snap bean, seed cream mottled.
416138. 65-071-00464. Quchan. Pole type, dry bean, seed lavender mottled.
416139. 65-071-00465. Quchan. Pole type, dry bean, seed lavender mottled.
416140. 65-071-00466. Kermanshahan. Pole type, snap bean, seed cream mottled.
416141. 65-071-00467. Kermanshahan. Pole type, dry bean, seed cream mottled.
416142. 65-071-00468. Esfahan. Pole type, dry bean, seed black.
416143. 65-071-00469. Quchan. Pole type, dry bean, seed brown.
416144. 65-071-00470. Kermanshahan. Pole type, dry bean, seed cream.
416145. 65-071-00473. Pole type, dry bean, seed lavender.
416146. 65-071-00474. Esfahan. Pole type, dry bean, seed cream.
416147. 65-071-00475. Kermanshah. Pole type, dry bean, seed cream.
416148. 65-071-00476. Quchan. Pole type, dry bean, seed cream.
416149. 65-071-00477. Esfahan. Pole type, dry bean, seed brown.
416150. 65-071-00478. Dasht Sar Amol. Bush type, dry bean, seed cream.
416151. 65-071-00479. Esfahan. Pole type, dry bean, seed black.
416152. 65-071-00480. Esfahan. Pole type, dry bean, seed cream.
416153. 65-071-00482. Quchan. Pole type, dry bean, seed black.
416154. 65-071-00483. Quchan. Pole type, dry bean, seed cream.
416155. 65-071-00484. Quchan. Pole type, dry bean, seed black.
416156. 65-071-00485. Esfahan. Pole type, dry bean, seed white.

416000 to 416745—Continued

- 416157. 65-071-00486. Ghouchan. Pole type, dry bean, seed white.
- 416158. 65-071-00487. Pole type, dry bean, seed white.
- 416159. 65-071-00488. Pole type, dry bean, seed white.
- 416160. 65-085-00489. Lebanon. Pole type, dry bean, seed white.
- 416161. 65-071-00490. Pole type, dry bean, seed white.
- 416162. 65-071-00491. Esfahan. Pole type, dry bean, seed white.
- 416163. 65-071-00492. Esfahan. Pole type, dry bean, seed white.
- 416164. 65-071-00495. Pole type, dry bean, seed white.
- 416165. 65-071-00496. Esfahan. Pole type, dry bean, seed white.
- 416166. 65-071-00497. Quchan. Pole type, dry bean, seed white.
- 416167. 65-000-00498. Pole type, dry bean, seed white.
- 416168. 65-071-00499. Esfahan. Pole type, dry bean, seed white.
- 416169. 65-071-00500. Esfahan. Pole type, dry bean, seed white.
- 416170. 65-071-00501. Esfahan. Pole type, dry bean, seed white.
- 416171. 65-071-00502. Esfahan. Pole type, dry bean, seed white.
- 416172. 65-071-00503. Karaj. Pole type, dry bean, seed white.
- 416173. 65-071-00504. Quchan. Pole type, dry bean, seed white.
- 416174. 65-071-00505. Shiraz. Pole type, dry bean, seed white.
- 416175. 65-071-00507. Esfahan. Pole type, dry bean, seed white.
- 416176. 65-071-00508. Esfahan. Pole type, dry bean, seed white.
- 416177. 65-071-00509. Esfahan. Pole type, dry bean, seed white.
- 416178. 65-000-00512. Pole type, dry bean, seed white.
- 416179. 65-000-00513. Pole type, dry bean, seed white.
- 416180. 65-071-00516. Chalet Keu, Darehgaz. Pole type, dry bean, seed white.
- 416181. 65-071-00517. Quchan. Pole type, dry bean, seed white.
- 416182. 65-071-00520. Esfahan. Pole type, dry bean, seed white.
- 416183. 65-071-00521. Esfahan. Pole type, dry bean, seed white.
- 416184. 65-071-00522. Esfahan. Pole type, dry bean, seed white.
- 416185. 65-071-00524. Esfahan. Pole type, dry bean, seed white.
- 416186. 65-071-00525. Esfahan. Pole type, dry bean, seed white.
- 416187. 65-071-00526. Quchan. Pole type, dry bean, seed white.
- 416188. 65-071-00527. Quchan. Pole type, dry bean, seed white.
- 416189. 65-071-00528. Quchan. Pole type, dry bean, seed white.
- 416190. 65-071-00529. Esfahan. Pole type, dry bean, seed white.
- 416191. 65-071-00531. Kermanshah. Pole type, dry bean, seed white.
- 416192. 65-000-00533. Pole type, dry bean, seed white.
- 416193. 65-071-00534. Torbat Heydarieh. Pole type, dry bean, seed purple.
- 416194. 65-071-00536. Torbat Heydarieh. Pole type, dry bean, seed purple.
- 416195. 65-071-00537. Nishabour. Pole type, dry bean, seed purple.
- 416196. 65-071-00539. Nishabour. Pole type, dry bean, seed red.
- 416197. 65-071-00540. Safar Ghaleh. Pole type, dry bean, seed red.
- 416198. 65-071-00541. Esfahan. Pole type, dry bean, seed purple.
- 416199. 65-071-00542. Kermanshah. Pole type, dry bean, seed red.

416000 to 416745—Continued

- 416200. 65-071-00543. Esfahan. Pole type, dry bean, seed purple.
- 416201. 65-071-00546. Safar. Pole type, dry bean, seed red.
- 416202. 65-071-00547. Nishabour. Pole type, dry bean, seed red.
- 416203. 65-071-00549. Torbat Heydariéh. Pole type, dry bean, seed purple.
- 416204. 65-071-00550. Esfahan. Pole type, dry bean, seed purple.
- 416205. 65-071-00551. Esfahan. Pole type, dry bean, seed purple.
- 416206. 65-071-00552. Dashtsar Safar Ghaleh. Pole type, dry bean, seed red.
- 416207. 65-071-00554. Kermanshah. Pole type, dry bean, seed red.
- 416208. 65-071-00555. Kermanshah. Pole type, dry bean, seed red.
- 416209. 65-071-00556. Kermanshah. Pole type, dry bean, seed purple.
- 416210. 65-071-00557. Kermanshah. Pole type, dry bean, seed purple.
- 416211. 65-071-00558. Nishabour. Pole type, dry bean, seed red.
- 416212. 65-071-00559. Nishabour. Pole type, dry bean, seed red.
- 416213. 65-071-00560. Darehgz Safar Ghaleh. Pole type, dry bean, seed red.
- 416214. 65-071-00561. Darehgz Safar Ghaleh. Pole type, dry bean, seed purple.
- 416215. 65-071-00562. Darehgz Safar Ghaleh. Pole type, dry bean, seed red.
- 416216. 65-071-00563. Nishabour. Pole type, dry bean, seed purple.
- 416217. 65-071-00565. Dashtsar Safar Ghaleh. Pole type, dry bean, seed purple.
- 416218. 65-071-00566. Esfahan. Pole type, dry bean, seed purple.
- 416219. 65-071-00567. Kermanshah. Pole type, dry bean, seed red.
- 416220. 65-071-00568. Kermanshah. Pole type, dry bean, seed red.
- 416221. 65-071-00569. Nishabour. Pole type, dry bean, seed red.
- 416222. 65-071-00570. Kermanshah. Pole type, dry bean, seed red.
- 416223. 65-071-00571. Kermanshah. Pole type, dry bean, seed red.
- 416224. 65-071-00572. Darehgz Safar Ghaleh. Pole type, dry bean, seed red.
- 416225. 65-071-00574. Pole type, dry bean, seed red.
- 416226. 65-071-00575. Esfahan. Pole type, dry bean, seed purple.
- 416227. 65-071-00576. Quchan. Pole type, dry bean, seed red.
- 416228. 65-071-00578. Nishabour. Pole type, dry bean, seed red.
- 416229. 65-071-00579. Esfahan. Pole type, dry bean, seed purple.
- 416230. 65-071-00580. Darehgz. Pole type, dry bean, seed red.
- 416231. 65-071-00581. Darehgz. Pole type, dry bean, seed red.
- 416232. 65-071-00582. Esfahan 50. Pole type, dry bean, seed purple.
- 416233. 65-071-00583. Lebanon 3. Pole type, dry bean, seed white.
- 416234. 65-071-00594. Esfahan. Pole type, snap bean, seed cream mottled.
- 416235. 65-071-00596. Rhodesia. Pole type, dry bean, seed black.
- 416236. 65-071-00599. Esfahan. Pole type, dry bean, seed cream mottled.
- 416237. 65-071-00600. Dashtsar Amol. Pole type, dry bean, seed cream mottled.
- 416238. 65-071-00601. Esfahan. Pole type, snap bean, seed cream mottled.
- 416239. 65-071-00602. Esfahan. Pole type, snap bean, seed cream mottled.
- 416240. 65-071-00603. Esfahan. Pole type, snap bean, seed cream mottled.
- 416241. 65-071-00604. Esfahan. Pole type, snap bean, seed cream mottled.
- 416242. 65-071-00605. Esfahan. Pole type, snap bean, seed cream mottled.

416000 to 416745—Continued

416243. 65-071-00606. Esfahan. Pole type, snap bean, seed cream mottled.
416244. 65-071-00607. Dashtsar Amol. Pole type, snap bean, seed lavender mottled.
416245. 65-071-00609. Quchan. Seed lavender mottled.
416246. 65-071-00611. Quchan. Pole type, dry bean, seed lavender mottled.
416247. 65-071-00612. Quchan. Pole type, dry bean, seed lavender mottled.
416248. 65-071-00613. Quchan. Pole type, dry bean, seed lavender mottled.
416249. 65-071-00614. Quchan. Seed lavender mottled.
416250. 65-071-00615. Quchan. Pole type, dry bean, seed lavender mottled.
416251. 65-071-00616. Quchan. Pole type, dry bean, seed lavender mottled.
416252. 65-071-00617. Kermanshah. Bush type, snap bean, seed cream mottled.
416253. 65-071-00618. Quchan. Pole type, dry bean, seed lavender mottled.
416254. 65-071-00619. Quchan. Pole type, dry bean, seed lavender mottled.
416255. 65-071-00620. Karaj. Pole type, dry bean, seed white.
416256. 65-071-00621. Karaj. Pole type, dry bean, seed white.
416257. 65-071-00623. Karaj. Pole type, dry bean, seed white.
416258. 65-071-00624. Karaj. Pole type, dry bean, seed white.
416259. 65-071-00625. Karaj. Pole type, dry bean, seed white.
416260. 65-071-00626. Karaj. Pole type, dry bean, seed white.
416261. 65-071-00627. Karaj. Pole type, dry bean, seed white.
416262. 65-071-00628. Karaj. Pole type, dry bean, seed white.
416263. 65-071-00629. Karaj. Pole type, dry bean, seed white.
416264. 65-071-00630. Kermanshah. Pole type, dry bean, seed white.
416265. 65-071-00632. Kermanshah. Pole type, dry bean, seed white.
416266. 65-071-00633. Kermanshah. Pole type, dry bean, seed white.
416267. 65-071-00634. Kermanshah. Pole type, dry bean, seed white.
416268. 65-071-00635. Kermanshah. Pole type, dry bean, seed white.
416269. 65-071-00636. Kermanshah. Pole type, dry bean, seed white.
416270. 65-071-00637. Shiraz. Pole type, dry bean, seed white.
416271. 65-071-00639. Shiraz. Pole type, dry bean, seed white.
416272. 65-071-00640. Shiraz. Pole type, dry bean, seed white.
416273. 65-071-00641. Shiraz. Pole type, dry bean, seed white.
416274. 65-071-00642. Shiraz. Pole type, dry bean, seed white.
416275. 65-071-00643. Shiraz. Pole type, dry bean, seed white.
416276. 65-071-00644. Shiraz. Pole type, dry bean, seed white.
416277. 65-085-00645. Lebanon. Pole type, dry bean, seed white.
416278. 65-085-00647. Lebanon. Pole type, dry bean, seed white.
416279. 65-085-00648. Lebanon. Pole type, dry bean, seed white.
416280. 65-071-00649. Pole type, dry bean, seed white.
416281. 65-071-00650. Pole type, dry bean, seed white.
416282. 65-071-00651. Esfahan. Pole type, dry bean, seed white.
416283. 65-071-00652. Esfahan. Seed white.
416284. 65-071-00653. Esfahan. Pole type, dry bean, seed white.

416000 to 416745—Continued

- 416285. 65-071-00654. Esfahan. Pole type, dry bean, seed white.
- 416286. 65-071-00655. Esfahan. Pole type, dry bean, seed white.
- 416287. 65-071-00656. Dasht sar Amol. Pole type, dry bean, seed white.
- 416288. 65-071-00657. Dasht sar Amol. Pole type, dry bean, seed white.
- 416289. 65-071-00658. Dasht sar Amol. Pole type, dry bean, seed white.
- 416290. 65-071-00659. Quchan. Pole type, dry bean, seed white.
- 416291. 65-071-00660. Quchan. Pole type, dry bean, seed white.
- 416292. 65-071-00661. Quchan. Pole type, dry bean, seed white.
- 416293. 65-071-00662. Quchan. Pole type, dry bean, seed white.
- 416294. 65-071-00663. Quchan. Pole type, dry bean, seed white.
- 416295. 65-071-00664. Dareh gaz Chalet Kou. Pole type, dry bean, seed white.
- 416296. 65-071-00665. Dareh gaz Chalet Kou. Pole type, dry bean, seed white.
- 416297. 65-071-00666. Quchan. Pole type, dry bean, seed white.
- 416298. 65-071-00667. Quchan. Pole type, dry bean, seed white.
- 416299. 65-126-00668. Rhodesia/LA 67. Pole type, dry bean, seed cream mottled.
- 416300. 65-126-00669. Rhodesia. Pole type, dry bean, seed lavender.
- 416301. 65-071-00670. Karaj. Seed white.
- 416302. 65-071-00671. Karaj. Pole type, dry bean, seed white.
- 416303. 65-071-00672. Karaj. Pole type, dry bean, seed white.
- 416304. 65-071-00673. Karaj. Pole type, dry bean, seed white.
- 416305. 65-071-00674. Karaj. Pole type, dry bean, seed white.
- 416306. 65-071-00675. Karaj. Pole type, dry bean, seed white.
- 416307. 65-071-00676. Karaj. Pole type, intermediate, seed white.
- 416308. 65-071-00677. Kermansha Chamchal. Bush type, dry bean, seed white.
- 416309. 65-071-00678. Kermansha. Pole type, dry bean, seed white.
- 416310. 65-071-00679. Kermansha. Pole type, dry bean, seed white.
- 416311. 65-071-00680. Kermansha. Pole type, dry bean, seed white.
- 416312. 65-071-00681. Shiraz. Pole type, dry bean, seed white.
- 416313. 65-071-00683. Shiraz. Pole type, dry bean, seed white.
- 416314. 65-071-00684. Shiraz. Pole type, dry bean, seed white.
- 416315. 65-071-00685. Shiraz. Pole type, dry bean, seed white.
- 416316. 65-085-00686. Lebanon. Pole type, dry bean, seed white.
- 416317. 65-085-00687. Lebanon. Pole type, dry bean, seed white.
- 416318. 65-085-00688. Lebanon. Pole type, dry bean, seed white.
- 416319. 65-085-00689. Lebanon. Pole type, dry bean, seed white.
- 416320. 65-085-00690. Lebanon. Pole type, dry bean, seed white.
- 416321. 65-071-00691. Pole type, dry bean, seed white.
- 416322. 65-071-00692. Dasht Sar Amol. Pole type, dry bean, seed white.
- 416323. 65-071-00693. Dareh gaz Chalet Kou. Pole type, dry bean, seed white.
- 416324. 65-071-00694. Quchan. Pole type, dry bean, seed white.
- 416325. 65-071-00695. Esfahan. Pole type, dry bean, seed white.
- 416326. 65-071-00696. Esfahan. Pole type, dry bean, seed white.
- 416327. 65-071-00697. Esfahan. Pole type, dry bean, seed white.
- 416328. 65-071-00698. Seed white.

416000 to 416745—Continued

416329. 65-071-00699. Pole type, dry bean, seed white.
416330. 65-071-00700. Dareh gaz Saf. Pole type, dry bean, seed red.
416331. 65-071-00701. Torbat heydareid. Pole type, dry bean, seed purple.
416332. 65-071-00702. Torbat heydareid. Pole type, dry bean, seed red.
416333. 65-071-00704. Pole type, dry bean, seed purple.
416334. 65-071-00703. Pole type, dry bean, seed red.
416335. 65-071-00705. Pole type, dry bean, seed red.
416336. 65-071-00706. Nishabour. Pole type, dry bean, seed red.
416337. 65-071-00707. Dareh gaz Safar Ghaleh. Pole type, dry bean, seed red.
416338. 65-071-00708. Kermanshah. Pole type, dry bean, seed red.
416339. 65-071-00709. Dareh gaz Safar Ghaleh. Pole type, dry bean, seed red.
416340. 65-071-00710. Kermanshahan. Pole type, dry bean, seed red.
416341. 65-071-00711. Quchan. Pole type, dry bean, seed brown.
416342. 65-071-00712. Dareh gaz Safar Ghaleh. Pole type, dry bean, seed red.
416343. 65-071-00713. Dareh gaz Safar Ghaleh. Pole type, dry bean, seed red.
416344. 65-071-00714. Dareh gaz Safar Ghaleh. Pole type, dry bean, seed red.
416345. 65-071-00715. Esfahan. Pole type, dry bean, seed lavender.
416346. 65-071-00716. Quchan. Pole type, dry bean, seed red.
416347. 65-071-00717. Quchan. Pole type, dry bean, seed brown.
416348. 65-071-00718. Kermanshahan. Pole type, dry bean, seed white.
416349. 65-071-00719. Dareh gaz Safar Ghaleh. Pole type, dry bean, seed red.
416350. 65-071-00720. Dareh gaz Safar Ghaleh. Pole type, dry bean, seed purple.
416351. 65-071-00721. Dareh gaz Safar Ghaleh. Pole type, dry bean, seed purple.
416352. 65-071-00722. Dareh gaz Safar Ghaleh. Pole type, dry bean, seed lavender.
416353. 65-071-00723. Dareh gaz Safar Ghaleh. Pole type, dry bean, seed red.
416354. 65-071-00724. Torbat heydarieh. Pole type, dry bean, seed purple.
416355. 65-071-00725. Torbat heydarieh. Pole type, dry bean, seed purple.
416356. 65-071-00726. Torbat heydarieh. Pole type, dry bean, seed purple.
416357. 65-071-00727. Pole type, dry bean, seed red.
416358. 65-071-00728. Pole type, dry bean, seed purple.
416359. 65-071-00729. Pole type, dry bean, seed purple.
416360. 65-071-00731. Nishabour Barmadan. Pole type, dry bean, seed red.
416361. 65-071-00732. Nishabour Barmadan. Pole type, dry bean, seed purple.
416362. 65-071-00734. Nishabour. Pole type, dry bean, seed red.
416363. 65-071-00735. Nishabour. Pole type, dry bean, seed purple.
416364. 65-071-00736. Kermanshah. Pole type, dry bean, seed red.
416365. 65-071-00737. Dasht sar Amol. Bush type, dry bean, seed cream.
416366. 65-071-00738. Quchan. Pole type, dry bean, seed red.
416367. 65-071-00739. Pole type, dry bean, seed purple.
416368. 65-071-00740. Dasht sar Amol. Pole type, dry bean, seed black.
416369. 65-071-00741. Quchan. Pole type, dry bean, seed red.
416370. 65-071-00742. Pole type, dry bean, seed purple.

416000 to 416745—Continued

416371. 65-071-00743. Torbat heydarieh. Pole type, dry bean, seed purple.
416372. 65-071-00744. Torbat heydarieh. Pole type, dry bean, seed purple.
416373. 65-071-00745. Pole type, dry bean, seed purple.
416374. 65-085-00746. Lebanon. Pole type, dry bean, seed cream.
416375. 65-071-00747. Darehgaz Saf. Pole type, dry bean, seed purple.
416376. 65-071-00748. Nishabour Barmadon. Pole type, dry bean, seed purple.
416377. 65-071-00749. Nishabour Barmadon. Pole type, dry bean, seed red.
416378. 65-071-00750. Nishabour. Pole type, dry bean, seed red.
416379. 65-071-00751. Darehgaz Safar Ghaleh. Pole type, dry bean, seed red.
416380. 65-071-00752. Darehgaz Safar Ghaleh. Pole type, dry bean, seed purple.
416381. 65-071-00753. Darehgaz Safar Ghaleh. Pole type, dry bean, seed purple.
416382. 65-071-00754. Kermanshah. Pole type, dry bean, seed cream.
416383. 65-071-00755. Quchan. Pole type, dry bean, seed lavender mottled.
416384. 65-153-00756. Lebackur, Turkey. Seed white.
416385. 65-153-00757. Oturak, Turkey. Seed white.
416386. 65-153-00758. Bayaz Horoz, Turkey. Samsam/66-0191. Bush type, seed white.
416387. 65-071-00764. Sanandaj/Min. 3-43-1815. Pole type, seed purple.
416388. 65-126-00766. Rhodesia/LA-66-A-890. Pole type, seed black.
416389. 65-153-00767. Turkey. Ayvalik/55 Kahveringi. Bush type, seed brown.
416390. 65-071-00769. Sanandaj/3-43-1811. Pole type, seed red.
416391. 65-071-00770. Sanandaj/3-43-1813. Pole type, seed black.
416392. 65-071-00771. Fars/2-44-3267. Pole type, seed red.
416393. 65-071-00772. Seed white.
416394. 65-071-00775. Sarab/2-42-870. Pole type, seed white.
416395. 65-153-00777. Eskishir, Turkey. Seed red.
416396. 65-153-00778. Eshishir, Turkey. Pole type, seed purple.
416397. 65-153-00779. Kaymay, Turkey. Pole type, seed white.
416398. 65-153-00780. Ankara, Turkey. Pole type, seed black.
416399. 65-153-00781. Ankara, Turkey. Pole type, seed white.
416400. 65-153-00782. Eskashir, Turkey. Pole type, seed white.
416401. 65-153-00784. Ankara, Turkey. Pole type, seed white.
416402. 65-153-00785. Ankara, Turkey. Pole type, seed white.
416403. 65-071-00945. Mangil. Pole type, dry bean, seed cream.
416404. 65-153-00958. Yalova, Turkey. Pole type, seed white, cream mottled.
416405. 65-071-00966. Shiraz Aradakan. Seed cream mottled.
416406. 65-071-00969. Ghazvin Roud Bar. Pole type, snap bean, seed cream.
416407. 65-096-00973. Mexico Mixture. Pole type, seed black.
416408. 65-096-00975. Mexico. Seed cream mottled.
416409. 65-071-00978. Sarab. Pole type, snap bean, seed cream mottled.
416410. 65-071-01022. Roudbar. Seed cream mottled.
416411. 65-153-01679. Yalova, Turkey. Pole type, seed white.
416412. 65-153-01680. Yalova, Turkey. Pole type, seed white.

416000 to 416745—Continued

416413. 65-153-01682. Yalova, Turkey. Pole type, seed white.
416414. 65-153-01684. Yalova, Turkey. Pole type, seed white.
416415. 65-153-01686. Yalova, Turkey. Pole type, seed white.
416416. 65-153-01689. Yalova/31, Turkey. Pole type, seed white.
416417. 65-153-01698. Yalova/30, Turkey. Pole type, seed white.
416418. 65-153-01708. Adapazari/26, Turkey. Pole type, seed white.
416419. 65-153-01714. Adapazari/26, Turkey. Pole type, seed white.
416420. 65-153-01721. Eshashir, Turkey. Pole type, seed white.
416421. 65-153-01727. Ankara, Turkey. Pole type, seed white.
416422. 65-153-01728. Adapazari, Turkey. Pole type, seed white.
416423. 65-153-01733. Adapazari, Turkey. Pole type, seed white.
416424. 65-153-01735. Adapazari, Turkey. Pole type, seed white.
416425. 65-153-01737. Ankara, Turkey. Pole type, seed white.
416426. 65-153-01738. Kaymay Eshashir, Turkey. Pole type, seed white.
416427. 65-153-01739. Ankara, Turkey. Pole type, seed white.
416428. 65-153-01740. Ankara, Turkey. Pole type, seed white.
416429. 65-153-01743. Yalova, Turkey. Pole type, seed white.
416430. 65-153-01745. Yalova, Turkey. Pole type, seed cream mottled.
416431. 65-153-01746. Yalova, Turkey. Pole type, seed white, cream mottled.
416432. 65-153-01757. Adapazari/25, Turkey. Pole type, seed white.
416433. 65-153-01758. Adapazari/24, Turkey. Pole type, seed white.
416434. 65-153-01766. Adapazari/23, Turkey. Pole type, seed white.
416435. 65-153-01767. Adapazari/22, Turkey. Pole type, seed white.
416436. 65-153-01770. Adapazari/22, Turkey. Pole type, seed white.
416437. 65-153-01783. Adapazari/21, Turkey. Pole type, seed white.
416438. 65-153-01786. Adapazari/21, Turkey. Pole type, seed cream mottled.
416439. 65-153-01801. Adapazari/20, Turkey. Pole type, seed white.
416440. 65-153-01802. Adapazari/19, Turkey. Pole type, seed white.
416441. 65-153-01805. Adapazari/19, Turkey. Pole type, seed cream mottled.
416442. 65-153-01812. Adapazari/18, Turkey. Pole type, seed white.
416443. 65-153-01817. Adapazari/17, Turkey. Pole type, seed white.
416444. 65-153-01823. Adapazari/17, Turkey. Pole type, seed white.
416445. 65-153-01828. Adapazari/16, Turkey. Pole type, seed white.
416446. 65-153-01829. Adapazari/15, Turkey. Pole type, seed white.
416447. 65-153-01835. Adapazari/15, Turkey. Pole type, seed white.
416448. 65-153-01836. Adapazari/14, Turkey. Pole type, seed white.
416449. 65-153-01839. Adapazari/14, Turkey. Pole type, seed cream mottled.
416450. 65-153-01840. Bursa/13, Turkey. Pole type, seed cream mottled.
416451. 65-153-01846. Bursa/13, Turkey. Bush type, seed white.
416452. 65-153-01851. Bursa/12A, Turkey. Bush type, seed white.
416453. 65-153-01856. Bursa/12B, Turkey. Pole type, seed white.
416454. 65-153-01875. Bursa/12C, Turkey. Bush type, seed white.
416455. 65-153-01876. Bursa/10, Turkey. Pole type, seed white.

416000 to 416745—Continued

416456. 65-153-01878. Bursa/10, Turkey. Pole type, seed white.
416457. 65-153-01879. Bursa/9, Turkey. Pole type, seed white.
416458. 65-153-01880. Bursa/9, Turkey. Pole type, seed white.
416459. 65-153-01882. Bursa/8, Turkey. Pole type, seed white.
416460. 65-153-01900. Bursa/8, Turkey. Pole type, seed white.
416461. 65-153-01901. Bursa/7, Turkey. Pole type, seed white.
416462. 65-153-01903. Bursa/6, Turkey. Pole type, seed white.
416463. 65-153-01908. Bursa/5, Turkey. Pole type, seed white.
416464. 65-153-01923. Bursa/3, Turkey. Pole type, seed white.
416465. 65-153-01938. Bursa/2, Turkey. Pole type, seed white.
416466. 65-153-01943. Bursa/2, Turkey. Pole type, seed white.
416467. 65-153-01944. Bursa/1, Turkey. Pole type, seed white.
416468. 65-096-01945. Mexican Canarion/101. Pole type, seed white.
416469. 65-071-01946. Rasht. Seed cream.
416470. 65-071-01947. Esfahan 110/2-42-459. Seed white.
416471. 65-071-01948. Shiraz 178/2-42-922. Seed white.
416472. 65-071-01950. Karaj 149/2-42-745. Seed white.
416473. 65-071-01966. Rasht 185/2-42-899. Seed white.
416474. 65-071-01969. Esfahan 110/2-42-477. Seed white.
416475. 65-071-01997. Torbat Heydarieh 216/2-44-3448. Seed red.
416476. 65-071-01999. Lebanon 132/2-44-1855. Seed red.
416477. 65-071-02051. Lebanon 132/2-44-1840. Seed purple.
416478. 65-071-02071. Fars 104/2-42-1642. Seed purple.
416479. 65-071-02074. 119/2-42-1738. Seed red.
416480. 65-085-02075. Lebanon 132/2-42-1937. Seed red.
416481. 65-071-02076. 119/2-44-1741. Seed purple.
416482. 65-096-02418. Mexico/B. Seed cream.
416483. 65-153-02425. Turkey/61/10. Bush type, dry bean, seed white.
416484. 65-153-02427. Turkey/106/4. Bush type, dry bean, seed purple.
416485. 65-153-02432. Turkey/515/1. Bush type, dry bean, seed white.
416486. 65-153-02433. Turkey/515/6. Bush type, dry bean, seed white.
416487. 65-153-02434. Turkey/559/7. Bush type, dry bean, seed white.
416488. 65-153-02435. Turkey/559/7. Bush type, dry bean, seed white.
416489. 65-153-02442. Turkey/568/1. Bush type, seed white.
416490. 65-153-02443. Turkey/567/10. Bush type, seed white.
416491. 65-153-02444. Turkey/567/9. Bush type, seed white.
416492. 65-153-02445. Turkey/567/8. Bush type, seed white.
416493. 65-153-02446. Turkey/569/7. Bush type, seed white.
416494. 65-153-02447. Turkey/567/6. Bush type, seed white.
416495. 65-153-02448. Turkey/567/4. Bush type, seed white.
416496. 65-153-02449. Turkey/559/9. Bush type, seed white.
416497. 65-153-02450. Turkey/559/8. Bush type, seed white.
416498. 65-153-02452. Turkey/537/2. Bush type, seed white.

416000 to 416745—Continued

- 416499. 65-153-02453. Turkey/537/1. Bush type, seed white.
- 416500. 65-153-02454. Turkey/513/10. Bush type, seed white.
- 416501. 65-153-02457. Turkey/153/4. Bush type, seed white.
- 416502. 65-153-02458. Turkey/111/1. Pole type, seed white.
- 416503. 65-153-02459. Turkey/97/1. Bush type, seed white.
- 416504. 65-153-02460. Turkey/70/1-2. Pole type, seed white.
- 416505. 65-153-02461. Turkey/70/1-1. Pole type, seed white.
- 416506. 65-153-02462. Turkey/61/8. Bush type, seed white.
- 416507. 65-153-02463. Turkey/61/4. Bush type, seed white.
- 416508. 65-153-02464. Turkey/61/2. Bush type, seed white.
- 416509. 65-153-02465. Turkey/50/10. Bush type, seed white.
- 416510. 65-153-02466. Turkey/50/6. Bush type, seed white.
- 416511. 65-153-02467. Turkey/724/1-3. Bush type, seed white.
- 416512. 65-153-02468. Turkey/724/1-2. Bush type, seed white.
- 416513. 65-153-02469. Turkey/717/1-5. Pole type, seed white.
- 416514. 65-153-02472. Turkey/695/1-1. Pole type, seed white.
- 416515. 65-153-02475. Turkey/672/7. Pole type, seed white.
- 416516. 65-153-02477. Turkey/578/5. Pole type, seed white.
- 416517. 53-153-02478. Turkey/578/3. Pole type, seed white.
- 416518. 65-153-02473. Turkey/694/3-5. Pole type, seed white.
- 416519. 65-153-02480. Turkey/577/6. Pole type, seed white.
- 416520. 65-153-02481. Turkey/575/2. Pole type, seed white.
- 416521. 65-153-02482. Turkey/575/6. Pole type, seed white.
- 416522. 65-153-02483. Turkey/577/4. Pole type, seed white.
- 416523. 65-153-02484. Turkey/575/1. Pole type, seed white.
- 416524. 65-153-02485. Turkey/572/9. Pole type, seed white.
- 416525. 65-153-02486. Turkey/572/6. Pole type, seed white.
- 416526. 65-153-02487. Turkey/572/3. Pole type, seed white.
- 416527. 65-153-02488. Turkey/568/8. Pole type, seed white.
- 416528. 65-153-02490. Turkey/569/3. Bush type, seed white.
- 416529. 65-153-02491. Turkey/568/7. Pole type, seed white.
- 416530. 65-153-02492. Turkey/568/6. Bush type, seed white.
- 416531. 65-153-02493. Turkey/568/4. Bush type, seed white.
- 416532. 65-153-02494. Turkey/733/2-3. Pole type, seed white.
- 416533. 65-153-02495. Turkey/580/5. Bush type, seed white.
- 416534. 65-153-02496. Turkey/694/1-1. Bush type, seed white.
- 416535. 65-153-02497. Turkey/692/1-5. Bush type, seed white.
- 416536. 65-153-02498. Turkey/692/1-1. Bush type, seed white.
- 416537. 65-153-02499. Turkey/683/1-2. Bush type, seed white.
- 416538. 65-153-02500. Turkey/683/1-1. Bush type, seed white.
- 416539. 65-153-02502. Turkey/672/7. Bush type, seed white.
- 416540. 65-153-02530. Turkey/672/2. Bush type, seed white.
- 416541. 65-153-02504. Turkey/672/1. Bush type, seed white.

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- 416542. 65-153-02505. Turkey/664/3. Bush type, seed white.
- 416543. 65-153-02506. Turkey/664/2. Bush type, seed white.
- 416544. 65-153-02507. Turkey/664/1. Pole type, seed white.
- 416545. 65-153-02508. Turkey/663/6. Bush type, seed white.
- 416546. 65-153-02510. Turkey/663/4. Pole type, seed white.
- 416547. 65-153-02512. Turkey/659/4. Bush type, seed white.
- 416548. 65-153-02513. Turkey/659/1. Bush type, seed white.
- 416549. 65-153-02514. Turkey/689/8. Bush type, seed white.
- 416550. 65-153-02515. Turkey/689/7. Bush type, seed white.
- 416551. 65-153-02516. Turkey/588/2. Bush type, seed white.
- 416552. 65-153-02517. Turkey/588/1. Bush type, seed white.
- 416553. 65-153-02520. Turkey/586/5. Bush type, seed white.
- 416554. 65-153-02521. Turkey/586/3. Bush type, seed white.
- 416555. 65-153-02522. Turkey/585/5. Bush type, seed white.
- 416556. 65-153-02523. Turkey/584/3. Bush type, seed white.
- 416557. 65-153-02524. Turkey/583/3. Bush type, seed white.
- 416558. 65-153-02526. Turkey/582/6. Bush type, seed white.
- 416559. 65-153-02527. Turkey/582/5. Bush type, seed white.
- 416560. 65-153-02528. Turkey/580/1. Bush type, seed white.
- 416561. 65-153-02529. Turkey/731/2-2. Bush type, seed white.
- 416562. 65-153-02531. Turkey/579/5. Bush type, seed white.
- 416563. 65-153-02532. Turkey/877/1-5. Bush type, seed white.
- 416564. 65-153-02533. Turkey/877/1-3. Bush type, seed white.
- 416565. 65-153-02534. Turkey/871/1-10. Bush type, seed white.
- 416566. 65-153-02535. Turkey/871/1-7. Bush type, seed white.
- 416567. 65-153-02536. Turkey/870/1-4. Pole type, seed white.
- 416568. 65-153-02537. Turkey/870/1-1. Bush type, seed white.
- 416569. 65-153-02538. Turkey/855/1-4. Bush type, seed white.
- 416570. 65-153-02539. Turkey/855/1-1. Bush type, seed white.
- 416571. 65-153-02540. Turkey/849/1-4. Bush type, seed white.
- 416572. 65-153-02541. Turkey/849/1-5. Bush type, seed white.
- 416573. 65-153-02542. Turkey/841/1-4. Bush type, seed white.
- 416574. 65-153-02543. Turkey/841/1-1. Bush type, seed white.
- 416575. 65-153-02544. Turkey/840/1-4. Bush type, seed white.
- 416576. 65-153-02545. Turkey/840/1-2. Pole type, seed white.
- 416577. 65-153-02546. Turkey/833/2-5. Bush type, seed white.
- 416578. 65-153-02547. Turkey/833/2-4. Bush type, seed white.
- 416579. 65-153-02548. Turkey/833/2-3. Bush type, seed white.
- 416580. 65-153-02549. Turkey/833/2-2. Bush type, seed white.
- 416581. 65-153-02550. Turkey/833/1-1. Pole type, seed white.
- 416582. 65-153-02551. Turkey/829/1-4. Bush type, seed white.
- 416583. 65-153-02553. Turkey/828/3-1. Pole type, seed white.
- 416584. 65-153-02556. Turkey/813/1-4. Bush type, seed white.

416000 to 416745—Continued

- 416585. 65-153-02557. Turkey/804/1-5. Bush type, seed white.
- 416586. 65-153-02558. Turkey/804/1-4. Bush type, seed white.
- 416587. 65-153-02560. Turkey/803/1-1. Bush type, seed white.
- 416588. 65-153-02561. Turkey/568/3. Bush type, seed white.
- 416589. 65-153-02562. Turkey/582/1. Bush type, seed white.
- 416590. 65-078-02566. Shinkintoki, Japan. Bush type, seed red.
- 416591. 65-078-02574. Takara shoza/P. aun, Japan. Bush type, seed white.
- 416592. 65-000-02575. Source unknown. Pole type, seed white.
- 416593. 65-000-02576. Source unknown. Pole type, seed white.
- 416594. 65-000-02577. Source unknown. Pole type, seed white.
- 416595. 65-000-02578. Source unknown. Pole type, seed white.
- 416596. 65-000-02579. Source unknown. Seed white.
- 416597. 65-000-2580. Source unknown. Pole type, seed white.
- 416598. 65-000-2581. Source unknown. Pole type, seed white.
- 416599. 65-000-2582. Source unknown. Pole type, seed white.
- 416600. 65-000-2584. Source unknown. Pole type, seed white.
- 416601. 65-000-2597. Source unknown. Pole type, seed red.
- 416602. 65-000-2600. Source unknown. Pole type, seed purple.
- 416603. 65-000-02585. Source unknown. Pole type, seed white.
- 416604. 65-000-02587. Source unknown. Pole type, seed white.
- 416605. 65-000-02588. Source unknown. Pole type, seed white.
- 416606. 65-000-02589. Source unknown. Pole type, seed white.
- 416607. 65-000-02590. Source unknown. Pole type, seed white.
- 416608. 65-000-02591. Source unknown. Pole type, seed white.
- 416609. 65-000-02592. Source unknown. Pole type, seed white.
- 416610. 65-000-02593. Source unknown. Pole type, seed white.
- 416611. 65-000-02594. Source unknown. Pole type, seed white.
- 416612. 65-000-02595. Source unknown. Pole type, seed purple.
- 416613. 65-000-02599. Source unknown. Pole type, seed purple.
- 416614. 65-000-02601. Source unknown. Pole type, seed red.
- 416615. 65-000-02602. Source unknown. Pole type, seed red.
- 416616. 65-000-02603. Source unknown. Pole type, seed purple.
- 416617. 65-000-02604. Source unknown. Pole type, seed red.
- 416618. 65-000-02605. Source unknown. Pole type, seed red.
- 416619. 65-000-02606. Source unknown. Pole type, seed purple.
- 416620. 65-000-02608. Source unknown. Pole type, seed purple.
- 416621. 65-000-02609. Source unknown. Pole type, seed purple.
- 416622. 65-000-02610. Source unknown. Pole type, seed purple.
- 416623. 65-000-02611. Source unknown. Bush type, seed purple.
- 416624. 65-000-02612. Source unknown. Pole type, seed red.
- 416625. 65-000-02613. Source unknown. Pole type, seed red.
- 416626. 65-000-02614. Source unknown. Pole type, seed purple.
- 416627. 65-000-02615. Source unknown. Pole type, seed red.

416000 to 416745—Continued

416628. 65-071-00024. Astara. Bush type, dry bean, seed white.
416629. 65-071-00027. Loristan. Pole type, seed light red.
416630. 65-085-00029. Lebanon. Bush type, dry bean, seed white.
416631. 65-071-00033. Esfahan. Pole type, seed cream mottled.
416632. 65-071-00034. Iran Ministry 10. Bush type, dry bean, seed yellow.
416633. 65-071-00038. Iran Ministry 88. Bush type, dry bean, seed brown.
416634. 65-071-00043. Iran Ministry 284. Bush type, seed purple.
416635. 65-071-00045. Iran Ministry 292. Bush type, snap bean, seed black.
416636. 65-071-00047. Iran Ministry 394. Bush type, snap bean, seed purple.
416637. 65-071-00048. Iran Ministry 863. Pole type, seed white.
416638. 65-071-00049. Iran Ministry 1283. Bush type, snap bean, seed white mottled.
416639. 65-071-00052. Iran Ministry 1396. Bush type, dry bean, seed cream.
416640. 65-071-00055. Iran Ministry 281. Bush type, snap bean, seed brown mottled.
416641. 65-071-00057. Iran Ministry 2394. Seed purple.
416642. 65-071-00059. Iran Ministry 289. Bush type, dry bean, seed brown.
416643. 65-071-00061. Iran Ministry 283. Bush type, snap bean, seed yellow.
416644. 65-071-00065. Bojnourd. Pole type, snap bean, seed cream.
416645. 65-071-00086. Rezayeh. Bush type, snap bean, seed cream.
416646. 65-071-00089. Rezayeh. Bush type, dry bean, seed black mottled.
416647. 65-071-00090. Rezayeh. Pole type, seed yellow.
416648. 65-071-00091. Rezayeh. Pole type, seed white.
416649. 56-971-00093. Rezayeh. Pole type, seed cream-mottled.
416650. 65-071-00095. Iran Ministry. 'Sarab 159'. Pole type, seed cream mottled.
416651. 65-085-00101. Iran Ministry. 'Lebanon 140'. Bush type, snap bean, seed white mottled.
416652. 65-085-00312. Iran Ministry. 'Varamin 131'. Lebanon. Pole type, dry bean, seed white.
416653. 65-071-00320. 'Sarab/No. 158'. Pole type, dry bean, seed white.
416654. 65-071-00324. Esfahan Ministry. 'Varamin 224'. Pole type, seed white.
416655. 65-071-00326. Kermanshah Ministry. 'Varamin 195'. Pole type, seed red.
416656. 65-071-00327. Karaj Ministry. 'Varamin 149'. Bush type, seed brown mottled.
416657. 65-060-00328. Iran Ministry. 'Varamin 145'. Greece. Pole type, dry bean, seed white.
416658. 65-071-00339. Fars Ministry. 'Varamin 104'. Pole type, dry bean, seed red.
416659. 65-071-00355. Shiraz. Seed cream mottled.
416660. 65-071-00359. Kashan. Pole type, dry bean, seed cream mottled.
416661. 65-071-00379. Shabsavar. Pole type, dry bean, seed cream mottled.
416662. 65-071-00400. Shahroud. Pole type, snap bean, seed cream mottled.
416663. 65-085-00441. Lebanon. Pole type, dry bean, seed purple.

416000 to 416745—Continued

416664. 65-085-00443. Lebanon. Pole type, dry bean, seed red.
416665. 65-071-00451. Abasabad. Pole type, snap bean, seed cream mottled.
416666. 65-071-00457. Esfahan. Pole type, snap bean, seed cream mottled.
416667. 65-071-00459. Kermanshah. Pole type, snap bean, seed cream mottled.
416668. 65-071-00462. Kermanshah. Pole type, snap bean, seed cream mottled.
416669. 65-071-00463. Abasabad. Pole type, snap bean seed cream mottled.
416670. 65-071-00472. Dasht Sar Amol. Pole type, snap bean, seed cream.
416671. 65-085-00493. Lebanon. Pole type, dry bean, seed white.
416672. 65-085-00494. Lebanon. Pole type, dry bean, seed white.
416673. 65-000-00510. Source unknown. Pole type, dry bean, seed white.
416674. 65-000-00511. Source unknown. Pole type, dry bean, seed white.
416675. 65-000-00514. Source unknown. Pole type, dry bean, seed white.
416676. 65-085-00518. Lebanon. Pole type, dry bean, seed white.
416677. 65-000-00519. Source unknown. Pole type, dry bean, seed white.
416678. 65-000-00532. Source unknown. Pole type, dry bean, seed white.
416679. 65-000-00553. Source unknown. Pole type, dry bean, seed white.
416680. 65-039-00592. Cyprus/Var Morphiaica. Pole type, dry bean, seed white.
416681. 65-071-00593. Esfahan. Pole type, snap bean, seed cream mottled.
416682. 65-126-00595. Rhodesia/LA 68. Seed purple.
416683. 65-126-00598. Rhodesia/LA 69. Seed black.
416684. 65-085-00646. Lebanon. Pole type, dry bean, seed white.
416685. 65-126-00759. Rhodesia/LA 70. Pole type, dry bean, seed black.
416686. 65-071-00761. Fars Min/2-44-3262. Pole type, dry bean, seed red.
416687. 65-071-00762. Sanandaj/2142-3819. Bush type, seed cream.
416688. 65-071-00763. Rezaeihe. Bush type, seed purple.
416689. 65-155-00765. 2-42-139. Egypt Ministry. Bush type, seed white.
416690. 65-155-00773. 2-42-191. Egypt Ministry. Bush type, seed white.
416691. 65-085-00774. 2-42-344. Lebanon Ministry. Bush type, seed white with red spots.
416692. 65-126-00776. Rhodesia/LA 71-A886. Pole type seed lavender.
416693. 65-071-00796. Mazandaran. Bush type, dry bean, seed cream.
416694. 65-071-00964. Kashan (Durmak). Seed cream mottled.
416695. 65-071-00976. Astaneh. Seed cream mottled.
416696. 65-096-00977. Mexico Mixture, Seed cream
416697. 65-153-00990. Turkey. Seed cream mottled.
416698. 65-071-01077. Jiroft. Seed cream mottled.
416699. 65-071-01080. Firouz Kouh. Seed black with white.
416700. 65-069-01124. India. Bush type, dry bean, seed cream mottled.
416701. 65-071-01189. Hassan Kiadeh. Seed white.
416702. 65-153-01196. Turkey. Seed white.
416703. 65-071-01475. Yazd. Seed cream.
416704. 65-153-01607. Turkey/4F-672/2. Bush type, dry bean, seed white.

416000 to 416745—Continued

416705. 65-071-01624. Mazandaran. Bush type, dry bean, seed cream.
416706. 65-153-01688. Yalova, Turkey. Bush type, dry bean, seed black.
416707. 65-153-01722. Eshashir, Turkey. Pole type, seed cream mottled.
416708. 65-153-01724. Ankara, Turkey. Pole type seed cream mottled.
416709. 65-153-01741. Eshashir, Turkey. Pole type, seed cream mottled.
416710. 65-096-01791. Mexico. Seed lavender.
416711. 65-096-02419. Mexico/C. Seed black.
416712. 65-096-02420. Mexico/D. Seed cream.
416713. 65-096-02423. Mexico/G. Seed cream.
416714. 65-153-02424. Turkey/50/10. Bush type, dry bean, seed white.
416715. 65-153-02428. Turkey/107/7. Bush type dry bean, seed white.
416716. 65-153-02429. Turkey/109/3. Bush type, snap bean, seed white.
416717. 65-153-02430. Turkey/158/5. Bush type, dry bean, seed white.
416718. 65-153-02431. Turkey/136/8. Bush type, dry bean, seed white.
416719. 65-153-02436. Turkey/587/5. Bush type, dry bean, seed white.
416720. 65-153-02440. Turkey/581/2. Bush type, seed white.
416721. 65-153-02441. Turkey/568/2. Bush type, seed white.
416722. 65-153-02455. Turkey/513/6. Bush type, seed white.
416723. 65-153-02456. Turkey/513/5. Bush type, seed white.
416724. 65-153-02470. Turkey/695/1-6. Bush type, seed white.
416725. 65-153-02474. Turkey/694/2-2. Pole type, seed white.
416726. 65-153-02476. Turkey/733/2-1. Pole type, seed white.
416727. 65-153-02479. Turkey/577/10. Pole type, seed white.
416728. 65-153-02489. Turkey/569/9. Pole type, seed white.
416729. 65-153-02501. Turkey/672/9. Bush type, seed white.
416730. 65-153-02509. Turkey/663/5. Bush type, seed white.
416731. 65-153-02511. Turkey/659/7. Bush type, seed white.
416732. 65-153-02518. Turkey/587/1. Bush type, seed white.
416733. 65-153-02519. Turkey/586/8. Bush type, seed white.
416734. 65-153-02525. Turkey/583/1. Bush type, seed white.
416735. 65-153-02552. Turkey/829/1-1. Bush type, seed white.
416736. 65-153-02554. Turkey/822/2-3. Bush type, seed white.
416737. 65-153-02559. Turkey/804/1-1. Bush type, seed white.
416738. 65-078-02565. Tsunetominagazura, Japan. Bush type, seed cream mottled.
416739. 65-078-02567. Wasedairyu/No. 1. Japan. Bush type, seed red.
416740. 65-078-02568. Kairyotebo, Japan. Pole type. Seed white.
416741. 65-078-02569. Taishokintoki, Japan. Bush type, seed red.
416742. 65-078-02570A. Japan. Chagaua *P. angularis*. Bush type, seed red.
416743. 65-078-02570B. Seed white.
416744. 65-078-02571. Hikari Shoza, Japan. Bush type, seed red.
416745. 65-000-02596. Source unknown. Pole type, seed red.

416746 to 417582. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.
From Japan. Seed presented July 1974 by National Institute of Agricultural Sciences, National Seed Storage Laboratory, Kanagawa-ken, Hiratsuka, and increased at Urbana, Illinois, and Stoneville, Mississippi. The symbol "H" refers to Hiratsuka. Numbered June 10, 1977.

- 416746. H-040318. A576.
- 416747. H-020235. A-B.
- 416748. H-020237. A-B(A).
- 416749. H-020238. A-B(B).
- 416750. H-020239. A-B(C).
- 416751. H-020240. A-B(D).
- 416752. H-020241. A-B(E).
- 416753. H-040079. Abura Daizu.
- 416754. H-040186. Aisa.
- 416755. H-040110. Akaao D165.
- 416756. H-040109. Aka Aota 5.
- 416757. H-090009. Aka Ban.
- 416758. H-020484. Akagara.
- 416759. H-020485. Akagara (2).
- 416760. H-040185. Akagi Shita.
- 416761. H-020422. Aka Mame (Yamagata).
- 416762. H-020157. Akanida.
- 416763. H-040155. Akasaya.
- 416764. H-030048. Akasaya.
- 416765. H-020101. Akasaya.
- 416766. H-020102. Akasaya 3.
- 416767. H-030016. Akasaya (Aomori).
- 416768. H-030001. Akasaya (Nagano).
- 416769. H-020099. Akasaya Chuusei.
- 416770. H-040176. Akasaya Daizu.
- 416771. H-100016. Akasome Daizu (Korea).
- 416772. H-010004. Akatsuka.
- 416773. H-040082. Aka Wase.
- 416774. H-020321. Akebono 1.
- 416775. H-040039. Aki Daizu.
- 416776. H-020183. Akita Daizu.
- 416777. H-090072. Aki Daizu 1.
- 416778. H-090106. Aki Sengoku (Kyushu 11).
- 416779. H-020423. Akita Ani.
- 416780. H-060048. Akiyoshi Kurakake.
- 416781. H-040060. Akiyoski Shiro Daizu.
- 416782. H-020093. Amakusa.
- 416783. H-020491. AN B (B).
- 416784. H-020233. ANC-B (A).
- 416785. H-020060. Anchuumu Ripaamukon.

416746 to 417582—Continued

- 416786. H-020325. Ani 3.
- 416787. H-020048. Ao Baka.
- 416788. H-020419. Ao Batsu.
- 416789. H-020112. Aochi Daizu.
- 416790. H-040092. Ao Daizu.
- 416791. H-090017. Ao Daizu.
- 416792. H-020047. Ao Daizu.
- 416793. H-020486. Aogari Daizu Karikei 1
- 416794. H-040035. Aogin.
- 416795. H-040050. Aohada.
- 416796. H-020140. Aohata.
- 416797. H-020137. Aojiro.
- 416798. H-020110. Aokari 6.
- 416799. H-060082. Aokawa Daizu.
- 416800. H-020109. Ao Kotsubu.
- 416801. H-040090. Ao Nyuudou.
- 416802. H-020450. Aoroku.
- 416803. H-020523. Ao Shouryuu.
- 416804. H-020045. Ao Tsuru No Tomo.
- 416805. H-040315. Asamidori.
- 416806. H-090129. Aso Aogari (Kyushu 27).
- 416807. H-090005. Aze Daizu.
- 416808. H-020346. B (B) 4001.
- 416809. H-020141. Ban Komame 1.
- 416810. H-090079. Ban Kuro Daizu.
- 416811. H-020511. Bansei Animame.
- 416812. H-020156. Bansei Cha Shouryuu.
- 416813. H-040057. Bansei Kuro Daizu.
- 416814. H-020329. Bansei Shi Mame.
- 416815. H-020328. Bansei Tokishirazu.
- 416816. H-040244. Bikuni. See also P.I. 238926.
- 416817. H-040030. Bitoku Daizu.
- 416818. H-020011. Bonjiro 55.
- 416819. H-090088. Bunsei.
- 416820. H-020392. Cha Daizu.
- 416821. H-020151. Cha Mame (Nou).
- 416822. H-040051. Cha Mame Shouryuu.
- 416823. H-110024. Cha Masshokutou (China).
- 416824. H-040094. Chasaya (2).
- 416825. H-060031. Cha Sengoku 81.
- 416826. H-000008. Cha Sengoku 81.
- 416827. H-020194. Cha Shouryuu.
- 416828. H-040271. Chiba Nouken 3.

416746 to 417582—Continued

- 416829. H-020071. Chiguito.
- 416830. H-090057. Chikugo Daizu.
- 416831. H-040119. Chintaosan Outou.
- 416832. H-020028. Chougetsu.
- 416833. H-040084. Chousen Daizu Gei.
- 416834. H-060042. Chousen Oiarukan.
- 416835. H-040313. Chousenshu.
- 416836. H-060043. Chousen Tansei Daizu.
- 416837. H-030051. Choutan.
- 416838. H-020164. Choutan.
- 416839. H-040100. Choutan Cha.
- 416840. H-100011. Choutan Mejiro (Korea).
- 416841. H-040099. Choutan Shirome.
- 416842. H-070004. Chuusei 11.
- 416843. H-020097. Chuusei Daizu.
- 416844. H-070003. Chuusei Daizu.
- 416845. H-020195. Chuusei Kuro Daizu.
- 416846. H-020098. Chuusei ShiroSaya.
- 416847. H-030055. Chuuseishu.
- 416848. H-050001. Chuu Teppou.
- 416849. H-040175. Daido Mame.
- 416850. H-020378. Daidou Mame.
- 416851. H-020058. Daiga Daizu.
- 416852. H-020019. Daini Akasaya.
- 416853. H-040117. Daioutou.
- 416854. H-110001. Daioutou (China).
- 416855. H-030039. Daizu 2.
- 416856. H-040221. Daizu Kantou 3.
- 416857. H-020395. Daruma 2.
- 416858. H-020410. Daruma 30.
- 416859. H-040170. Date Koshichi.
- 416860. H-040187. Dekisugi.
- 416861. H-020073. Dikushii.
- 416862. H-090033. Doyou Mame.
- 416863. H-040071. Ekou Daizu.
- 416864. H-020029. Enomoto.
- 416865. H-040044. Fuji.
- 416866. H-040048. Fuji Zairai.
- 416867. H-040049. Fuji Zairai.
- 416868. H-060074. Fukken Daizu.
- 416869. H-040205. Fuku Mejiro.
- 416870. H-040194. Fukumusume.
- 416871. H-020036. Furiodoshi.

416746 to 417582—Continued

416872. H-030032. Fusanari.
416873. H-090085. Fusanari Daizu.
416874. H-090093. Fusanari 1.
416875. H-090027. Fuufu Daizu.
416876. H-020373. Gankui 3.
416877. H-020317. Geden Shirazu 1.
416878. H-030002. Gennai.
416879. H-020452. Genzoku.
416880. H-060038. Gifu Wase Senshutsu.
416881. H-070020. Gin Daizu.
416882. H-020043. Gin Daizu.
416883. H-040037. Ginjiro.
416884. H-020088. Ginjiro.
416885. H-040010. Ginjiro (Nagano).
416886. H-090067. Ginsui Zairai.
416887. H-020091. Gionbou 3.
416888. H-020232. Goishi Shirohana.
416889. H-020094. Goku Daizu.
416890. H-040238. Gokuwase Natsu Daizu.
416891. H-040058. Goubara Daizu.
416892. H-030044. Goyou Kuro Mame.
416893. H-070009. Hachigatsu Daizu.
416894. H-090104. Hachira Daizu.
416895. H-020460. Hachirihan.
416896. H-020105. Hadaka 3.
416897. H-020355. Hadaka Mame.
416898. H-040196. Haga Zairai.
416899. H-040112. Haihaku Daizu.
416900. H-040137. Hai Mame.
416901. H-040003. Hai Neko.
416902. H-020003. Hakka Zashi.
416903. H-020404. Hakkei 10.
416904. H-110007. Hakubi (China).
416905. H-040321. Hakubi.
416906. H-040070. Hakubi Daizu.
416907. H-040064. Hana Shirazu.
416908. H-020324. Hanawa Zairai.
416909. H-040161. Hanjiro.
416910. H-040074. Hashinomi.
416911. H-030031. Hashiri Mame.
416912. H-020379. Hato Koroshi B.
416913. H-020311. Hatsukari.
416914. H-040324. Hayagin 1.

416746 to 417582—Continued

- 416915. H-090056. Hayakin.
- 416916. H-030036. Hayatakiya Jun 1.
- 416917. H-090018. Hazenomi Daizu.
- 416918. H-060027. Head Green 3.
- 416919. H-040102. Heijou.
- 416920. H-020374. Higan Mame.
- 416921. H-090013. Higo Musume.
- 416922. H-020129. Hikage Mame.
- 416923. H-020197. Hikarikuro.
- 416924. H-040020. Hina Daizu.
- 416925. H-020471. Hiroshima Shiro Daizu.
- 416926. H-060047. Hishiumi Zairai.
- 416927. H-040014. Hitashi Mame (Shiro).
- 416928. H-040262. Hitashi Mame (Shirokuro).
- 416929. H-040158. Hiyama Kuro 2.
- 416930. H-010023. Hokkai Hadaka.
- 416931. H-020124. Hokkai Mame.
- 416932. H-040018. Horikoshi.
- 416933. H-040346. Horikoshi Daizu.
- 416934. H-040164. Hoshi Mame.
- 416935. H-090068. Hoshino Zairai.
- 416936. H-110021. Houchi Daizu (China).
- 416937. H-040184. Houjaku Kuwazu.
- 416938. H-040171. Houkichi.
- 416939. H-020136. Hounen Mame.
- 416940. H-010036. Hourai.
- 416941. H-020063. Houten Hakubi.
- 416942. H-090037. Ian Daizu.
- 416943. H-040178. Ibaragi.
- 416944. H-020400. Ibaragi 17.
- 416945. H-020399. Ibaragi Mame.
- 416946. H-090060. Ichigou Wase.
- 416947. H-080010. Ichinomiya Zairai 1.
- 416948. H-080011. Ichinomiya Zairai 2.
- 416949. H-080012. Ichinomiya Zairai 3.
- 416950. H-020024. Ichiryuu.
- 416951. H-040033. Imada Daizu.
- 416952. H-040229. Ise Mame.
- 416953. H-090021. Ishihara Daizu.
- 416954. H-020188. Ishikari Shiro.
- 416955. H-030038. Ishitsutsumi (Toyama).
- 416956. H-040239. Itachi.
- 416957. H-020367. Itachikara.

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416963. H-09008. Jin Nai.
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416965. H-020031. Jizou.
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416969. H-020480. Kaburekara.
416970. H-020416. Kaburekara Aki.
416971. H-060090. Kaifuu Gyuumou Ou 1.
416972. H-090039. Kaigen Hakka.
416973. H-020035. Kairyō Azumanishiki.
416974. H-040069. Kairyō Gionbou.
416975. H-020405. Kairyō Kakushin.
416976. H-090041. Kairyō Shirome.
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416979. H-020501. Kakushin 1.
416980. H-080015. Kamifusa Zairai (B).
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- 417014. H-090097. Kawahara 1.
- 417015. H-020347. Kawanagare (Iwate).
- 417016. H-020409. Keburi 1.
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- 417018. H-020017. Keikidou Suigen.
- 417019. H-020166. Kei Mame.
- 417020. H-040237. Ke Nashi.
- 417021. H-020212. Kikuchi 1.
- 417022. H-020108. Ki Mame.
- 417023. H-040252. Kimusume.
- 417024. H-090054. Kin.
- 417025. H-060037. Kinai Kuro Sengoku 2.
- 417026. H-090006. Kinai Tokushima 2.
- 417027. H-040219. Kinbee.
- 417028. H-040228. Kin Daizu.
- 417029. H-020062. Kingen.
- 417030. H-110022. Kingen 1 (China).
- 417031. H-030009. Kinkazan.
- 417032. H-060026. Kinmon Daizu.
- 417033. H-020385. Kinnari Zairai.
- 417034. H-020436. Kinoshita 4.
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- 417038. H-020441. Kinoshita Mame.
- 417039. H-020339. Kinoshita (Yamagata).
- 417040. H-110023. Kin-ou 1 (China).
- 417041. H-100020. Kinshuu Ao Shouryuu (Korea).
- 417042. H-090022. Kisaya (1).
- 417043. H-040256. Kitahama 1.

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- 417044. H-040257. Kitahama Wase.
- 417045. H-010019. Kitami Nagaha (Shirome).
- 417046. H-040180. Kitsunesaya.
- 417047. H-030006. Koban Mame (Zairai).
- 417048. H-020219. Kobinkatagi.
- 417049. H-040038. Ko Ginjiro.
- 417050. H-090046. Kogane Daizu.
- 417051. H-040166. Ko Hachigatsu.
- 417052. H-130010. Kohamashu (Murasaki Bana) (Okinawa).
- 417053. H-130011. Kohamashu (Shiro Bana) (Okinawa).
- 417054. H-020021. Kojiro.
- 417055. H-020144. Kokei 2.
- 417056. H-040220. Kokeshi Jiro.
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- 417058. H-090034. Komuta.
- 417059. H-110011. Konopo Daizu (China).
- 417060. H-040116. Konpokei 1.
- 417061. H-040199. Kosa Mame.
- 417062. H-040055. Koshika Daizu.
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- 417064. H-020042. Kotou.
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- 417079. H-110012. Koushurei Hakubi (China).
- 417080. H-060044. Kousuu Zairai.
- 417081. H-100012. Kouyou Daizu (Korea).
- 417082. H-030059. Kugatsu Mame.
- 417083. H-020096. Kuma.
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- 417086. H-040031. Kurashina Ban Daizu.

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- 417089. H-090081. Kuro Daizu.
- 417090. H-040113. Kuro Daizu Shouryuu.
- 417091. H-040095. Kuro Mame.
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- 417093. H-060076. Kuro Mame (Nagata).
- 417094. H-110025. Kuro Masshokutou (Kou 204) (China).
- 417095. H-030011. Kuro Sakigake.
- 417096. H-020158. Kuro Shouryuu.
- 417097. H-040017. Kurobe Gin.
- 417098. H-020364. Kurohira.
- 417099. H-020503. Kurokawa Date Ao.
- 417100. H-000002. Kurokawa Seikyou.
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- 417104. H-090043. Kurosaya.
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- 417106. H-020494. Kurozatou Mame.
- 417107. H-020515. Kyousaku Shirazu.
- 417108. H-020040. Kyushirou.
- 417109. H-090100. Kyushu 7.
- 417110. H-090101. Kyushu 8.
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- 417136. H-060041. Manshuu Konpo Daizu.
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- 417138. H-020070. Masshokutou (Kou 502).
- 417139. H-020068. Masshokutou (Kou 503).
- 417140. H-020069. Masshokutou Roshiyashu.
- 417141. H-040337. Masuyama.
- 417142. H-040081. Matsuba Daizu.
- 417143. H-090053. Matsuba Daizu.
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- 417145. H-040183. Matsuzukuri..
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- 417148. H-020398. Mejiro 3.
- 417149. H-090089. Menotake.
- 417150. H-040314. Mikawashima.
- 417151. H-040072. Mikuri Daizu.
- 417152. H-040073. Mikuri 46.
- 417153. H-040267. Minoaka Daizu.
- 417154. H-090011. Misaki Daizu.
- 417155. H-000009. Misao.
- 417156. H-020218. Miso Mame.
- 417157. H-020411. Mitsu Mame (B).
- 417158. H-040332. Mitsuzaya.
- 417159. H-020388. Miyagi Shirome.
- 417160. H-040216. Miyashiro.
- 417161. H-040214. Miyashiro Jun 1.
- 417162. H-030029. Mizukuguri.
- 417163. H-020213. Mochi Mame.
- 417164. H-030008. Mochi Mame (Zairai).
- 417165. H-020160. Moyashi Mame.
- 417166. H-020139. Mumei.
- 417167. H-020149. Mumou Hadaka.
- 417168. H-020161. Mumou Madara.
- 417169. H-020154. Murasaki No Mi.
- 417170. H-020338. Mutsu Mejiro.
- 417171. H-020340. Mutsu Shiratama.
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- 417173. H-020248. N-B (A).
- 417174. H-020249. N-B (A).
- 417175. H-020254. N-B (A).
- 417176. H-020250. N-B (B).
- 417177. H-020255. N-B (B).
- 417178. H-020258. N-B (Katsuge).
- 417179. H-020260. N-B (Katsuge).
- 417180. H-020522. N-B (Shiroge).
- 417181. H-020134. Nagon.
- 417182. H-020027. Nakaide.
- 417183. H-020113. Nakaide D Sou.
- 417184. H-060046. Natsu Daizu.
- 417185. H-090002. Natsu Daizu.
- 417186. H-090045. Natsu Daizu 1.
- 417187. H-090035. Natsu Kurakake.
- 417188. H-020487. Nattou Mame.
- 417189. H-020014. Nerikuri.
- 417190. H-040240. Nezumi.
- 417191. H-020114. Nezumi Gaishi.
- 417192. H-020115. Nezumi Gaishi.
- 417193. H-020462. Nezumi Meta. See also P.I. 243538.
- 417194. H-090001. Niban Daizu.
- 417195. H-020459. Niigata 4.
- 417196. H-040316. Nishiarai.
- 417197. H-020406. Niwa Mame.
- 417198. H-020215. Nomoto Shirohana.
- 417199. H-040111. Noucha Taitai.
- 417200. H-040202. Nourin 3.
- 417201. H-020065. Nyuuchan.
- 417202. H-020334. Obako Hikari.
- 417203. H-C40341. Odagiri Zairai.
- 417204. H-040025. Ogura Daizu.
- 417205. H-040179. Ohoibaragi.
- 417206. H-040041. Oho Mame.
- 417207. H-040103. Oiarugon.
- 417208. H-090071. Oka Kaizu.
- 417209. H-020217. Okita 1.
- 417210. H-020180. Okuhara Daizu.
- 417211. H-030033. Okuyutaka.
- 417212. H-020318. Oni Akasaya.
- 417213. H-030060. Oohama.
- 417214. H-020104. Ooinoue 50.
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- 417217. H-020067. Ookintou.
- 417218. H-020214. Oomedama.
- 417219. H-010044. Oomejiro.
- 417220. H-020432. Oomoto Mame.
- 417221. H-080008. Oono Zairai (B).
- 417222. H-080009. Oono Zairai (C).
- 417223. H-020131. Oonuki Zairaishu.
- 417224. H-040024. Ooshika Daizu.
- 417225. H-020022. Ooshiratama.
- 417226. H-020182. Ooyachi.
- 417227. H-010013. Ooyachi 1.
- 417228. H-020181. Ooyachi 3.
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- 417232. H-020288. Ou Kei 3.
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- 417240. H-100008. Peing Buktai (Korea).
- 417241. H-110004. Pekin Dai Outou (China).
- 417242. H-110005. Pekin Dai Seitou (China).
- 417243. H-110006. Pekin Kuro Daizu (China).
- 417244. H-040133. Petten.
- 417245. H-020509. Raikou.
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- 417247. H-040104. Rikankan.
- 417248. H-020520. Rikuu 2.
- 417249. H-020265. Rikuu 4.
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- 417251. H-020519. Rikuu 9.
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- 417253. H-020271. Rikuu 16.
- 417254. H-020272. Rikuu 17.
- 417255. H-020274. Rikuu 20.
- 417256. H-020277. Rikuu 29.
- 417257. H-020278. Rikuu 30.
- 417258. H-090098. Rinou.

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- 417260. H-060033. Saga Zairai.
- 417261. H-060045. Saishuutou Tansei Zairai.
- 417262. H-040001. Sakagami 2.
- 417263. H-020442. Sakyuu Ki Mame.
- 417264. H-040174. Sanbon Isshou.
- 417265. H-040168. Sandan Mame.
- 417266. H-040022. Sangokutori.
- 417267. H-020420. Sangokutori (Yamagata).
- 417268. H-020106. Sanryuuri.
- 417269. H-060085. Santou Shin Tikukan.
- 417270. H-040310. Satou Daizu.
- 417271. H-020025. Satou Daizu.
- 417272. H-020147. Satou Irazu.
- 417273. H-060065. Sayama 5.
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- 417275. H-040259. Seian Shououtou.
- 417276. H-020053. Seisen.
- 417277. H-020143. Sedaichi.
- 417278. H-000001. Senbon.
- 417279. H-020323. Sennari.
- 417280. H-020375. Sennari 1.
- 417281. H-060052. Sennari (A).
- 417282. H-040224. Sennari Kimusume Sai 1.
- 417283. H-020117. Sennari Komusume 1.
- 417284. H-020220. Sennari Kou.
- 417285. H-020386. Sennari Musume.
- 417286. H-030043. Shakkin Nashi.
- 417287. H-040258. Shakkin Nashi Sen.
- 417288. H-040350. Shibahara Mame.
- 417289. H-080016. Shifuku Zairai Senbatsu.
- 417290. H-070006. Shiga Daizu.
- 417291. H-020064. Shiheigai Hakka.
- 417292. H-020172. Shiheigai Kurobeso.
- 417293. H-020034. Shijika.
- 417294. H-110014. Shika 1 (China).
- 417295. H-110016. Shika 3 (China).
- 417296. H-040068. Shimabara.
- 417297. H-040312. Shimizu 1-8-1.
- 417298. H-020506. Shimokawa.
- 417299. H-020461. Shimonaga.
- 417300. H-020179. Shimo Shirazu 1.
- 417301. H-020032. Shimotsuki.

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- 417302. H-060025. Shin-ei-Daizu.
- 417303. H-030021. Shin 3.
- 417304. H-090049. Shin Hounen.
- 417305. H-020002. Shinroku.
- 417306. H-060001. Shin Tamanishiki.
- 417307. H-020128. Shiragiku.
- 417308. H-040005. Shirakawa Cha Mame.
- 417309. H-040197. Shirasaya 1.
- 417310. H-040053. Shiro Aki Daizu.
- 417311. H-080003. Shiro Daihachirin.
- 417312. H-060058. Shiro Daizu.
- 417313. H-070011. Shiro Daizu.
- 417314. H-080017. Shiro Daizu.
- 417315. H-020320. Shiro Daizu.
- 417316. H-040272. Shiro Daizu.
- 417317. H-050006. Shiro Daizu.
- 417318. H-080004. Shiro Daizu 1.
- 417319. H-080013. Shiro Daizu 3. See also P.I. 200530.
- 417320. H-040351. Shirohada.
- 417321. H-090016. Shiro Hadaka 1.
- 417322. H-020142. Shiro Hiyashi Mame.
- 417323. H-090025. Shirokuchi 1.
- 417324. H-020023. Shiro Mame.
- 417325. H-040080. Shirome.
- 417326. H-090004. Shirome.
- 417327. H-090003. Shirome 1.
- 417328. H-090019. Shirome 2.
- 417329. H-040335. Shirome Choutan.
- 417330. H-040088. Shironeko Sen.
- 417331. H-040429. Shiro Pankon.
- 417332. H-020477. Shirosaya 8.
- 417333. H-010032. Shiro Sengoku.
- 417334. H-020184. Shiroshouryuu.
- 417335. H-040098. Shirosota.
- 417336. H-020052. Shirosota.
- 417337. H-020424. Shirotakashu.
- 417338. H-020387. Shiro Teppou.
- 417339. H-010049. Shiro Tsuru No Ko.
- 417340. H-020066. Shiryuuou.
- 417341. H-040328. Shitabori Daizu.
- 417342. H-060035. Shokuyou Aki Daizu.
- 417343. H-040029. Shoufuku Daizu.
- 417344. H-040028. Shoufuku 1.

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- 417345. H-110002. Shou Outou (China).
- 417346. H-040091. Shouseiryuu.
- 417347. H-030035. Sokoshin.
- 417348. H-020061. Soubisebikon.
- 417349. H-020171. Souroushi.
- 417350. H-100019. Suigen Ao (Korea).
- 417351. H-040106. Suigen 1.
- 417352. H-020414. Sunazumi.
- 417353. H-040086. Suzu Mame.
- 417354. H-020297. Ta Kei 9.
- 417355. H-020336. Ta Kei 14.
- 417356. H-020121. Tafuku.
- 417357. H-020051. Taihei.
- 417358. H-040089. Tairyuu Tsurunoko Daizu.
- 417359. H-020138. Taiwan.
- 417360. H-060070. Taiwan Aokawa Daizu.
- 417361. H-040046. Takaoka Zairai.
- 417362. H-040045. Takata 1.
- 417363. H-020493. Takedate 1.
- 417364. H-020517. Takei 2.
- 417365. H-090078. Takimizu.
- 417366. H-040008. Takiya.
- 417367. H-040007. Takiya (Waseshu).
- 417368. H-020095. Tamana.
- 417369. H-030047. Tamana.
- 417370. H-060051. Tamanishiki.
- 417371. H-020116. Tamaniwashu 1.
- 417372. H-020125. Tamatsukuri.
- 417373. H-020382. Tamatsukuri 11.
- 417374. H-020089. Tanaba Kuro.
- 417375. H-040023. Tanoiri Daizu.
- 417376. H-040250. Tanokuro Daizu.
- 417377. H-020332. Tanryoku 2.
- 417378. H-020167. Tansen 45.
- 417379. H-020057. Tansenki.
- 417380. H-110010. Tekkyou Seitou (China).
- 417381. H-010030. Tenpoku Shirome.
- 417382. H-110003. Tenshin Dai Seitou (China).
- 417383. H-040107. Tobishima.
- 417384. H-020447. Tochigi.
- 417385. H-060040. Tochigi Cha Sengoku.
- 417386. H-060039. Tochigi Cha Sengoku.
- 417387. H-040334. Tockikubo.

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- 417388. H-070016. Tokushima Daizu 1.
- 417389. H-070017. Tokushima Daizu 2.
- 417390. H-020146. Tomo.
- 417391. H-090029. Toppa.
- 417392. H-090036. Tora Mame. See also P.I. 243546.
- 417393. H-040156. Totsuta Daizu.
- 417394. H-020299. Touhoku 5.
- 417395. H-020301. Touhoku 8.
- 417396. H-020302. Touhoku 9.
- 417397. H-020305. Touhoku 11.
- 417398. H-110008. Touhou Torotou (China).
- 417399. H-040015. Toujou Wase.
- 417400. H-020200. Toukichi 1.
- 417401. H-040129. Toukyou.
- 417402. H-040387. Tousan 4.
- 417403. H-040388. Tousan 5.
- 417404. H-040392. Tousan 12.
- 417405. H-040393. Tousan 13.
- 417406. H-040396. Tousan 18.
- 417407. H-040397. Tousan 19.
- 417408. H-040399. Tousan 21.
- 417409. H-040400. Tousan 22.
- 417410. H-040401. Tousan 23.
- 417411. H-040402. Tousan 24.
- 417412. H-040403. Tousan 26.
- 417413. H-040404. Tousan 27.
- 417414. H-040405. Tousan 28.
- 417415. H-040406. Tousan 30.
- 417416. H-040411. Tousan 36.
- 417417. H-040412. Tousan 37.
- 417418. H-040413. Tousan 38.
- 417419. H-040414. Tousan 40.
- 417420. H-040255. Tousan 52.
- 417421. H-040375. Tousan Kei A319.
- 417422. H-040374. Tousan Kei A634.
- 417423. H-040379. Tousan Kei B62.
- 417424. H-040381. Tousan Kei B248.
- 417425. H-040380. Tousan Kei B497.
- 417426. H-040382. Tousan Kei C62.
- 417427. H-040385. Tousan Kei C331.
- 417428. H-040192. Tsunehira Daizu.
- 417429. H-020448. Tsuru No Tomo.
- 417430. H-020210. Tsuru No Tamago 1.

416746 to 417582—Continued

- 417431. H-020221. Tsuru No Tamago 1.
- 417432. H-020222. Tsuru No Tamago 2.
- 417433. H-020223. Tsuru No Tamago 4.
- 417434. H-020224. Tsuru No Tamago 5.
- 417435. H-020226. Tsuru No Tamago 7.
- 417436. H-020227. Tsuru No Tamago 8.
- 417437. H-040120. Tsushuu Zairai.
- 417438. H-090087. Uchida.
- 417439. H-060060. Uda Daizu.
- 417440. H-090038. Uronkon.
- 417441. H-100013. Urusan (Korea).
- 417442. H-040034. Usuao.
- 417443. H-080006. Wabun Zairai.
- 417444. H-040347. Wakisuke 1.
- 417445. H-020152. Wase Cha Shouryuu.
- 417446. H-040241. Wase Daizu.
- 417447. H-040234. Wase Daizu 4.
- 417448. H-040235. Wase Daizu 7.
- 417449. H-040242. Wase Daizu 11.
- 417450. H-040243. Wase Daizu 12.
- 417451. H-020228. Wase Keburi.
- 417452. H-090030. Wase Kin.
- 417453. H-090065. Wase Kin.
- 417454. H-010043. Wase Kuro Sengoku.
- 417455. H-040159. Wase Kurohikari.
- 417456. H-010001. Wase Mame.
- 417457. H-010039. Wase Midori Oosodefuri.
- 417458. H-090050. Wase Natsu.
- 417459. H-030041. Wase Oiran.
- 417460. H-020341. Wase Shirome.
- 417461. H-030034. Wase Tainome.
- 417462. H-090076. Y1.
- 417463. H-090077. Y2.
- 417464. H-020126. Yachi Mame.
- 417465. H-020205. Yagi 603.
- 417466. H-020206. Yagi Shirohana.
- 417467. H-040173. Yaji Mame.
- 417468. H-040157. Yakumo Meaka.
- 417469. H-040042. Yamabe Daizu.
- 417470. H-090092. Yamada.
- 417471. H-020428. Yashirogi (Yamagata).
- 417472. H-040415. Yatsufusa.
- 417473. H-040169. Yatsu Mame 6.

416746 to 417582—Continued

- 417474. H-040327. Yogore.
- 417475. H-030057. Yonayou.
- 417476. H-040231. Yori Karami.
- 417477. H-020333. Yorisuke Mame.
- 417478. H-010038. Yoshioka Dairyuu.
- 417479. H-020199. Yougetsu.
- 417480. H-020198. Yougetsu 1.
- 417481. H-020039. Yukinoshita.
- 417482. H-020162. Yuumou Madara.
- 417483. H-040062. Zairai Aki Daizu.
- 417484. H-020153. Zairaishu.
- 417485. H-020322. Zairaishu.
- 417486. H-020514. Zairaishu.
- 417487. H-040066. Zairaishu.
- 417488. H-020118. Zairaishu 1.
- 417489. H-020119. Zairaishu 4.
- 417490. H-040331. Zairaishu 2.
- 417491. H-020148. Zairaishu (Akiu).
- 417492. H-000005. Zairaishu (Mineyoshikawa).
- 417493. H-040087. Zairaishu Aki Daizu 2.
- 417494. H-030040. Zenkouji.
- 417495. H-020030. Zenkou Mame.
- 417496. H-740029. 3802. Originally from Brazil.
- 417497. H-740047. 3837. Originally from Brazil.
- 417498. H-740030. Alianca Preta. Originally from Brazil.
- 417499. H-740031. Aratiba. Originally from Brazil.
- 417500. H-740038. Escura A. Originally from Brazil.
- 417501. H-740039. Kedellee Stb 26. Originally from Brazil.
- 417502. H-740025. L356. Originally from Brazil.
- 417503. H-740017. Pioneira. Originally from Brazil.
- 417504. H-740045. S44/55. Originally from Brazil.
- 417505. H-740046. S67/62. Originally from Brazil.
- 417506. H-360074. Bitterhof A. Originally from Eastern Europe.
- 417507. H-360008. Bitterhof C. Originally from Eastern Europe.
- 417508. H-360044. Dippes. Originally from Eastern Europe.
- 417509. H-360009. Dr. Brillmayer 2800. Originally from Eastern Europe.
- 417510. H-360057. Glosman. Originally from Eastern Europe.
- 417511. H-360069. Grignon 48. Originally from Eastern Europe.
- 417512. H-360015. Herb 22. Originally from Eastern Europe.
- 417513. H-370006. Ikar 111. Originally from Eastern Europe.
- 417514. H-360017. Kabine. Originally from Eastern Europe.
- 417515. H-370060. Kubanska 276. Originally from Eastern Europe.
- 417516. H-370027. N14. Originally from Eastern Europe.

416746 to 417582—Continued

- 417517. H-370018. Novosadska White. Originally from Eastern Europe.
- 417518. H-360060. Pulawska Wczesna. Originally from Eastern Europe.
- 417519. H-360048. Szklista. Originally from Eastern Europe.
- 417520. H-370050. Tjeczjaczi. Originally from Eastern Europe.
- 417521. H-360076. Yellow. Originally from Eastern Europe.
- 417522. H-360056. Zagrebacka. Originally from Eastern Europe.
- 417523. H-360064. Zlocista. Originally from Eastern Europe.
- 417524. H-360065. Zolta Swhn. Originally from Eastern Europe.
- 417525. H-390015. Dippe Fruhegelb 14/9. Originally from France.
- 417526. H-390035. Garola Rouest. Originally from France.
- 417527. H-390027. Hispida A Grain Jaune. Originally from France.
- 417528. H-390023. Scheoken. Originally from France.
- 417529. H-340027. A38. Originally from Germany.
- 417530. H-340028. A52. Originally from Germany.
- 417531. H-340003. A401. Originally from Germany.
- 417532. H-340024. A403. Originally from Germany.
- 417533. H-340012. A425. Originally from Germany.
- 417534. H-340013. A438. Originally from Germany.
- 417535. H-340014. A448. Originally from Germany.
- 417536. H-340015. A455. Originally from Germany.
- 417537. H-340016. A456. Originally from Germany.
- 417538. H-340019. A560. Originally from Germany.
- 417539. H-340020. A568. Originally from Germany.
- 417540. H-340009. A609. Originally from Germany.
- 417541. H-340026. B31. Originally from Germany.
- 417542. H-340022. B32. Originally from Germany.
- 417543. H-340004. B33. Originally from Germany.
- 417544. H-340006. B44. Originally from Germany.
- 417545. H-340025. B51. Originally from Germany.
- 417546. H-340007. B52. Originally from Germany.
- 417547. H-340033. Soja 27/60 Heimkraft I. Originally from Germany.
- 417548. H-340031. Soja 74/60 Dornburgerst. Originally from Germany.
- 417549. H-340038. Soja 540/60. Originally from Germany.
- 417550. H-350005. Amuvskae. Originally from Poland.
- 417551. H-350006. Asijskoja Aklimatyrowana. Originally from Poland.
- 417552. H-350007. Black Tokio. Originally from Poland.
- 417553. H-350011. Czavna S.W.H.N. Originally from Poland.
- 417554. H-350016. Early Mandarin. Originally from Poland.
- 417555. H-350019. Halfon 502. Originally from Poland.
- 417556. H-350021. Itocista. Originally from Poland.
- 417557. H-350031. Krusolia. Originally from Poland.
- 417558. H-350028. Murzynka. Originally from Poland.
- 417559. H-350030. Pulaska Zolta Wczesna. Originally from Poland.

416746 to 417582—Continued

- 417560. H-350036. Virginia. Originally from Poland.
- 417561. H-520010. 48.S.103 DL/63/180. Originally from South Africa.
- 417562. H-520012. 54.S.30 DL/64/185. Originally from South Africa.
- 417563. H-150002. 'Dalat B'. Originally from Southeast Asia.
- 417564. H-310013. 856-3-34. Originally from Sweden.
- 417565. H-310003. 1040-3-23-1. Originally from Sweden.
- 417566. H-130032. A92. Originally from Taiwan.
- 417567. H-130006. D4. Originally from Taiwan.
- 417568. H-130014. E86. Originally from Taiwan.
- 417569. H-130033. 038. Originally from Taiwan.
- 417570. H-160010. Chiangmai. Originally from Thailand.
- 417571. H-320011. Australia. Originally from Union of Soviet Socialist Republics.
- 417572. H-320012. Kubanskaja 33. Originally from Union of Soviet Socialist Republics.
- 417573. H-320001. Ussurijskaja 19 . Originally from Union of Soviet Socialist Republics.
- 417574. H-320003. Ussurijskaja 029. Originally from Union of Soviet Socialist Republics.
- 417575. H-020083. George Washington. Originally from United States.
- 417576. H-020080. Lexington. Originally from United States.
- 417577. H-020077. Mikado. Originally from United States.
- 417578. H-040127. Sherwood. Originally from United States.
- 417579. H-000003. Southern Prolific. Originally from United States.
- 417580. H-020079. Tokyo. Originally from United States.
- 417581. H-060072. Originally from United States.
- 417582. H-060013. Originally from United States.

417583 to 417818.

From Mexico. Seed collected by O. W. Norvell, Stanford University, Palo Alto, California, and greenhouse increased by Regional Plant Introduction Station, Washington State University, Pullman, Washington. Numbered June 10, 1977.

- 417583 and 417584. *MACROPTILIUM ATROPURPUREUM* (DC) Urb. Fabaceae. Siratro.
- 417583. M7260. El Salto, Jalisco State. Local name "Caracol".
- 417584. M7260A. Across road from El Salto, Jalisco State.
Probably an escape, from cultivation.
- 417585 to 417611. *PHASEOLUS COCCINEUS* L. Scarlet runner bean.
- 417585. M7054-1. Ixtlan, Oaxaca State.
- 417586. M7271-B Rancho Caracol, Jalisco State. Flowers red.
Local name "Frijolillo".
- 417587. M7285-A. Perote, Veracruz State. Local name "Ayocote".
- 417588. M7285-B. Perote, Veracruz State. Local name "Ayocote".
- 417589. M7399-D. Cerro de Espinosa del Diablo (between San Miguel El Alto and San Julian), Jalisco State. Flowers red.

417583 to 417818—Continued**417585 to 417611—Continued**

417590. M7399-U. Cerro de Espinosa del Diablo (between San Miguel El Alto and San Julian), Jalisco State. Flowers red.
417591. M7399-V. Cerro de Espinosa del Diablo (between San Miguel El Alto and San Julian), Jalisco State. Flowers red.
417592. M7399-W. Cerro de Espinosa del Diablo (between San Miguel El Alto and San Julian), Jalisco State. Flowers red.
417593. M7400-D. Cerro de Espinosa del Diablo (between San Miguel El Alto and San Julian), Jalisco State. Flowers red.
417594. M7402-C. Below Rancho Caracol, Jalisco State. Flowers red.
417595. M7402-F. Below Rancho Caracol, Jalisco State. Flowers red.
417596. M7402-N. Below Rancho Caracol, Jalisco State. Flowers red.
419597. M7402-Q. Below Rancho Caracol, Jalisco State. Flowers red.
417598. M7403-B. Below Rancho Caracol, Jalisco State. Flowers red.
417599. M7403-C. Below Rancho Caracol, Jalisco State. Flowers red.
417600. M7403-D. Below Rancho Caracol, Jalisco State. Flowers red.
417601. M7415. Near Santa Maria del Valle, Jalisco State. Indigenous. Flowers red.
417602. M7417-A. Rio Buche near Santa Maria del Valle (near bridge on highway going to San Miguel El Alto), Jalisco State. Flowers red.
417603. M7417-B. Rio Buche near Santa Maria del Valle (near bridge on highway going to San Miguel El Alto), Jalisco State. Flowers red.
417604. M7417-C. Rio Buche near Santa Maria del Valle (near bridge on highway going to San Miguel El Alto), Jalisco State. Flowers red.
417605. M7417-D. Rio Buche near Santa Maria del Valle (near bridge on highway going to San Miguel El Alto), Jalisco State. Flowers red.
417606. M7417-E. Rio Buche near Santa Maria del Valle (near bridge on highway going to San Miguel El Alto), Jalisco State. Flowers red.
417607. M7417-F. Rio Buche near Santa Maria del Valle (near bridge on highway going to San Miguel El Alto), Jalisco State. Flowers red.
417608. M7417-G. Rio Buche near Santa Maria del Valle (near bridge on highway going to San Miguel El Alto), Jalisco State. Flowers red.
417609. M7421-A. Along Rio Buche, 2 km from highway near Santa Maria del Valle, Jalisco State. Flowers red.
417610. M7421-B. Along Rio Buche, 2 km from highway near Santa Maria del Valle, Jalisco State. Flowers red.
417611. M7423-A. Cerro Aguila, Barranca del Muerto, Santa Maria del Valle, Jalisco State. Flowers red.
- 417612 to 417817. PHASEOLUS VULGARIS L. Common bean.**
417612. M7093-3. Xalapa Market, Veracruz State. Bush type, mildew susceptible.
417613. M7094-1. Xalapa Market, Veracruz State.
417614. M7204. Penjamo, Guanajuato State. Local name "Flor de Mayo". Origin reportedly Guatemala.

417583 to 417818—Continued**417612 to 417817—Continued**

417615. M7205. Yurecuaro, Michoacan State. Local name "Flor de Mayo".
417616. M7205-1-1. Yurecuaro, Michoacan State. Local name "Flor de Mayo".
Early, half runner.
417617. M7205-1-2. Yurecuaro, Michoacan State. Local name "Flor de Mayo".
Early, half runner.
417618. M7206. Yurecuaro, Michoacan State. Local name "Pastillo".
417619. M7207-20. Yurecuaro, Michoacan State. Local name "Cuarenteno".
417620. M7209-5. Florencio (30 km from La Piedad and 7 km from Yurecuaro),
Michoacan State. Mildew susceptible.
417621. M7209-6. Florencio (30 km from La Piedad and 7 km from Yurecuaro),
Michoacan State. Local name "Frijol de Coyote". Mildew susceptible.
417622. M7209-7. Florencio (30 km from La Piedad and 7 km from Yurecuaro),
Michoacan State. Mildew susceptible.
417623. M7218. Arandas, Jalisco State.
417624. M7222. El Tule, Arandas, Jalisco State. Local name "Coyote".
417625. M7223-E-5. Guanajuato and Jalisco State line, near Leguillos, Guana-
juato State. Reported to set dark seeds on cool nights, yellow seeds on balmy
nights, on the same plant.
417626. M7223-K-5. Guanajuato and Jalisco State line, near Leguillos, Guana-
juato State. Mildew susceptible.
417627. M7229-A. Cerro de Las Gallinas, Churentzio, (80 km from La Piedad
on road to Carapon), Michoacan State. Mixture of small, pink seeds, winter
flowering.
417628. M7229-B. Cerro de Las Gallinas, Churentzio, (80 km from La Piedad on
road to Carapon), Michoacan State. Mixture of small, brown seeds, winter
flowering.
417629. M7230. Cerro de Las Gallinas, Churentzio, Michoacan State. Mixture of
pink and brown seeds of various sizes, winter flowering. Wild.
417630. M7231. Cerro de Las Gallinas, Churentzio, Michoacan State.
417631. M7232. Cerro de Las Gallinas, Churentzio, Michoacan State.
417632. M7232-5. Cerro de Las Gallinas, Churentzio, Michoacan State.
417633. M7233. Cerro de Las Gallinas, Churentzio, Michoacan State. Red, pink.
417634. M7233-6-1. Cerro de Las Gallinas, Churentzio, Michoacan State. Winter
flowering.
417635. M7233-6-2. Cerro de Las Gallinas, Churentzio, Michoacan State. Winter
flowering.
417636. M7234-6. Churentzio, Michoacan State.
417637. M7239-A. Cerro de Patandos, Cuarano, Guanajuato State. Smooth,
round seed.
417638. M7239-A-1. Cerro de Patandos, Cuarano, Guanajuato State. Taproot
with five laterals emerging near ground level. Mildew susceptible.

417583 to 417818—Continued**417612 to 417817—Continued**

417639. M7239-B. Cerro de Patandos, Cuarano, Guanajuato State. Flat, wrinkled seed.
417640. M7239-B-1. Cerro de Patandos, Cuarano, Guanajuato State. Mildew susceptible.
417641. M7240-B-1. Cerro del Banco, Guanajuato State.
417642. M7240-B-1-1. Cerro del Banco, Guanajuato State. Seed large.
417643. M7240-C. Cerro del Banco, Guanajuato State. Seed small.
417644. M7240-C-1. Cerro del Banco, Guanajuato State.
417645. M7241-A-1. Cerro de Nobile, Cuareramo, Guanajuato State. Some mildew.
417646. M7241-B. Cerro de Nobile, Cuareramo, Guanajuato State. Seed medium.
417647. M7241-C. Cerro de Nobile, Cuareramo, Guanajuato State. Large, flat seed.
417648. M7241-D-1. Cerro de Nobile, Cuareramo, Guanajuato State. Mildew susceptible.
417649. M7242-B-1. Cerro de Guillote, Cuareramo, Guanajuato State. Mildew susceptible.
417650. M7243-A-2. Cerro de Zorilla, Cuareramo, Guanajuato State.
417651. M7245. El Cerro de La Barrario, Cuareramo, Guanajuato State. Seed small, black. Wild.
417652. M7246. Cerro del Ralide, Cuareramo, Guanajuato State.
417653. M7247. El Cerro de Sauseda, Cuareramo, Guanajuato State. Seed small. Wild.
417654. M7249-A. Cerro de Sonberito (Berito), Cuareramo, Guanajuato State. Seed shiny black.
417655. M7249-B. Cerro de Sonberito (Berito), Cuareramo, Guanajuato State. Seed dull, brown, round.
417656. M7250. Cerro de Torro, Cuareramo, Guanajuato State. Seed small.
417657. M7252. Cerro de Panales (near Irapuato), Guanajuato State. Seed small, black. Likely an escape.
417658. M7253. Cerro de Panales (near Irapuato), Guanajuato State. Seed medium, black. Likely an escape.
417659. M7261-B. Below El Salto, Jalisco State. Local name "Coyote".
417660. M7261-B-1. Below El Salto, Jalisco State. Local name "Coyote".
417661. M7261-C. Below El Salto, Jalisco State. Local name "Coyote".
417662. M7261-D. Below El Salto, Jalisco State. Local name "Coyote".
417663. M7261-D-1. Below El Salto, Jalisco State.
417664. M7262-1. Across road from El Salto, Jalisco State. Seed large. Wild.
417665. M7263-A. Across road from El Salto, Jalisco State. Escaped from cultivation.
417666. M7263-B. Across road from El Salto, Jalisco State.

417583 to 417818—Continued**417612 to 417817—Continued**

417667. M7263-D-20. El Salto, Jalisco State.
417668. M7263-E. Across highway from El Salto, Jalisco State.
417669. M7263-H. Across highway from El Salto, Jalisco State. Growing wild, likely an escape.
417670. M7265-A. Milpa, not far from Jaral, Guanajuato State (El Paso locally). Local name "Flor de Mayo".
417671. M7267-A. Rancho Caracol, Jalisco State. Escaped cultivated bean.
417672. M7267-B. Rancho Caracol, Jalisco State. Escaped cultivated bean.
417673. M7267-G. Rancho Caracol, Jalisco State. Escaped cultivated bean.
417674. M7268-A. Rancho Caracol, Jalisco State. Seed black. Wild.
417675. M7268-C. Rancho Caracol, Jalisco State.
417676. M7268-D. Rancho Caracol, Jalisco State.
417677. M7268-E. Rancho Caracol, Jalisco State.
417678. M7270-A. Rancho Caracol, Jalisco State. Local name "Pinto". Wild.
417679. M7270-B. Rancho Caracol, Jalisco State.
417680. M7270-C. Rancho Caracol, Jalisco State.
417681. M7270-D. Rancho Caracol, Jalisco State.
417682. M7277. Below bridge in El Tule, Jalisco State. Winter flowering. High yield potential. Three nodes and mostly five pods (six possible) per inflorescence. *Fusarium* tolerant. Wild.
417683. M7278-A. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417684. M7278-B. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417685. M7278-C. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417686. M7278-D. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417687. M7278-E. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417688. M7278-F. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417689. M7278-G. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417690. M7278-J. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417691. M7278-K. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417692. M7278-L. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417693. M7278-M. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417694. M7278-N. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417695. M7278-P. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417696. M7278-Q. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417697. M7278-R. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417698. M7278-S. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417699. M7278-T. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417700. M7278-U. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417701. M7278-V. Below bridge in El Tule, Jalisco State. Local name "Coyote".
- Variable seed.
417702. M7278-W. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417703. M7278-X. Below bridge in El Tule, Jalisco State. Local name "Coyote".
- Variable seed.

417583 to 417818—Continued

417612 to 417817—Continued

417704. M7278-Y. Below bridge in El Tule, Jalisco State. Local name "Coyote".
417705. M7282-R. Above bridge in El Tule, Jalisco State. Winter flowering.
417706. M7282-S. Above bridge in El Tule, Jalisco State. Winter flowering.
417707. M7282-T. Above bridge in El Tule, Jalisco State. Winter flowering.
417708. M7282-U. Above bridge in El Tule, Jalisco State. Winter flowering.
417709. M7283-A. Above bridge and across from a private residence in El Tule, Jalisco State.
417710. M7283-C. Above bridge and across from a private residence in El Tule, Jalisco State.
417711. M7284. Above bridge in El Tule, Jalisco State. Winter flowering. *Fusarium* tolerant.
417712. M72484-M. Above bridge in El Tule, Jalisco State. Winter flowering.
417713. M7286. Perote, Veracruz State. Local name "Mantequillo".
417714. M7288. Perote, Veracruz State. Local name "Mantequillo".
417715. M7289. Magueyito, Veracruz State. Local name "Charro".
417716. M7290. Magueyito, Veracruz State. Local name "Ocheteneno".
417717. M7291. Magueyito, Veracruz State. Local name "Matiado Ocheteneno".
417718. M7292. Ahuyahuacalco, Veracruz State. Local name "Enredador".
January or later flowering.
417719. M7293. Aya, below Ahuyahuacalco, and much below Magueyito, Veracruz State. Local name "Enredador".
417720. M7299. Atzalan, Veracruz State. Local name "Criollo". Winter flowering. Seed stock of N-203.
417721. M7301. Altatonga, Veracruz State. Local name "Enredador Paraleno". Winter flowering.
417722. M7305. Altatonga, Veracruz State. Local name "Arivena". Seed black.
417723. M7306-A. Altatonga, Veracruz State. Local name "Poroto Amarillo".
417724. M7306-B. Altatonga, Veracruz State. Local name "Arivena Amarillo".
417725. M7310. Tezuitlan, Puebla State. Local name "Criollo Mateado".
417726. M7312. Tezuitlan, Puebla State. Local name "Enredador". Winter flowering.
417727. M7313. Tezuitlan, Puebla State. Local name "Enredador Paraleno".
Winter flowering.
417728. M7321. Grown near Martinez de la Torre, Veracruz State. Local name "Abajeno".
417729. M7322. Grown near Martinez de la Torre, Veracruz State. Local name "Abajeno".
417730. M7323-3-1. Grown near Martinez de la Torre, Veracruz State.
417731. M7323-3-1-3. Grown near Martinez de la Torre, Veracruz State. Half runner.
417732. M7324. Grown near Martinez de la Torre, Veracruz State.
417733. M7325. Grown near Martinez de la Torre, Veracruz State.

417583 to 417818—Continued

417612 to 417817—Continued

417734. M7326. Altatonga, Veracruz State. Local name "Criollo". Winter flowering. seed stock of N-203.
417735. M7327. Altatonga, Veracruz State. Local name "Criollo". Winter flowering. Seed stock of N-203.
417736. M7329. Altatonga, Veracruz State. Local name "Criollo Tierra de Bieger".
417737. M7330. Altatonga, Veracruz State. Local name "Criollo".
417738. M7331. Jalacingo, Veracruz State. Local name "Criollo". Pitted seeds are of N-203 stock.
417739. M7332. Jalacingo, Veracruz State. Local name "Criollo". Pitted seeds are of N-203 stock.
417740. M7333. Jalacingo, Veracruz State. Local name "Criollo". Pitted seeds are of N-203 stock.
417741. M7334. Jalacingo, Veracruz State. Mixture of "Criollo" (pitted, often dull seeds) and "Enredador" (smooth, often shiny seeds). Suspected *Fusarium* tolerance.
417742. M7336. Xalapa, Veracruz State.
417743. M7340-1 Bulk. Xalapa, Veracruz State. Local name "Frijol Aluvial".
417744. M7340-1-1. Xalapa, Veracruz State.
417745. M7341. Huatusco, Veracruz State. Local name "Frijol de Milpa". Winter flowering.
417746. M7342. Huatusco, Veracruz State. Local name "Frijol de Milpa". Winter flowering.
417747. M7343. Huatusco, Veracruz State. Local name "Frijol de Milpa". Winter flowering.
417748. M7344. Huatusco, Veracruz State. Local name "Frijol de Milpa". Winter flowering.
417749. M7346. Chiapas State. Local name "Parrocho". Winter flowering.
417750. M7347. Chiapas State. Local name "Parrocho". Winter flowering.
417751. M7349-B. Huatusco, Veracruz State. Local name "Vallo".
417752. M7350. Huatusco, Veracruz State. Local name "de Arriaga".
417753. M7352. Huatusco, Veracruz State. Local name "Mantequilla".
417754. M7353. Tamarindo, Veracruz State. Local name "Negro". Bush type.
417755. M7361. Tlapacoyan, Veracruz State. Local name "Cachara".
417756. M7363. Tlapacoyan, Veracruz State. Local name "Abajeno".
417757. M7364. Jalacingo, Veracruz State. Winter flowering.
417758. M7366. Orizaba, Veracruz State. Local name "Abolado".
417759. M7370. Orizaba, Veracruz State. Local name "Parrocho". *Fusarium* resistant. Winter flowering.
417760. M7372. San Miguel El Alto, Jalisco State. Local name "Garbanzo Verde".
417761. M7373. San Miguel El Alto, Jalisco State. Local name "Apetito".

417583 to 417818—Continued**417612 to 417817—Continued**

417762. M7374. San Miguel El Alto, Jalisco State. Local name "Cuarentino".
417763. M7375. San Miguel El Alto, Jalisco State. Local name "Garbanzo de Leche".
417764. M7376. San Miguel El Alto, Jalisco State. Local name "Zamorro".
417765. M7382. Teocoltiche, Jalisco State. Local name "Poblano Pastillo".
417766. M7384. Teocoltiche, Jalisco State. Local name "Cuarenteno Verde".
417767. M7390. Nochistan, Zacatecas State. Local name "Mesquitillo".
417768. M7391-3-1. Nochistan, Zacatecas State.
417769. M7394-3 Bulk. Nochistan, Zacatecas State.
417770. M7408-B On Arandas side of Rio Sanchez at San Jose de Refugio (down river from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417771. M7408-E. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417772. M7408-F. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417773. M7408-L. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417774. M7408-M. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417775. M7408-P. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417776. M7408-Q. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417777. M7408-V. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417778. M7408-W. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417779. M7408-Z. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417780. M7409-D. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.

417583 to 417818—Continued

417612 to 417817—Continued

417781. M7409-E. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417782. M7409-G. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417783. M7409-J. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417784. M7409-K. On Arandas side of Rio Sanchez at San Jose de Refugio (downriver from Rancho Caracol, 9 km from Arandas), Jalisco State. Indigenous.
417785. M7424-B. Cerro del Aguila, Barranca del Muerto, Santa Marie del Valle, Jalisco State. Ancestor of Arandas material.
417786. M7424-C. Cerro del Aguila, Barranca del Muerto, Santa Marie del Valle, Jalisco State.
417787. M7424-D. Cerro del Aguila, Barranca del Muerto, Santa Marie del Valle, Jalisco State.
417788. M7424-E. Cerro del Aguila, Jalisco State.
417789. M7424-G. Cerro del Aguila, Jalisco State.
417790. M7425. Ameca Market, Jalisco State. Local name "Mediacana".
417791. M7441-A. Above Ayutla, Jalisco State. Seed large, likely an escape.
417792. M7441-L. Above Ayutla, Jalisco State. Seed large.
417793. M7450. Poza Rica Market, Veracruz State. Local name "Criollo". Early.
417794. M7450-Bulk-6. Poza Rica Market, Veracruz State. Local name "Criollo". Pods green.
417795. M7450-Bulk-7. Poza Rica Market, Veracruz State. Local name "Criollo". Pods purple.
417796. M7450-5-1. Poza Rica Market, Veracruz State. Bush type.
417797. M7451-10-6. Poza Rica Market, Veracruz State. Pale purple pods.
417798. M7451-10-7. Poza Rica Market, Veracruz State. Pale purple pods.
417799. M7451-10-8. Poza Rica Market, Veracruz State. Pods green with purple stripes.
417800. M7452-2. Nayarit. Local name "Canario". Mixed sample.
417801. M7454-6-1. Poza Rica Market, Veracruz State.
417802. M7458. La Ceiba Market, Puebla State. Local name "Negro".
417803. M7460-4-3. La Ceiba Market, Puebla State.
417804. M7460-4-4. La Ceiba Market, Puebla State.
417805. M8400. Villa Union Market, Sinaloa State. Grown about 80 to 100 km south of Mazatlan, Sinaloa State. Mixture.

417583 to 417818—Continued**417612 to 417817—Continued**

417806. M8400-A&B. Tepatitlan, Jalisco State. Mixture of "Chicharo" and "Cranberry", locally referred to as "Frijol Chicharo".
417807. M8404-A&B. Tepatitlan, Jalisco State. Mixture of "Chicharo" and "Cranberry", locally referred to as "Frijol Chicharo".
417808. M8406. Tepatitlan, Jalisco State. Local name "Frijol Chicharo".
417809. M8407. Tepatitlan, Jalisco State. Local name "Chicharo".
417810. M8409. Guadalajara, Jalisco State. Local name "Pinto bean".
417811. M8410. Guadalajara, Jalisco State. Local name "Negro".
417812. M8412. Guadalajara, Jalisco State. Local name "Pinto".
417813. M8414. Guadalajara, Jalisco State. Local name "Negro".
417814. M8415. Guadalajara, Jalisco State.
417815. M8417. Mexico, D.F. Mixture, mostly "Vallo".
417816. M8419. Mexico, D.F. Local name "Canario".
417817. M8421. Mexico, D.F. Local name "Pinto".
417818. RHYNCHOSIA sp. Fabaceae.

M7422. Cerro Aguila, Barranca del Muerto, Santa Maria del Valle, Jalisco State.

417819 to 417883. ORYZA SATIVA L. Poaceae.**Rice.**

From Philippines. Seed presented by Director, International Rice Research Institute, Manila. Received June 7, 1977.

417819. B44b-50-2-2-5-1-1.
417820. B805d-Mr-16-8-3.
417821. B1014b-Pn-1-4.
417822. B1293b-Pn-24-2-1.
417823. B2360-6-7-2.
417824. BR51-282-8.
417825. BR52-87-1. From IRYN-M.
417826. BR541b-Pn-7-1-2-3.
417827. BR92-59-2.
417828. BR160-19-2-1.
417829. BR166-2B-13.
417830. BR167-26-2-1.
417831. BR168-2B-23.
417832. BR169-28-2-4.
417833. BW248-1.
417834. CR167-7.
417835. IET2877(BK284).
417836. IET2911(RPW6-17).
417837. IET4509(CR165-14).
417838. IR26.
417839. IR28.
417840. IR29.

417819 to 417883—Continued

- 417841 IR30.
- 417842. IR32.
- 417843. IR34.
- 417844. IR36.
- 417845. IR38.
- 417846. IR40.
- 417847. IR42.
- 417848. IR2058-78-1-3-2-3.
- 417849. IR2070-199-3-6-6.
- 417850. IR2070-423-25-6.
- 417851. IR2071-586-5-6-3.
- 417852. IR2153-26-3-5-6.
- 417853. IR2797-125-2-2-3.
- 417854. IR4215-4-3-1.
- 417855. IR4228-7-1-3.
- 417856. IR4432-103-6-4.
- 417857. IR4829-89-2.
- 417858. IRR1 30306. Ching-feng 2.
- 417859. IRR1 30307. Ching-feng 5.
- 417860. IRR1 30344. Chai-yeh-ching 8.
- 417861. IRR1 30347. Hsiang-ai-tsao 7.
- 417862. IRR1 30348. Hsiang-ai-tsao 9.
- 417863. IRR1 32538. Che chang 9.
- 417864. IRR1 32539. Chen-chien-nuo.
- 417865. IRR1 32540. Ching-feng 7.
- 417866. IRR1 32541. Ching-feng 8.
- 417867. IRR1 32542. Ching-hsi 3.
- 417868. IRR1 32543. Ching-hsi 9.
- 417869. IRR1 32544. Chu-lien-ai.
- 417870. IRR1 32545. Hsiang-ai-tsao 4.
- 417871. IRR1 32546. Hsiang-keng 12.
- 417872. IRR1 32547. Hsiang-keng 13.
- 417873. IRR1 32548. Hsiang-nuo 1.
- 417874. IRR1 32549. Hsin-ching-ai.
- 417875. IRR1 32550. Hsin-tieh-ta.
- 417876. IRR1 32551. Kwang-er-ai 5.
- 417877. IRR1 32552. Nan-tsao 33.
- 417878. IRR1 32553. Pao-Kuang 81.
- 417879. IRR1 32554. Tieh-ku-ai 4.
- 417880. IRR1 32555. Wan-li-hsien.
- 417881. IRR1 32556. Wan-chan.
- 417882. IRR1 32557. Ai-chi-nan.
- 417883. RD 9.

417884. NICOTIANA WIGANDIOIDES C. Koch & Fint Solanaceae.

Tobacco.

From England. Seed presented by J. L. Jinks, Department of Genetics, University of Birmingham, Birmingham. Received June 21, 1977.

Original source unknown.

417885 to 417914.

From India. Seed presented by N. P. Mehta, Cotton Research Station, Athwa Lines, Surat, Gujarat, through Director, National Bureau of Plant Genetic Resources, New Delhi. Received June 7, 1977.

417885 to 417900. GOSSYPIUM ARBOREUM L. Malvaceae.

Ceylon cotton.

- 417885. Sr-236. Baluchistan-7.
- 417886. Sr-238. Virnar.
- 417887. Sr-248. Mudhol-2680.
- 417888. Sr-257. Gaorani-46.
- 417889. Sr-259. Hyderabad L.S.2.
- 417890. Sr-263. Gareo.
- 417891. Sr-272. Deshi-9.
- 417892. Sr-278. Sanguienum minor.
- 417893. Sr-282. Chang fend.
- 417894. Sr-317. Jubillee.
- 417895. Sr-320. Northern-14.
- 417896. Sr-338. Bani-31.
- 417897. Sr-354. Coconada 1 20.
- 417898. Sr-356. Red arboreum (Poona).
- 417899. Sr-359. Nanking Khakhi.
- 417900. Sr-363. 4612/737 Redbolls.

417901 to 417914. GOSSYPIUM HERBACEUM L.

Levant cotton.

- 417901. Sr-2. Surati local.
- 417902. Sr-3. 1 A long boll.
- 417903. Sr-7. Broach local.
- 417904. Sr-16. 1 A cylindrical boll.
- 417905. Sr-27. Goghari Itadi coarse.
- 417906. Sr-28. Gundi Goghari.
- 417907. Sr-82. Vijay (Poona).
- 417908. Sr-134. Pale green leaf.
- 417909. Sr-135. Curled leaf (2087).
- 417910. Sr-139. Virescent yellow.
- 417911. Sr-140. Dudhatal yellow.
- 417912. Sr-148. 2 lock (whorled).
- 417913. Sr-198. Curled & Curly leaf/4797.
- 417914. Sr-234. Baluchistan-C.

417915 to 417920.

From Bulgaria. Seed presented by Todora Ivancheva-Gabrovska, Head, Section of Plant Immunity, Institute of Plant Protection, Sofia. Received June 14, 1977.

417915 to 417920—Continued

417915. *NICOTIANA ALATA* Link & Otto Solanaceae. Tobacco.
1976.
- 417916 and 417917. *NICOTIANA LANGSDORFII* Schrank Tobacco.
417916. 535. 1976.
417917. 535-22. 1974.
417918. *NICOTIANA NOCTIFLORA* Hook. Tobacco.
- 417919 and 417920. *NICOTIANA WIGANDIODES* C. Koch & Fint
417919. N18. 1975.
417920. 1975.
- 417921. RHODODENDRON BRACHYCARPUM** D. Don ex G. Don subsp.
TIGERSTEDTII Nitzelius Ericaceae.
From Korea. Seed collected September 1976 by T. G. Nitzelius, Goteborg, Sweden,
donated by R. H. Goodrich, Vienna, Virginia. Numbered June 28, 1977.
107. Mt. Seonin, Ullung do (Dagelet Island). Elevation 950 m.
Wild.
- 417922 to 417944. AVENA STERILIS** L. Poaceae. **Animated oats.**
From Israel. Seed presented by J. Manistersky, Tel Aviv University, Department of
Botany, Tel Aviv, through Plant Introduction Service, Agricultural Research
Organization, The Volcani Center, Bet-Dagan. Received June 3, 1977.
417922. G-1697. Mount Carmel, Kerem Maharal. Slow stem rust.
417923. TS 351. Plateau of Menashe, Bat Shelomo. Slow stem rust. See also
P.I. 374972 and P.I. 378744.
417924. TS 497. Plateau of Menashe, En Hashofet. Slow stem rust. See also
P.I. 375083.
417925. TS 6158. Judean foothills, Zanoth. Slow stem rust.
417926. TS 7159. Plateau of Menashe, Bat Shelomo. Slow stem rust. See also
P.I. 380125.
417927. TS 8764. Upper Galilee, Zarit. Slow stem rust. See also P.I. 380239.
417928. TS 9476. Central Coastal Plain, Ramat Aviv. Slow stem rust.
417929. TS 9711. Judean foothills, Shallarim. Slow stem rust.
417930. TS 9742. Southern Coastal Plain, Zomet Masmia. Slow stem rust.
417931. TS 10239. Southern Coastal Plain, Hazav. Slow crown rust.
417932. TS 10240. Southern Coastal Plain, Hazav. Slow crown rust.
417933. TS 10306. Judean foothills, Shaar Hagai. Slow crown rust.
417934. TS 10352. Plateau of Memashe, Bat Shelomo. Slow crown rust.
417935. TS 10531. Plateau of Menashe, Bat Shelomo. Slow crown rust.
417936. TS 10583. Judean foothills, Bet Shemesh. Slow stem rust.
417937. TS 10591. Plateau of Menashe, Bat Shelomo. Slow crown rust.
417938. TS 10690. Plateau of Menashe, Elyaqim. Slow crown rust.
417939. TS 10721. Plateau of Menashe, Elyaqim. Slow crown rust.
417940. TS 10820. Valley of Esdraelon, Megiddo. Slow crown rust.

417922 to 417944—Continued

417941. TS 10935. Mount Carmel, Bet Oren. Slow stem ruster.
 417942. TS 11333. Coast of Galilee, Afeq. Slow crown ruster.
 417943. TS 11403. Lower Galilee, Segev. Slow crown ruster.
 417944. TS 11404. Lower Galilee, Segev. Slow crown ruster.

417945 to 418185.

From Papua New Guinea. Cuttings presented by Nick Owet, Department of Primary Industry, Wewak. Received April 29, 1977.

417945. *IMPERATA* sp. Poaceae.

NG 77-72.

417946. *MISCANTHUS* sp. Poaceae.

NG 77-56.

417947. *MISCANTHUS* sp.

NG 77-22.

417948. *MISCANTHUS* sp.

NG 77-40.

417949. *MISCANTHUS* sp.

NG 77-48.

417950. *MISCANTHUS* sp.

NG 77-49.

417951. *MISCANTHUS* sp.

NG 77-180.

417952. *MISCANTHUS* sp.

NG 77-183.

417953. *MISCANTHUS* sp.

NG 77-193.

417954. *MISCANTHUS* sp.

NG 77-194.

417955. *MISCANTHUS* sp.

NG 77-198.

417956. *MISCANTHUS* sp.

NG 77-211.

417957. *MISCANTHUS* sp.

NG 77-226.

417958 to 417966. *SACCHARUM EDULE* Hassk. Poaceae.

417958. NG 77-8.

417963. NG 77-79.

417959. NG 77-9.

417964. NG 77-110.

417960. NG 77-10.

417965. NG 77-111.

417961. NG 77-12.

417966. NG 77-166.

417962. NG 77-36.

417967 to 418079. *SACCHARUM OFFICINARUM* L.

Sugarcane.

417967. NG 77-1.

417969. NG 77-6.

417968. NG 77-2.

417970. NG 77-7.

417945 to 418185—Continued**417967 to 418079—Continued**

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| 417971. NG 77-11. | 418013. NG 77-96. |
| 417972. NG 77-14. | 418014. NG 77-97. |
| 417973. NG 77-15. | 418015. NG 77-98. |
| 417974. NG 77-16. | 418016. NG 77-99. |
| 417975. NG 77-17. | 418017. NG 77-100. |
| 417976. NG 77-19. | 418018. NG 77-101. |
| 417977. NG 77-25. | 418019. NG 77-102. |
| 417978. NG 77-26. | 418020. NG 77-103. |
| 417979. NG 77-27. | 418021. NG 77-104. |
| 417980. NG 77-28. | 418022. NG 77-105. |
| 417981. NG 77-29. | 418023. NG 77-106. |
| 417982. NG 77-30. | 418024. NG 77-109. |
| 417983. NG 77-31. | 418025. NG 77-114. |
| 417984. NG 77-41. | 418026. NG 77-115. |
| 417985. NG 77-42. | 418027. NG 77-116. |
| 417986. NG 77-43. | 418028. NG 77-117. |
| 417987. NG 77-44. | 418029. NG 77-118. |
| 417988. NG 77-45. | 418030. NG 77-119. |
| 417989. NG 77-46. | 418031. NG 77-123. |
| 417990. NG 77-47. | 418032. NG 77-124. |
| 417991. NG 77-50. | 418033. NG 77-125. |
| 417992. NG 77-51. | 418034. NG 77-126. |
| 417993. NG 77-52. | 418035. NG 77-127. |
| 417994. NG 77-57. | 418036. NG 77-128. |
| 417995. NG 77-58. | 418037. NG 77-130. |
| 417996. NG 77-59. | 418038. NG 77-131. |
| 417997. NG 77-60. | 418039. NG 77-134. |
| 417998. NG 77-61. | 418040. NG 77-135. |
| 417999. NG 77-62. | 418041. NG 77-137. |
| 418000. NG 77-63. | 418042. NG 77-139. |
| 418001. NG 77-65. | 418043. NG 77-140. |
| 418002. NG 77-66. | 418044. NG 77-141. |
| 418003. NG 77-67. | 418045. NG 77-142. |
| 418004. NG 77-68. | 418046. NG 77-143. |
| 418005. NG 77-69. | 418047. NG 77-144. |
| 418006. NG 77-70. | 418048. NG 77-151. |
| 418007. NG 77-71. | 418049. NG 77-152. |
| 418008. NG 77-80. | 418050. NG 77-153. |
| 417809. NG 77-81. | 418051. NG 77-154. |
| 418010. NG 77-82. | 418052. NG 77-155. |
| 418011. NG 77-92. | 418053. NG 77-162. |
| 418012. NG 77-93. | 418054. NG 77-163. |

417945 to 418185—Continued**417967 to 418079—Continued**

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| 418055. NG 77-164. | 418068. NG 77-200. |
| 418056. NG 77-165. | 418069. NG 77-205. |
| 418057. NG 77-171. | 418070. NG 77-206. |
| 418058. NG 77-172. | 418071. NG 77-224. |
| 418059. NG 77-173. | 418072. NG 77-228. |
| 418060. NG 77-174. | 418073. NG 77-232. |
| 418061. NG 77-175. | 418074. NG 77-233. |
| 418062. NG 77-176. | 418075. NG 77-234. |
| 418063. NG 77-177. | 418076. NG 77-236. |
| 418064. NG 77-179. | 418077. NG 77-239. |
| 418065. NG 77-182. | 418078. NG 77-241. |
| 418066. NG 77-191. | 418079. NG 77-242. |
| 418067. NG 77-192. | |

418080 to 418160. SACCHARUM ROBUSTUM Brandes & Jesw. ex Grassl.

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|-------------------|--------------------|
| 418080. NG 77-3. | 418108. NG 77-90. |
| 418081. NG 77-4. | 418109. NG 77-91. |
| 418082. NG 77-5. | 418110. NG 77-94. |
| 418083. 77-13. | 418111. NG 77-95. |
| 418084. NG 77-21. | 418112. NG 77-107. |
| 418085. NG 77-24. | 418113. NG 77-108. |
| 418086. NG 77-33. | 418114. NG 77-112. |
| 418087. NG 77-34. | 418115. NG 77-113. |
| 418088. NG 77-35. | 418116. NG 77-120. |
| 418089. NG 77-37. | 418117. NG 77-121. |
| 418090. NG 77-38. | 418118. NG 77-122. |
| 418091. NG 77-39. | 418119. NG 77-129. |
| 418092. NG 77-53. | 418120. NG 77-132. |
| 418093. NG 77-54. | 418121. NG 77-133. |
| 418094. NG 77-55. | 418122. NG 77-136. |
| 418095. NG 77-73. | 418123. NG 77-138. |
| 418096. NG 77-74. | 418124. NG 77-145. |
| 418097. NG 77-75. | 418125. NG 77-146. |
| 418098. NG 77-76. | 418126. NG 77-147. |
| 418099. NG 77-77. | 418127. NG 77-148. |
| 418100. NG 77-78. | 418128. NG 77-156. |
| 418101. NG 77-83. | 418129. NG 77-157. |
| 418102. NG 77-84. | 418130. NG 77-158. |
| 418103. NG 77-85. | 418131. NG 77-159. |
| 418104. NG 77-86. | 418132. NG 77-160. |
| 418105. NG 77-87. | 418133. NG 77-161. |
| 418106. NG 77-88. | 418134. NG 77-167. |
| 418107. NG 77-89. | 418135. NG 77-178. |

417945 to 418185—Continued**418080 to 418160—Continued**

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| 418136. NG 77-181. | 418149. NG 77-216. |
| 418137. NG 77-184. | 418150. NG 77-217. |
| 418138. NG 77-186. | 418151. NG 77-218. |
| 418139. NG 77-188. | 418152. NG 77-219. |
| 418140. NG 77-190. | 418153. NG 77-220. |
| 418141. NG 77-195. | 418154. NG 77-225. |
| 418142. NG 77-196. | 418155. NG 77-230. |
| 418143. NG 77-197. | 418156. NG 77-231. |
| 418144. NG 77-199. | 418157. NG 77-235. |
| 418145. NG 77-202. | 418158. NG 77-237. |
| 418146. NG 77-204. | 418159. NG 77-238. |
| 418147. NG 77-207. | 418160. NG 77-240. |
| 418148. NG 77-210. | |

418161 to 418181. SACCHARUM SPONTANEUM L.

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|--------------------|--------------------|
| 418161. NG 77-149. | 418172. NG 77-209. |
| 418162. NG 77-150. | 418173. NG 77-212. |
| 418163. NG 77-168. | 418174. NG 77-213. |
| 418164. NG 77-169. | 418175. NG 77-214. |
| 418165. NG 77-170. | 418176. NG 77-215. |
| 418166. NG 77-185. | 418177. NG 77-221. |
| 418167. NG 77-187. | 418178. NG 77-222. |
| 418168. NG 77-189. | 418179. NG 77-223. |
| 418169. NG 77-201. | 418180. NG 77-227. |
| 418170. NG 77-203. | 418181. NG 77-229. |
| 418171. NG 77-208. | |

418182. Undetermined.
NG 77-18.

418184. Undetermined.
NG 77-32.

418183. Undetermined.
NG 77-23.

418185. Undetermined.
NG 77-64.

418186. LYCOPERSICON ESCULENTUM Mil. Solanaceae. Tomato.

From United States. Plants presented by C. F. Reed, Baltimore, Maryland. Numbered July 21, 1977.

Sugar Grove, Smyth County, Virginia. Plants of medium vigor, flowers usually with 10 segments. Fruits flattened, firm, greenish yellow at maturity; flesh thick, green; jell-pale green. Continuously grown on farm for many years.

418187 to 418203. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Union of Soviet Socialist Republics. Seed presented by D. D. Brezhnev, N. I.

Vavilov Institute of Plant Industry, Leningrad. Received July 5, 1977.

418187. VIR 15197. Moskovskaja 2453. Winter type.

418188. VIR 15199. Moskovakaja 2470. Winter type.

418189. VIR 29911. Grekum 433. Kazakh S.S.R. Winter type.

418187 to 418203—Continued

418190. VIR 35830. Towin. Originally from United States. Winter type.
 418191. VIR 36520. Lutescens 81. Tambov Region. Winter type.
 418192. VIR 38284. Bg-89. Winter type.
 418193. VIR 40293. Milturum 513. Winter type.
 418194. VIR 41446. Kisinevskaja 4. Moldavia. Winter type.
 418195. VIR 45061. PPG-373. Moscow. Winter type.
 418196. VIR 45173. Bezencuuskaja 108. Winter type.
 418197. VIR 45699. Weigue. Winter type.
 418198. VIR 46006. Krupnokolosaja. Ukrainian S.S.R. Winter type.
 418199. VIR 46106. Nadzenija. Originally from Algeria. Winter type.
 418200. VIR 48101. Krasnodarskaja 46. Winter type.
 418201. VIR 48692. Nemcinovskaja 154. Moscow. Winter type.
 418202. VIR 48714. Eritrospermum. Ukrainian S.S.R. Winter type.
 418203. VIR 49909. Lutescens 26. Saratov. Winter type.

418204. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Japan. Seed presented July 1974 by National Institute of Agricultural Sciences, National Seed Storage Laboratory, Kanagawa-ken, Hiratsuka, and increased at Urbana, Illinois, and Stoneville, Mississippi. The symbol "H" refers to Hiratsuka. Numbered June 10, 1977.

H-040013. Akuden Shirazu.

418205 to 418216. ORYZA SATIVA L. Poaceae. Rice.

From Sierre Leone. Seed collected by B. L. Pollack, Rutgers University, New Brunswick, New Jersey. Received July 15, 1977.

418205. Chen Chu Ai. Maturity 105 days. Susceptible to blast. Port Loko District.
 418206. Gbeingbein (Bakula). Native Mende upland. Maturity 105 days. Fayama Town, Wunde Chiefdom Bo District, Southern Providence.
 418207. Pa Boup.
 418208. Pa Fiele.
 418209. Pa Gbonko.
 418210. Pa Kebile.
 418211. Pa Mabint. Maturity 130 days.
 418212. Pa Ndugbo. Maturity 150 days.
 418213. Pa Li-tuma.
 418214. Pa Runk. Maturity 180 days. Koya District.
 418215. Pa Soko.
 418216. Pa Yaka. Perbang. Maturity 130 days.

418217 to 418220. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From France. Seed presented by P. Gayraud, Amelioration Fourragere, Provins. Received June 7, 1977.

418217. 'Euver'. Early maturing, *Verticillium* wilt resistant.
 418218. 'Lutece'. Very early maturing, *Verticillium* wilt resistant.
 418219. 'Prima'. Early maturing, *Verticillium* wilt resistant.
 418220. 'Verneuil'. Early maturing, *Verticillium* wilt resistant.

418221 to 418223. ORYZA SATIVA L. Poaceae. Rice.

From Japan. Seed presented by Yasumaru Kato, Director, Liaison and Coordination Division, Ministry of Agriculture and Forestry, Kasumigaseki, Chiyodaku, Tokyo. Received July 20, 1977.

418221. Kiyoky Mochi. 090716.

418222. Kurenai Mochi. 090727.

418223. Tsukushibare. 090710.

418224. ORYZA SATIVA L. Poaceae. Rice.

From South Africa. Seed presented by Plant Introduction Officer, Division of Plant and Seed Control, Department of Agricultural Technical Services, Pretoria. Received July 21, 1977.

Sun Bonnet. M/66/338. Originally received in 1966 from Swaziland.

418225 and 418226. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Argentina. Seed presented by J.R. Pietrarelli, Seccion Mani, Instituto Nacional de Tecnologia Agropecuaria, Estacion Experimental Agropecuaria, Manfredi. Received June 20, 1977.

418225. 'Colorado de Cordoba'. Local population.

418226. '6'Colorado Manfredi'.

418227 to 418287.

From Okinawa. Scions collected by W. L. Ackerman, United States National Arboretum, Washington, D.C. Numbered August 3, 1977.

418227 and 418228. ARINANDRA RYUKYUENSIS Masam. Theaceae.

Collected March 10, 1977. Above road on very steep cliff, above river northeast of Forest Experiment Station.

418227. 48. Plant 5.5 m tall. Partial shade. Lower side of road toward river, on top of bank.

418228. 49. Vigorous plant, 1.8 m tall. Full sun.

418229 to 418231. CAMELLIA JAPONICA L. Theaceae. Common camellia.

Collected March 9, 1977. Northern Okinawa Forestry Preserve, northeast of Okinawa Experiment Forestry Station, Kunigami-son.

418229. 14. Growing in depression along trail. Stem 10 cm diameter at breast height. Wild.

418230. 19. Growing on steep, wooded slope. Plant 9 m tall, 12.7 cm diameter at breast height. Flowers bright red, single, trumpet shaped, 6.3 cm across.

418231. 27. Growing on side trail near ravine. Flowers bright red, single, trumpet shaped, 7 cm across.

418232 to 418240. CAMELLIA LUTCHENSIS T. Ito

Collected March 8, 1977. Hillside, north of Meigiyama Botanical Garden.

418232. 1. Tree upright, small leaved. Flowers white, fragrant.

Collected March 9, 1977. Northern Okinawa Forestry Preserve.

418233. 6. Small tree on hillside under heavy shade. Flowers pinkish white, mild fragrance.

418234. 7. Large tree on steep hillside, 7 cm diameter at breast height. Flowers white, fragrant.

418227 to 418287—Continued**418232 to 418240—Continued**

418235. 10. Very large, upright tree on hillside, 12 cm diameter at breast height, small leaved. Flowering past.
418236. 15. Tree on steep hillside, 13 m tall 18 cm diameter at breast height. Flowers pinkish white, fragrant.
418237. 16. Large, upright tree at top of ridge in heavily wooded area. Flowers white, fragrant.
418238. 17. Tree on heavily wooded slope, 7 m tall. Flowers off-white, mild fragrance.
418239. 22. Tree on ridge summit in heavily wooded area. Elevation 600 m. Flowering past.
Collected March 10, 1977. Pacific coast side of northern Okinawa.
418240. 61. Spreading plant along streambank. Flowering long past. Setting heavy crop of seed capsules.
- 418241 to 418243. *CAMELLIA SASANQUA* Thunb. *Sasanqua camellia*.
Collected March 8, 1977. Meigiyama Botanical Garden.
418241. 4. Growing on hillside. Upright shrub, 2 m tall. Small leaved. Wild.
Collected March 10, 1977. Along roadside, above river east of Northern Okinawa Experimental Forestry Station, Kunigami-son.
418242. 41. Wild.
418243. 50. Growing on cliffside above river falls and rapids. Shrub, very tall and narrow. Long, narrow leaved. Unique.
- 418244 to 418247. *CLEYERYA JAPONICA* Thunb. *Theaceae*.
Collected March 8, 1977. Hillside, north end of Meigiyama Botanical Garden, central Okinawa.
418244. 3. 'Saka-ki'. Upright shrub growing in shade in heavy clay soil.
Collected March 9, 1977. Slope of ravine in wildlife preserve.
418245. 28. Plant 3 m high, 3.7 cm diameter at breast height.
Collected March 10, 1977. Pacific side of northern Okinawa near large dam site.
418246. 52. Shrubby, upright plant in full sun.
418247. 55. Bottom of ravine near dam site. Plant slender, 1.8 m tall, spreading branchlets. Growing in semishade.
- 418248 to 418250. *EURYA EMARGINATA* (Thunb.) Makino *Theaceae*.
Collected March 9, 1977. Northern Okinawa Forestry Preserve (near Yoma village).
418248. 23. Summit of mountain range. Erect, dense shrub with very dark green obovate to oblong leaves.
418249. 25. Summit of mountain range. Spreading shrub, close to P.I. 418248.
Collected March 10, 1977. High on riverbank in full sun.
418250. 47. Fan-shaped shrub (appears to be a dwarf form), 0.61 m tall. Trunk 3.7 cm in diameter.
- 418251 to 418253. *EURYA EMARGINATA* (Thunb.) Makino cv. *MINUTUSSIMA*
Collected March 9, 1977. Heavily wooded valley slope below high ridge.

418227 to 418287—Continued**418251 to 418253—Continued**

418251. 20. Plant in heavy shade. Leaves short, narrow elliptical.
At summit of range near lookout tower.
418252. 21. Elevation 460 m. Dense shrub to small tree, 3.6 m tall, 10 cm diameter at breast height.
On side of cliff, near dam site on Pacific coast of northern Okinawa.
418253. 31. Stunted or dwarf form. Leaves very small.
- 418254 and 418255.** *EURYA JAPONICA* Thunb.
Collected March 10, 1977. Top of ridge, bank along river in partial shade.
418254. 45. Low spreading, fine branched.
Up river 18 m from P.I. 418254.
418255. 46. Large, upright female tree.
- 418256.** *EURYA OSIMENSIS* Masam.
Collected March 7, 1977. Steep hillside in mountains. Elevation 400 m.
5. Dense shrub about 2.4 m tall, slender branches.
- 418257 and 418258.** *EURYA OSIMENSIS* var. *KANEHIRAE* (Hatusima) Hatusima
Collected March 9, 1977. High hillside, wooded area, heavy shade. Elevation 400 m.
418257. 9. Understory plant, 3.6 m tall, 3.7 cm diameter at breast height.
418258. 29. Tree, upright habit, very open growth, about 3.6 m tall.
- 418259 and 418260.** *EURYA ZIGZAG* Masam.
Collected March 10, 1977. Bottom of deep ravine, near dam site on Pacific coast of Northern Okinawa.
418259. 51. Typical zigzag growth pattern of young branches. Becoming rare in Okinawa.
418260. 53. About 46 m from P.I. 418259. Larger, broader leaves.
- 418261 and 418262.** *ITEA OLDHAMII* Schneid. Saxifragaceae.
Collected March 10, 1977. Bottom of a ravine on Pacific coast of northern Okinawa.
418261. 53. Hollylike leaves, broad, toothed, and alternately arranged.
418262. 54. English hollylike leaves, alternate, very dark green and shiny.
- 418263 and 418264.** *PODOCARPUS MACROPHYLLA* (Thunb.) Don Podocarpaceae.
Yew podocarpus.
Collected March 10, 1977. Northern Okinawa Experiment Forestry Station, Kunigumi-son.
418263. 40. Alongside roadbank above river, east of Station. Very narrow, upright form.
418264. 42. Top of ridge above bridge, northeast of Station. Broad, spreading form.
- 418265 to 418273.** *RHODODENDRON SCABRUM* Don Ericaceae.
Collected March 8, 1977. Border of wooded area, north side of Meigiyama Botanical Garden, central Okinawa.

418227 to 418287—Continued**418265 to 418273—Continued**

418265. 2. Flowers bright red, 9 cm across.

Collected March 9, 1977. Along entrance road to Forest Experiment Station, northern Okinawa

418266. 30. Spreading plant. Flowers bright pink.

Collected March 10, 1977. Garden plot at Forest Experiment Station, Ryukan University.

418267. 32. Plant upright. Flowers light red, trumpet shaped.

418268. 33. Plant spreading. Flowers deep brick red, large.

418269. 34. Flowers brick red, 9 cm across, broad petals.

418270. 35. Plant upright. Flowers deep brick red, 6.2 cm across.

418271. 36. Plant upright. Flowers clear bright brick red, 10 cm across, broad petals.

418272. 37. Plant spreading. Foliage dark green, late blooming.

Along woods at edge of Forest Experiment Station.

418273. 38. Late blooming.

418274 to 418279. RHODODENDRON SIMSII Planch.

Nursery area on Pacific coast of northern Okinawa.

418274. 56. Moderately spreading plant, 1.8 m tall.

418275. 57. Plant upright, vase shaped.

418276. 58. Very spreading plant.

418277. 59. Moderately upright plant.

418278. 60. Compact, bushy plant.

Collected March 11, 1977. Backyard nursery planting, 8 km east of Nago.

418279. 62. Flowers rich pink red.

418280 to 418282. RHODODENDRON TASHIROI Maxim.

Wooded hillside, northeast of Forestry Experiment Station.

418280. 12. Straggly plant growing in heavy shade. Elevation 420 m.

Hillside well above P.I. 418280.

418281. 13. Steep slope. Elevation 450 m.

Steep slope in Okinawa Forestry Preserve.

418282. 18. Flowers lavender, heavy dark red blotch, trumpet shaped, 3 cm across. Ten stamens, style longer than filaments.

418283 to 418285. SCHIMA WALLICHII (DC.) Korth. subsp. LIUKIUNENSIS (Nakai) Bloemb. Theaceae.

Collected March 10, 1977. Along riverbank above Forestry Experiment Station.

418283. 39. Understory tree, 2.4 m tall, 5 cm diameter at breast height.

Along roadside above river, northeast of Forestry Experiment Station.

418284. 43. Understory tree, young sapling, 2.4 m tall. Riverbank up valley, northeast of Forestry Experiment Station.

418285. 44. Narrow, upright tree, 3.6 m tall, in full sun.

418286. TERNSTROEMIA GYMNANTHERA (Wight & Arn.) Sprague Theaceae.

Collected March 9, 1977. Wildlife Preserve, along path up from creek on steep slope.

418227 to 418287—Continued**418286—Continued**

26. Small tree, about 3 m tall.

418287. *TUTCHERIA VIRGATA* (Koidz.) Nakai Theaceae.

Collected March 9, 1977. Very high forest area in dense woods.

8. Plant 3.6 m tall. Flowers in April and May.

418288 to 418563.

From Japan. Plant material collected by W. L. Ackerman, United States National Arboretum, Washington, D.C. Numbered August 3, 1977.

418288 to 418290. *AUCUBA JAPONICA* Thunb. Cornaceae. **Japanese aucuba.**

Collected April 4, 1977. Hida Sunmyaku Mountains, northeast of Toyama.

418288. 183. Lush, green plant growing in snowbank at lower elevations in foothills. Fruit oblong, rich red. Seed.

418289. 189. Seed.

Collected April 12, 1977. Upper slope of snow-covered mountain, north of Kirin-zon, Niigata Prefecture.

418290. 260. Small-leaved form growing under adverse conditions. Reportedly a subspecies or variant form of *A. japonica*. Seed.

418291 and 418292. *CAMELLIA BREVISTYLA* (Hay.) Cohen-Stuart Theaceae.

Collected April 5, 1977. Mr. Makino, camellia grower, east of Toyama.

418291. 211. Finely branched. Leaves pointed, very small. Scions.

Collected April 16, 1977. Dr. Naotoshi Hakoda, Faculty of Agriculture, Tokyo University, Fuchu-City, Tokyo.

418292. 309. Branches pendulous. Leaves pointed, very small. Scions.

418293. *CAMELLIA FURFURACEA* (Merr.) Cohen-Stuart

Collected April 17, 1977. Dr. Shubo Kirino, Kodomino-Kuni Park, south of Tokyo.

332. Branches stout. Leaves Broad elliptic or oblong elliptic, to 12.7 cm long and 5 cm wide. Flowers white, single, 8 petals, 5 cm across, fragrant. Plant.

418294 to 418394. *CAMELLIA JAPONICA* L. **Common camellia.**

Collected March 13, 1977. Dazaifu-Machi, near Rukuoka, from backyard garden near Kushita Temple.

418294. 64. Flowers semidouble, clear pink with white wavy margins, 11.5 cm across. Used in bonsai. Cultivated. Scions.

418295. 65. 'Kanko'. 'Higo' type. Branches drooping. Flowers deep bright red, 10 cm across. Highly valued for use in bonsai. Scions.

418296. 72. 'Oniji'. Flowers large, red-variegated ('Betty Sheffield' type). Triploid. Scions.

418297. 73. 'Akashigata'. Flowers bright red, semidouble with some rabbit ears, 11.5 cm across. Tetraploid. Scions.

Collected March 15, 1977. Garden of camellia nurseryman, Mr. Hifa Satomi, Kurume.

418297. 73. 'Akashigata'. Flowers bright red, semidouble with some rabbit ears, 11.5 cm across. Tetraploid. Scions.

Collected March 15, 1977. Garden of camellia nurseryman, Mr. Hifa Satomi, Kurume.

418288 to 418563—Continued**418294 to 418394—Continued**

418298. 74. 'Hiragiba-tsubaki'. Osmanthus-like leaf, long and sawtoothed. Flowers pink, bell shaped, 6.3 cm across. Scions.

418299. 76. 'Seiobo'. Flowers large, two-tone pink, bell shaped, 9 cm across. Scions.

418300. 77. 'Hoshin-zakura'. Scions.

418301. 79. 'Taiyo'. Leaf variegated in center. Flowers red, single, 7.6 cm across. Scions.

418302. 82. 'Sakazukiba-tsubaki'. Leaves cuplike. Flowers red, single. Scions.

418303. 83. 'Shiro-kingyo'. Fishtail-shaped leaves. Flowers white, single. Scions.

419304. 84. 'Iwaneshibori'. Flowers large, white with red blotches, semi-double, 11.4 cm across. Scions.

418305. 85. 'Nanbanko'. Flowers very dark red, anemone type. Similar to 'Kuro-tsubaki' in color. Scions

418306. 86. 'Kurume Genji'. White edged, pink striped, double, to 10 cm across. Scions.

419307. 87. 'Aka-kingyo'. Fishtail-shaped leaves. Flowers small, single, bell shaped, dark pink, 5 cm across. Scions.

418308. 88. 'Jitsugetsusei'. 'Higo' type. Flowers single, red with white blotched variegation. Scions.

Collected March 17, 1977. Muko-Ujina National Park, southwest of Hiroshima City. Native plantings of camellias in their natural state.

418309. 89. Wild. Scions.

418310. 90. Single, stamens in tight tubular arrangement, dark red, 6.3 cm across. Wild. Scions.

418311. 91. Single, stamens in tight tubular arrangement, dark red, 6.3 cm across. Wild. Scions.

Collected March 18, 1977. Mr. Rikiso Nakashige, Nakashige Unso Company, Kure City.

418312. 110. Thick, cherry-leaf form. Medium pink, roselike, 6 cm across, high in center. Scions.

418313. 112. Brick red, anemone type, single, outer ring of petals with a tight ball of petaloids. Scions.

418314. 117. Very large, semidouble with 18 large petals, deep pink, 12.7 cm across. Scions.

Collected March 20, 1977. Garden of Mr. Yoshiaki Andoh, Kobe.

418315. 118. 'Karyobin'. Blotched red and white, single, to 10 cm across. Scions.

418316. 119. 'Aya Nisike'. Single, variegated and blotched medium pink with some white, 10 cm across, fragrant. Scions.

418317. 120. 'Iso-No-Kage'. (Synonym 'Kyo-No-Homare'.) Semidouble, 9 petals, to 10 cm across. Slight bell shape, unusual dark red with white border. Scions.

418288 to 418563—Continued**418294 to 418394—Continued**

418318. 123. 'Tarokaja'. (Synonym 'Uraku'.) Old Japanese variety. Pink, single, bell shaped, 5 cm across. Slight fragrance. Scions.
418319. 124. 'Koun' (fragrant cloud). Pale pink, single, bell shaped, to 11 cm across. Fragrant. Scions.
418320. 125. 'Nioi-Fubuki' (fragrant mountains). 'Higo' type. White with striping. Reportedly the most fragrant of Japanese camellias. Scions.
418321. 126. 'Hagoromo'. (Synonym 'Kumaga' in Kyoto, 'Komyo' in Tokyo.) Bright red with heavy petal texture, 10 cm across. Reportedly an excellent seed setter. Scions.

Collected March 23, 1977. Dr. K. Wada, Hakoneya Nurseries, Yokohama.

418322. 127. 'Sakaba'. Leaves thick, saucer shaped. Flower buds tender. Scions.
418323. 133. Leaves smaller than usual. Tight, red, pink, and white petaloids surrounded by a single row of bright red petals, 5 cm across. Scions.
418324. 134. Tight, red and pink petaloids, surrounded by a row of bright red petals, 6.3 cm across. Scions.

Mr. Shigekazu Hiruno, Hiruno Nohen, Yokohama.

418325. 135. 'Mijako-dori'. White, double, yellow at base. Scions.
418326. 136. 'Kujaka'. Red with linear petals, broadest in the middle. Scions.

Collected March 27, 1977. Mr. Watara Kimura, Oshima Botanical Garden, Oshima Island.

418327. 137. 'Akatsuki-no-kaori'. 'Higo' type, orange filaments. Scions.
418328. 138. 'Aga-no-Sato'. Red, narrow petals, semidouble. Scions.
418329. 139. 'Asahi-odemari'. Apricot pink, semidouble to rose form. Scions.
418330. 140. 'Beni-arashi'. Red, narrow petals, semidouble. Scions.
418331. 141. 'Beni-karako'. ('Jikko'). Miniature, red, anemone type. Scions.
418332. 142. 'Kifukurin-beni-karoka'. Leaves yellow margined. Deep red, single. Scions.
418333. 143. 'Soshi-arai'. Deep red, lines and spots of white. Scions.
418334. 144. 'Tsuki-mi-gurama'. 'Higo' type. Light pink, fine dots at margins. Scions.
418335. 145. 'Konron-koku'. Waxy dark red, formal double, few stamens. Scions.
418336. 146. 'Nioi-Fubuki'. 'Higo' type. White, red blotches and stripes, fragrant. Scions.
418337. 147. 'Fuku-zutsumi'. Kuro (reddish black) with white blotches, 6.3 cm across. Scions.
418338. 149. 'Tamonokoshi'. Dense, white, formal double, gives appearance of unopened rose. Scions.
418339. 150. 'Brushfields Yellow'. Anemone form, white outer petals, deep cream-yellow petaloids. Reportedly from Australia or New Zealand. Scions.
- Collected March 27, 1977. Oshima Island.
418340. 151. Large flowered. Wild. Scions.

418288 to 418563—Continued**418294 to 418394—Continued**

418341. 152. 'Takino Hira Unru'. Zigzag branches with wide leaves. Discovered by K. Naito on Oshima Island in 1967. Scions.
418342. 153. 'Mihara Unru'. Zigzag branches. Originally found near crater on Mt. Mihara (dragon) by K. Naito, Oshima Island. Scions.
418343. 154. Growing near crater on Mt. Mihara. Bright red, single, bell shaped, 5 cm across. Scions.
418344. 155. Pink, single, rather small. Wild. Scions.
418345. 156. Farmer's yard, southern end of Oshima Island. Gracefully curved zigzag branches. Waxy leaves. Wild. Scions.
418346. 157. Large tree on high slopes of Mt. Mihara. Medium pink, semidouble, 7.6 cm across, slight fragrance. Wild. Scions.
418347. 158. Leaves somewhat narrow. Dark red, small, slight fragrance. Wild. Scions.
418348. 159. Large tree in farmer's yard. Very angular zigzag form. Medium pink, single, 6.3 cm across, slightly fragrant. Scions.
418349. 160. Mt. Mihara. Red, large single. Wild. Scions.
418350. 161. Mt. Mihara. Pale pink, cup shaped, 6.3 cm across, slightly fragrant. Late blooming. Wild. Scions.
418351. 162. Along road into farmer's land, southern Oshima. Zigzag branches with narrow leaves. Wild. Scions.
- Collected March 28, 1977. Byoto Botanical Garden, Kyoto.
418352. 167. 'Kokurya' (black dragon). Kuro (reddish black), semidouble to anemone form, 7.6 cm across. Scions.
418353. 169. 'Nishikimino'. Pink, white-edged petaloids and petals. Dense anemone form, 6 cm across. Scions.
418354. 170. 'Eiruku'. Kuro (reddish-black), single, 7.6 cm across. Scions.
418355. 172. 'Hikaru Genji'. Rich red, semidouble, 8.8 cm across. Scions.
418356. 173. 'Gakko' (moonlight). Small, tight anemone form, single row of reddish-black petals, creamy white petaloids. Scions.
418357. 174. 'Saifu' (money purse). Miniature form, single row of variegated red and white outer petals. Center tight like a rose bud. Scions.
- Collected April 5, 1977. Mr. Makino's garden in suburbs of Toyama, Toyama Prefecture.
418358. 206. "Little Black Bud". Lavender-purple, single, 6.3 cm across. Scions.
418359. 207. "Yellow China Camellia". Peach color, single, pale yellow cast near base of petals, 7.6 cm across. Very fragrant. Scions.
418360. 208. "Cow to See Moon". Pale creamy white, trumpet shaped single, 6.3 cm across. Scions.
- Collected April 11, 1977. Mr. Ooka's Camellia Nursery, Yasuda-mach (near Niigata).
418361. 229. 'Seiobo'. Large, pink, single, bell type. Blooms from August to late May. Scions.

418288 to 418563—Continued**418294 to 418394—Continued**

Collected April 13, 1977. Ishiguro Nursery, Ono, Niigata Prefecture.

418362. 266. Fishtail-shaped leaves. Red, double, petals curve inward, 8.8 cm across Scions.

Kiguihi Nursery, Koai, Niigata Prefecture.

418363. 275. 'Nioi-fubuki'. 'Higo' type. White, pink, red blotching, to 12.7 cm across, fragrant. Scions.

418364. 277. 'Akatsukino-Kaori'. 'Higo' type to semidouble. Medium, pink, very fragrant. Scions.

Collected April 16, 1977. Dr. N. Hakoda, Tokyo University.

418365. 302. 'Konron-koku'. Very dark red, formal double, few stamens. Flower buds bull nose at first, but eventually open. Scions.

418366. 303. 'Kifukurin-beni-karako'. Deep red, single. Variegated leaves with wide light yellow-green outer margins, darker center. Margin coarsely toothed. Scions.

418367. 304. 'Kokuryo'. Dark red, semidouble, anemone center. Scions.

418368. 305. 'Bokuhan'. Medium to narrow leaf. Anemone type. Outer petals deep red, petaloids white, small. Scions.

418369. 306. 'Some-kawa'. Pink, narrowly and densely striped and spotted with dark red. Completely double. Scions.

418370. 307. 'Akatsuki-no-kaori'. 'Higo' type. Orange filaments. Scions.

418371. 308. 'Shikishima'. Medium to narrow leaves. Rose, double. Scions.

418372. 312. 'Soshi-Arai'. Leaves coarsely toothed, slightly wavy. Deep red, lines and dots of white. Scions.

418373. 313. 'Shiro karako'. Miniature, white, anemone form, cream center. Scions.

418374. 315. 'Chajuraki'. 'Higo' type. Pale pink, late flowering Scions.

418375. 316. 'Hakuhan-kujaku'. (peacock). Weeping growth habit. Leaves long and narrow, curving downward. Single, semidouble, long flower petals, red and white variegated (blotched). Scions.

418376. 317. 'Beni-darako'. Miniature, red, anemone form. Scions.

418377. 318. 'Miyako-dori'. Leaves long and narrow. White, Yellow at base of petals. Double. Scions.

Collected April 16, 1977. Toshio Minagawa Camellia Nursery, Angyo-Ryoke, Kawaguchi City, Saitama Prefecture.

418378. 319. 'Miyako-dori'. White, pale yellow at base of petals. Double, petals narrow. Scions.

418379. 320. 'Haruno-utena'. Scions.

418380. 322. 'Shirobana-kingyo'. Fishtail-shaped leaves. White, single. Scions.

418381. 323. 'Haku-ryu' (white dragon). White, creamy petaloids. Scions.

418382. 324. 'Haru-no-utena'. White, red and pink stripes, semidouble, magnolia form, 7.6 cm across. Scions.

418383. 325. Long, narrow, fishtail-shaped leaves. Scions.

418288 to 418563—Continued**418294 to 418394—Continued**

418384. 326. 'Nishiki-gasane'. Leaves undulate margined. Red-pink blotched on white, semidouble, 7.6 cm across. Scions.

418385. 327. Leaves roundish. Rose form, double, deep purple cast. Scions.

Collected April 17, 1977. S. Kirino Camellia Nursery, Kodomo-no-kuni (near Kamakura, below Tokyo).

418386. 328. Medium-narrow leaf. Large seed pod. Scions.

418387. 329. Thick, leatherlike twisted leaves. Possible polyploid. Scions.

418388. 330. 'Tsuzure-Nishiki'. Weeping branches. Christmas red, white blotches. Bull nose but eventually opens. Double. Scions.

418389. 331. 'Misu-no-uchi' (in the bamboo shade). White, semidouble, bell shaped, 11.4 cm across. Scions.

Saburo Yokoyama's garden, Kurihara, Zama-shi, Kanagawa-ken.

418390. 336. 'Godai-syu'. Leaves medium size, round. Dark red ('Kuro' type), peony form, 7.6 cm across Scions.

418391. 337. 'Odaira kaori'. Speckled dark pink on light pink, semidouble. Petals have curved edge. Slightly fragrant. Scions.

418392. 338. 'Peacock'. Weeping branches. Long narrow leaf. Double red, many white spots, bell shaped. Long, narrow petals. Scions.

418393. 339. 'Yuki-Hagawari'. Thick stems. Large, broad, undulate-margined leaves. Single, medium to dark red flowers, 5 cm across, slightly fragrant. Scions.

Collected April 19, 1977. Buddha Shrine, Kamakura.

418394. 340. Collected from a very old tree. Very pale pink, semidouble, 7.6 cm across. Scions.

418395. *CAMELLIA PARVIFLORA* Merr. & Chun ex Sealy

Collected April 16, 1977. Dr. Naotoshi Hakoda, Faculty of Agriculture, Tokyo University.

301. Branches very slender, leaves narrow elliptic to lanceolate. Flowers white, small, 6 petals. Scions.

418396. *CAMELLIA RETICULATA* Lindl.

Collected March 20, 1977. Mr. Yoshiaki Andoh, Kobe City.

121. 'Chittagong'. Leaves uniquely variegated. Scions.

418397 to 418476. *CAMELLIA RUSTICANA* Honda

Collected April 3, 1977. Toyama University Field Station, Toyama.

418397. 176. Semidouble to rose-type flower, peach with some yellowish orange at base of petals, 6.3 cm across. Scions.

418398. 177. Flowers pink red, single. Wild. Scions.

418399. 178. Possible natural hybrid with *C. japonica*. Flowers pink red, semidouble, 5 cm across. Petaloids in rabbit-ear fashion. Scions.

Along roadside in foothills near Dr. Kenzo Iriyama's home, Yamadamura, Toyama Prefecture.

418288 to 418563—Continued**418397 to 418476—Continued**

418400. 179. Possible natural hybrid with *C. japonica*. Flowers pink red, anemone form, tight center of petaloids, about 2.5 cm across. Scions.

Collected April 4, 1977. Hidu Sanmyaku Mountains, northeast of Toyama, Toyama Prefecture.

418401. 181. Steep hillside in foothills. Wild. Scions.

418402. 182. Wild. Scions.

418403. 184. Growing on hillside. Elevation 600 m. Pink-red flowers, single. Wild. Scions.

418404. 185. Growing on hillside. Elevation 600 m. Wild. Scions.

418405. 187. Growing on steep hillside. Elevation 1,200 m. Early. Flowering when most others hardly show color. Flowers dark red, single, 6.3 cm across. Wild. Scions.

418406. 188. Growing under very adverse conditions, bent flat by heavy snow. Flower buds very dark red, single. Wild. Scions.

Collected April 5, 1977. Garden of Mr. Gyoo Iwazumi, Kuroda Yatuomachi, Neigum Toyamaken, Toyama Prefecture.

418407. 191. 'Iwazumi'. Very pale pink to almost white. Scions.

418408. 192. Flowers bright red, loose anemone form, 10 outer petals, 12 petaloids, 8.8 cm across. Scions.

418409. 193. Very tight rose form, double, bell shaped, heavy texture, red and white variegated petals, yellow anthers intermixed, 6.3 cm across, 5 cm deep. Scions.

418410. 194. 'Yukiakadi'. Flowers white, single to semidouble, bell shaped, 6.3 cm across.

418411. 195. 'Chasen-Kagura'. Flowers red-pink, semidouble with rabbit ears, 500 petaloids. Scions.

418412. 196. Flowers pale peach pink, single, 6.3 cm across. Scions.

418413. 197. Flowers pink red, single 7.6 cm across. Filaments pale yellow. Scions.

418414. 198. 'Yuki-mi-ru'. White, bell shaped, 5-petaled, single, 7.6 cm across. Scions.

418415. 199. 'Joryu-ji'. Flowers white, semidouble with rabbit ears. Scions.

418416. 200. 'Sekka' (show flower). White, double, notched petals, 6.3 cm across. Scions.

418417. 201. 'Sumi Kawa'. Flowers candy striped, speckled white with red, double, 7.6 cm across. Scions.

418418. 202. Flowers brilliant red, single, cupped flower, 5 cm across. Scions

418419. 204. 'Mure-jishi'. Flowers bright red, anemone form, 8.8 cm across. Some stamens scattered through petaloids. Scions.

418420. 205. Small leaves. Flowers small, bright red, formal double, 3.7 cm across. Scions.

Garden of Mr. Makino, suburbs of Toyama.

418288 to 418563—Continued**418397 to 418476—Continued**

418421. 209. Variegated leaves. Flowers red, single. Attractive. Scions.

418422. 212. 'Nakabayushi'. Scions.

Temple Gardens, Takebe, Inami-mate, Toyama Prefecture.

418423. 214. Flowers bright red, single, bell shaped, 8.8 cm across. Scions.

418424. 215. White-flowered snow camellia. Scions.

418425. 216. Medium neon pink, single, 5 cm across. Scions.

Collected April 6, 1977. Half-hour's drive east of Yamada-mura, Toyama Prefecture.

418426. 217. White-flowered. Late flowering (only in bud, may be semidouble). Wild. Scions.

High on hillside, above river east of Yamada-mura, Toyama Prefecture.

418427. 218. Dark red, single. Scions.

Yard of Headmaster, Middle School, Yamada-mura, Toyama Prefecture.

418428. 219. Flowers shell pink, formal double, 7.6 cm across, sexual parts well hidden. Scions.

Farmer's yard on high hillside above river, in full exposure to elements.

418429. 220. Very late blooming. Scions.

Collected April 8, 1977. Mountains above Shiratori, near Hackiman-cho, Gifu Prefecture.

418430. 224. Flowers red. Excellent condition despite heavy snow damage in area. Scions.

418431. 225. Early flowering. Bright red, single 6.3 cm across. Good condition despite severe exposure.

Collected April 11, 1977. Mr. Ooka's Camellia Nursery, Yasud-mach (near Niigata).

418432. 230. 'Waltz'. Flowers dark pink with light shell-pink center, rose form, double, to 15 cm across, 38 petals, 9 petaloids (named by Dr. Hagiya, Niigata University). Scions.

418433. 231. 'Harusame' (rain in spring). Pink, red blotches on petaloids, semidouble, 12.7 cm across. Scions.

418434. 232. 'Kaisetzu' (firefly snow). Flowers single, white, 6 cm across. Very pale pink with some green in petals when grown in shade. Scions.

418435. 233. 'Seiryu' (clean stream). Flowers single, white, bell shaped, 7.6 cm across, fragrant. Scions.

418436. 234. 'Ryugo'. Reportedly 120 years old. Dwarf, .91 m tall. Leaves small, saw-toothed. Flowers single, orange red, 7.6 cm across. Called "Rip Van Winkle". Scions.

From mountainous area near Kirinzan, Niigata Prefecture.

418437. 235. Plant in good condition despite exposure. Flowers red, single. Wild. Scions.

Cemetery below Kirinzan.

418288 to 418563—Continued**418397 to 418476—Continued**

418438. 236. Flowers pink. Wild. Scions.

418439. 237. 'Aganosato'. Flowers bright red, single, late flowering. Scions.

Village yard below Kirinzan.

418440. 238. 'Arajishi'. Reportedly forerunner of 'Arajishi' grown in United States. Leaves curled at edges. Flowers double, dark red, 6.3 cm across. Blooms November to May. Scions.

Collected April 12, 1977. Village of Kirinzan.

418441. 239. 'Kanore'. Semidouble, white, to 7.6 cm across. Selected from wild and locally named. Scions.

418442. 240. (Hagiya #10). Weeping plant form. Flowers white, single to semidouble. Scions.

418443. 241. 'Shinsetsii' (new snow). Flowers white, semidouble, 5 cm across. Scions.

418444. 242. 'Orito'. Compact, round bush. Flowers white, double, to 10 cm across. Scions.

418445. 243. 'Nishikikirin'. Flowers pink and variegated red, semidouble, 10 cm across. Scions.

418446. 244. 'Yuki Komachi'. Old tree, many trunks, upright growth. Flowers pink, peony shaped, to 10 cm across. Scions.

418447. 245. 'Botanyuki'. Anemone form, yellow cast when grown in greenhouse, single when grown outdoors. Scions.

418448. 246. 'Hiasobi'. Compact, upright. Flowers deep red, single to semidouble, medium size. Scions.

418449. 247. 'Benikujaku'. Flowers deep red, formal double, 7.6 cm across, looks like cactus flower. Scions.

418450. 248. 'Bandai'. Leaves small. Flowers Christmas red, single, starlike. Few stamens. Long, narrow, pointed petals. Used for bonsai. Scions.

418451. 249. 'Midaregami'. Bushy, sharply pointed leaves. Flowers deep red, variable, semidouble to peony, 10 cm across. Scions.

418452. 250. 'Araiso'. Informal double, to 8.8 cm across. Scions.

418453. 251. 'Iroribi' (fireside). Flowers Christmas red, loose peony form. Scions.

418454. 252. 'Aiaigasa'. Compact plant, wide leaves. Flowers pink, hose in hose, to 6.3 cm across. Scions.

418455. 253. 'Bojo'. Flowers neon pink, anemone form, medium size. Scions.

418456. 254. Pale pink, semidouble, good stamens. Wild. Scions.

Mountains near Kirinzan, Niigata Prefecture.

418457. 255. Reportedly 400 to 500 years old. Flowers single, pink, 7.6 cm across, good stamens. Wild. Scions.

Village of Kirinzan.

418458. 256. 'Yakoguni'. Flowers pale peach, peony form, to 10 cm across. Scions.

418288 to 418563—Continued**418397 to 418476—Continued**

418459. 257. 'Hatano #1'. Flowers dark pink, rose form, double, medium to large size. Scions.
Yard near Ryoken, Kirinzan.
418460. 258. 'Hatano #2'. Reportedly 300 years old. Flowers red, double, large size. Scions.
Upper slope of snow-covered mountain, north of Kirinzan.
418461. 259. Almost flat from heavy snows. Wild. Scions.
On mountainside, opposite side of river from P.I. 418461. Plants forming a dense mat over one-half acre in area.
418462. 261. Matted down by heavy snows. Flowers red, single. Wild. Scions.
In Kamoyama Park, Kamo-shi, Niigata Prefecture.
418463. 262. Flowers semidouble, deep purple in bud, medium size. Scions.
418464. 263. 'Kotohazima'. Leaves small. Flowers white, tight anemone form. Scions.
Collected April 13, 1977. Kawamura Nursery, Kameda, Niigata Prefecture.
418465. 271. 'Yukiogimi'. Flowers pale peach, peony form, to 10 cm across. Scions.
418466. 272. 'Tashiro'. Dwarfish plant. Flowers white, semidouble, narrow petals. Scions.
418467. 273. 'Mizioshi'. Compact, dwarfish plant. Flowers white, semidouble, fragrant. Scions.
Kiguchi Nursery, Loai, Niigata Prefecture.
418468. 276. 'Gozunishiki'. Thick, twisted leaves. Flowers red, single, 5 cm across. (Originally collected by Mr. Kiguchi from mountains to the east). Scions.
Collected April 4, 1977. Small camellia garden in foothills of Hida Sanmyaku Mountains, northeast of Toyama.
418469. 190. Owner had collected plants from wild and placed in garden near house. Seed gathered from beneath several trees. Seed.
Collected April 8, 1977. Mountains above Shiratori, near Hachiman-cho, Gifu Prefecture.
418470. 228. Large plant on rock shelf on side of mountain, abundance of seed capsules. Seed.
Collected April 13, 1977. Ishiguro Nursery, Ono, Niigata Prefecture.
418471. 264. 'Katsugrahime'. Dwarf plant. Small, narrow, sharply toothed leaves. Flowers Christmas red, single. Scions.
Kawamura Nursry, Kameda, Niigata.
418472. 267. Extremely dwarf plant. Small, narrow, sharply toothed leaves. Flowers pale pink with dark pink edge, folded like dogwood flower, 3.7 cm across. Originally from Tokamachi.
418473. 268. 'Nichirin'. Flowers Christmas red, single, with five flat, wide petals, to 10 cm across. Scions.

418288 to 418563—Continued**418397 to 418476—Continued**

418474. 269. 'Himeshirayaki'. Compact plant. Flowers white, magnolia type, 5 cm across. Scions.

418475. 270. 'Bandai'. Dwarf, bushy plant. Small, deeply-toothed leaves. Flowers three to a node, Christmas red, star shaped, single. Long, narrow petals, few stamens. Scions.

Nagao Nursery, Loai, Niigata Prefecture.

418476. 274. 'Tamaikari'. 'Higo' type. Flowers pale pink with white center, single, fragrant. Scions.

418477. *CAMELLIA SALUENENSIS* Stapf ex Bean

Collected March 23, 1977. Dr. K. Wada, Hakoneya Nurseries, Yokohama.

132. Flowers light pink, single, medium large. Appears to be interspecific hybrid of this species. Scions.

418478 to 418480. *CAMELLIA SASANQUA* Thunb. *Sasanqua camellia*.

Collected March 15, 1977. Garden of Mr. Hifa Satoni, camellia nurseryman, Kurume.

418478. 75. 'Hosaba'. Long-leaved form. Flowers small, pink, single. Scions.

Collected April 16, 1977. Dr. Naotoshi Hakoda, Faculty of Agriculture, Tokyo University.

418479. 311. 'Hi-Atome'. Leaves hollylike. Flowers red, formal double. Scions.

Collected April 17, 1977. Dr. Shubo Kirino, Kodomino-kuni Park, south of Tokyo.

418480. 333. 'Dainichi-no-akebono'. Flowers apricot pink, cupped, single, Scions.

418481 and 418482. *CAMELLIA TENUIFLORA* (Hay.) Cohen-Stuart

Collected April 16, 1977. Dr. Naotoshi Hakoda, Faculty of Agriculture, Tokyo University.

418481. 314. Branches slender, small roundish leaves. Flowers not seen. Reportedly from Taiwan. Scions.

Collected April 17, 1977. Mr. Saburo Yokoyama, Zama-shi, Kanagawa-ken (near Kamakura).

418482. 334. Branches slender, small roundish leaves. No flowers. Scions.

418483 and 418484. *CAMELLIA TRANSARISANENSIS* (Hay.) Cohen-Stuart

Collected March 13, 1977. Bonsai nurseryman at display outside gate of Kushito Shrine, near Fukuoka.

418483. 63. Small leaves. Flowers small, white. Sometimes used in bonsai. Scions.

Collected April 16, 1977. Dr. Naotoshi Hakoda, Faculty of Agriculture, Tokyo University.

418484. 300. Small leaves. Flowers small, white. Reportedly from Taiwan. Scions.

418485 to 418489. *CAMELLIA* × *VERNALIS* (Makino) Makino

Collected March 14, 1977. Kyushu University Experiment Gardens, Fukuoka.

418288 to 418563—Continued**418485 to 418499—Continued**

418485. 66. 'Omigoromo'. Plant upright. Flowers pale pink, single, 8.8 cm across. Tetraploid. Scions.
418486. 67. 'Kamakura'. Plant compact and spreading. Shibori (variegated), deep pink and white, bell shaped, 7.6 cm across. Triploid. Scions.
418487. 68. 'Egao'. Plant upright. Flowers lavender pink, semidouble, 10 cm across. Tetraploid. Scions.
418488. 69. 'Umegaka'. Plant upright. Leaves similar to *C. japonica*. Flowers light pink, semidouble, 6 cm across. Tetraploid. Scions.
- Collected March 15, 1977. Garden of Mr. Hifa Satomi, camellia nurseryman, Kurume.

418489. 78. 'Takarazuka'. Flowers white, double, 10 cm across. Blooms in April. Scions.

418490 to 418505. CAMELLIA WABISKE (Makino) Kitamura

Collected March 14, 1977. Kyushu University Experiment Gardens, Fukuoka.

418490. 70. 'Sukiya'. Leaves small, narrow. Flower pale pink, semidouble, bell shaped, star, to 7.6 cm across. Scions.

418491. 71. 'Taro-kaja' or 'Uraku'. Plant tall, narrow. Leaves long, sharply pointed. Flowers lavender pink, single, semibell, to 7.6 cm across. Scions.

Collected March 15, 1977. Garden of Mr. Hifa Satomi, camellia nurseryman, Kurume.

418492. 80. 'Kocho-wabisuke'. Miniature, bell type, pink and white variegated, to 4 cm across. Scions.

418493. 81. 'Shiro-wabisuke'. Flowers white, single, star shaped, 5 cm across. Anthers and filaments rudimentary. Scions.

Collected March 18, 1977. Mr. Rikiso Nakashige, Nakashige Unso Company, Kure City.

418494. 114. 'Kocho-wabisuke'. Shrub, compact and extremely attractive. Tiny-leaved clone with white-edged margins. Scions.

Collected March 27, 1977. Oshima Hawaii Botanical Garden, Oshima Island.

418495. 148. 'Kuro-wabisuke'. Flowers red black, bell shaped, single. Scions.

Collected March 28, 1977. Kyoto Botanical Garden, Kyoto.

418496. 164. Red and white variegated flowers. Scions.

418497. 165. Red flowers. Scions.

418498. 166. Bell shaped, red and white variegated flowers. Flowers smaller than in P.I. 418496. Scions.

418499. 168. Flowers white. Scions.

418500. 171. 'Uraku'. Flowers bright pink. Scions.

Collected April 5, 1977. Garden of Mr. Makino, suburbs of Toyama.

418501. 203. Large-flowered pink. Scions.

418502. 210. 'Showana wabisuke'. Leaves narrow. Flower buds very slender, long, pointed. Flowers white, single, 5 cm across, 6 petals, some fragrance. Scions.

418288 to 418563—Continued**418490 to 418505—Continued**

Collected April 8, 1977. Shiratori, near Hachiman-cho, Gifu Prefecture, in mountains above town.

418503. 221. Flowers bright red. Scions.

Garden of Mrs. Minoura, Shiratori, near Hachiman-cho, Gifu Prefecture.

418504. 222. Plant reportedly 300 years old. Flowers candy striped, semidouble, 6.3 cm across. Largest flowers seen for this species. Scions.

Collected April 16, 1977. Dr. N. Hakoda, Faculty of Agriculture, Tokyo University.

418505. 310. 'Kon-wabisuke'. Flowers black red, single. Scions.

418506. CAMELLIA sp.

Collected March 18, 1977. Mr. Rikiso Nakashige, Nakashige Unso Company, Kure City.

111. 'Nokogiri-Ba'. Leaves hollylike. Flowers pink, single, 7.6 cm across. May be unique leaf form of *C. japonica*. Scions.

418507. CAMELLIA sp.

Collected March 20, 1977. Mr. Yoshiaki Andoh, Kobe City.

122. 'Hakuman-ku-taku' (peacock camellia). Leaves long and very narrow. Flowers rose pink, blotched white, semidouble, to 10 cm across. Petals long and narrow. Scions.

418508. CAMELLIA sp.

Collected April 3, 1977. Toyama University field Station, Toyama.

175. Flowers white, single. Flowers in autumn. An unknown species reportedly introduced from People's Republic of China, related to *C. sasanqua*. Scions.

418509. CAMELLIA sp.

Collected April 5, 1977. Village Headman's garden, Yamada-mura, Toyama Prefecture.

213. Reportedly hybrid between *C. sasanqua* and *Tutcheria*, looks much like a small-leaved form of *C. sasanqua*. Scions.

418510. CAMELLIA sp.

Collected April 8, 1977. Garden of Mrs. Minoura, Shiratori (near Hachimancho), Gifu Prefecture.

223. Flowers pink and red, semidouble, cupped. Said to be *C. wabisuke* but looks more like *C. japonica*. Scions.

418511. CAMELLIA sp.

Collected March 23, 1977. Dr. K. Wada, Hakoneya Nurseries, Yokohama.

128. Spreading growth habit. Flowers rose red, single, 8.8 cm across. Very hardy, fall blooming. Popular in Japan. Said to be *C. japonica* 1/2 *C. sasanqua* hybrid. Reportedly from People's Republic of China. Scions.

418512. CAMELLIA sp.

129. Flowers white to pinkish. Said to be *C. sasanqua* hybrid but has little in common with that species other than fall blooming. Scions.

418288 to 418563—Continued

418513. *CAMELLIA* sp.

130. Flowers white. Fall blooming. Scions.

418514. *CAMELLIA* sp. Theaceae.

131. Flowers pale pink, single, 10 cm across, very fragrant. Unique open-pollinated seedling of unknown origin.

418515. *CEPHALOTAXUS* sp. Taxaceae.

Collected April 4, 1977. Hida Sanmyaku Mountains, northeast of Toyama. 186. Elevation 1,000 m. Scions.

418516. *EDGEWORTHIA PAPYRIFERA* Sieb. & Zucc. Thymelaeaceae.

Collected April 8, 1977. Garden of Mr. Minoura, Shiratori (near Hachiman-cho), Gifu Prefecture.

226. Deciduous shrub. Clusters of small, bright yellow flowers borne terminally, before leaves. Clusters about 2.5 cm across. Scions.

418517. *EURYA EMARGINATA* (Thunb.) Makino Theaceae.

Collected March 18, 1977. Mr. Rikiso Nakashige, Nakashige Unso Company, Kure City.

115. Narrow, crinkled-leaf form. Scions.

418518. *EURYA* sp.

Collected March 17, 1977. Harada Itukaichi-cho, Hiroshima Prefecture.

99. Spreading, prostrate shrub. Top of bank above a terraced rice paddy, high in mountainous area. Scions.

418519. *EURYA* sp.

Collected March 27, 1977. Oshima Island, near base of Mt. Mihara.

163. Dense shrub with bright green foliage. Masses of small bell-shaped flowers. Scions.

418520. *FORSYTHIA* sp. Oleaceae.

Collected March 18, 1977. Mr. Rikiso Nakashige, Nakashige Unso Company, Kure City.

116. Flowers lemon yellow, large and drooping on rather long peduncles. Scions.

418521. *GARDENIA* sp. Rubiaceae.

Collected March 17, 1977. Harada Itukaichi-cho, Hiroshima Prefecture.

93. Upright plant. Scions.

418522 to 418525. *ILEX CRENATA* Thunb. Aquifoliaceae. **Inkberry.**

Collected March 17, 1977. Harada Itukaichi-cho, Hiroshima Prefecture.

418522. 92. Growing along a steep hillside at edge of woods. Columnar form. Scions.

418523. 96. Growing on side of terraced rice paddy in mountains. Low, spreading, semidwarf growth habit, 30.5 cm high, 61 cm wide. Scions.

418524. 97. Growing along edge of woods. Dense, bushy shrub. Scions.

Collected April 4, 1977. Hida Sanmyaku Mountains, northeast of Toyama.

418525. 180. Growing in deep snow area. Elevation 1,000 m. Upright, 1.2 m tall. Scions.

418288 to 418563—Continued

418526 to 418528. *LYCORIS RADIATA* (L'Her.) Herbert Amaryllidaceae.

Shorttube lycoris.

Collected March 17, 1977. Harada Itukaichi-cho, Hiroshima Prefecture.

418526. 104. Reportedly highly fertile. Wild. Bulbs.

418527. 105. Reportedly fertile. Wild. Large bulbs.

418528. 106. Reportedly highly fertile. Wild. Bulbs.

418529 to 418533. *PIERIS JAPONICA* (Thunb.) D. Don ex G. Don Ericaceae.

Japanese andromeda.

Collected March 17, 1977. Harada Itukaichi-cho, Hiroshima Prefecture.

418529. 95. Very upright form with long panicles of white flowers. Scions.

418530. 98. Growing adjacent to rice paddy. Shrubby plant. Scions.

Collected March 18, 1977. Mr. Rikiso Nakashige, Nakashige Unso Company, Kure City.

418531. 107. Variegated-leaved form. Flowers white, panicles 9 cm long. Scions.

418532. 108. Narrow-leaved form. Flowers white. Scions.

418533. 109. Small-leaved form. Flowers white. Scions.

418534 to 418553. *PRUNUS MUME* Sieb & Zucc. Rosaceae. **Japanese apricot.**

Grafted plants collected April 16, 1977. Dr. Naotoshi Hakoda, Faculty of Agriculture, Tokyo University of Agriculture and Technology, Saiwai-cho, Fuchu-City, Tokyo.

418534. 280. 'Hanakami'. Flowers medium to light pink, semidouble. Plant.

418535. 281. 'Hokkai-bungo'. Plant.

418536. 282. 'Kanko-Bai'. Flowers dark pink, double. Plant.

418537. 283. 'Kobai'. Plant.

418538. 284. 'Koshu-shinko'. Plant.

418539. 285. 'Mangetsu-shidare'. Plant.

418540. 286. 'Mori-no-seki'. Flowers deep pink at center of petals, shading to white at edge, single. Plant.

418541. 287. 'Natsu-goromo'. Plant.

418542. 288. 'Ohshuku-bai'. Flowers white, semidouble. Plant.

418543. 289. 'Okina'. Leaves variegated. Flowers white, single, large. Plant.

418544. 290. 'Okitsu-akabana'. Plant.

418545. 291. 'Omoi-no-mama'. Flowers each a different shade of light pink, semidouble. Plant.

418546. 292. 'Sabashi-ko'. Flowers deep red pink, single. Plant.

418547. 293. 'Shiro-naniwa'. Flowers white, semidouble, large. Plant.

418548. 294. 'Tama-ume'. Flowers white, single, small, long stamens. Plant.

418549. 295. 'Tohji-bai'. Flowers white, single, large, long stamens. Plant.

418550. 296. 'Tsuki-kage'. Flowers white, single, large. Plant.

418551. 297. 'Tsuki-no-katsura'. Flowers white, single, small. Plant.

418552. 298. 'Tsuno-ume'. Plant.

418553. 299. 'Usuiro-chirimen'. Plant.

418554. *RHODODENRON* sp. Ericaceae.

418288 to 418563—Continued**418554—Continued**

Collected March 17, 1977. Harada Itukaichi-cho, Hiroshima Prefecture.

101. Deciduous azalea. Flowers purple. Plant.

418555. RHODODENDRON sp.

102. Semi-evergreen azalea. Plant.

418556. RHODODENDRON sp.

103. Semi-evergreen azalea. Flowers bright red. Plant.

418557. RHODODENDRON sp.

Collected April 13, 1977. Ishiguro Nursery, Ono, Niigata Prefecture.

265. Dwarf evergreen. Clear yellow flowers. Plant forms very rounded crown. Originally from Yakushima Island. Plant.

418558. RHODODENDRON sp.

279. Small-leaved dwarf seedling of progeny from P.I. 418557. Plant.

418559. RHODODENDRON sp.

Collected April 16, 1977. Plant festival, outside Arboretum of Sactama Prefecture.

321. Evergreen. Flowers medium purple, blue cast. Originally from Yunnan, China. Plant.

418560. ROSA sp. Rosaceae.

Collected March 18, 1977. Mr. Rikiso Nakashige, Nakashige Unso Company, Kure City.

113. Tiny leaved. Scions.

418561. SALIX sp. Salicaceae.

Collected March 17, 1977. Harada, Itukaichi-cho, Hiroshim Prefecture.

100. Upright plant.

418562. SAXIFRAGA sp. Saxifragaceae.

Collected April 8, 1977. Near Shiratori, near Hachiman-cho, Gifu Prefecture.

227. Form of strawberry begonia with variegated leaves and serrated edges. Plant.

418563. TUTCHERIA SPECTABILIS (Champ.) Dunn Theaceae.

Collected April 17, 1977. S. Yokoyama's garden, Zama-shi, Kanagawa-ken.

335. Long, narrow leaves. Flowers cream colored, single.

418564 to 418587.

From Union of Soviet Socialist Republics. Seed presented by V. F. Dorofeev, N. I. Vavilov Institute of Plant Industry, Leningrad. Received July 14, 1977.

418564 to 418578. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

418564. VIR 46635. Priboej. Winter type. Ukraine.

418565. VIR 47668. Rostovcanka. Winter type.

418566. VIR 47678. Bezostaja 2. Winter type. Krasnodar.

418567. VIR 48067. Prikumskaja 36. Winter type. Stavropol.

418568. VIR 48068. Severodoskaja. Winter type.

418569. VIR 48108. Sortandinskaja 25. Kazakhstan.

418564 to 418587—Continued**418564 to 418578—Continued**

418570. VIR 48116. Saratovskaja 44. Spring type. Saratov.
 418571. VIR 48668. Przevalskaja. Winter type. Kirghizia.
 418572. VIR 48670. Ersovskaja 3. Winter type. Saratov.
 418573. VIR 48686. Orbita. Winter type. Ukraine.
 418574. VIR 48697. Drestrovskaja 25. Winter type. Moldavia.
 418575. VIR 48773. Buriatskaja 34. Spring type. Burat.
 418576. VIR 48991. Saratovskaja 46. Spring type. Saratov.
 418577. VIR 49361. Bezencukskaja 129. Spring type. Kuibyshev.
 418578. VIR 51729. Krasnovodonadskaja 210. Winter type.

418579. TRITICUM ARARATICUM Jakubz.

VIR 31123. Nakhitschevanicum. Winter type. Nakhitchevan.

418580. TRITICUM BOEOTICUM Boiss.**Wild einkorn.**

VIR 28273. Winter type. Nakhitchevan.

418581. TRITICUM MILITINAE Zhuk. & Migush.

VIR 46007. Spring type. Georgia.

418582 and 418583. TRITICUM MONOCOCCUM L.**Einkorn.**

418582. VIR 18105. Spring type.

418583. VIR 46586. Spring type. Georgia.

418584 and 418585. TRITICUM TIMOPHEEVII (Zhuk.) Zhuk.

418584. VIR 38555. Spring type. Georgia.

418585. VIR 46956. Spring type. Georgia.

418586. TRITICUM sp.

VIR 28162. Winter type. Georgia.

418587. TRITICUM sp.

VIR 48993. Spring type. Daghestan.

418588 to 418591.

From Sierre Leone. Seed collected by B. L. Pollack, Agricultural Experiment Station, Rutgers University, New Brunswick, New Jersey. Received July 25, 1977.

418588. CANAVALIA ENSIFORMIS (L.) DC. Fabaceae.**Jackbean.**

"Eh-Lil Eh-Shebra". Temne.

418589. CUCURBITA PEPO L. Cucurbitaceae.**Pumpkin.**

"Ah-Kal i". Temne. Duration 4 months; won't bear if planted in dry season (December to March).

418590. PANICUM sp. Poaceae.

"Pa Pende". Temne. Duration 2 months. Plants short.

418591. PENNISETUM AMERICANUM (L.) Leeke Poaceae.**Bulrush millet.**

"Ta-Sur". Temne. Duration 6 months.

418592 to 418597. NICOTIANA TABACUM L. Solanaceae. Tobacco.

From People's Republic of China. Seed presented by Chinese Academy of Agriculture and Forestry Science, Peking, through T. C. Tso, Tobacco Laboratory, Plant Genetics and Germplasm Institute, Agricultural Research Center, Beltsville, Maryland.

418592 to 418597—Continued

Numbered August 1, 1977.

418592. Big Gold 5210.

418593. Ga-shen 1.

418594. Goldstar 6007.

418595. Little Gold 1025.

418596. Ma-song-ta.

418597. Tan-yuh 1. Obtained from the anther culture method.

418598. STEVIA REBAUDIANA (Bertoni) Bertoni Asteraceae.

From Japan. Seeds presented by Dr. Katsuo, Egara, Shikoku, through J. A. Duke, Plant Taxonomy Laboratory, Plant Genetics and Germplasm Institute, Agricultural Research Center, Beltsville, Maryland. Numbered August 1, 1977.

418599 to 418612. FESTUCA ARUNDINACEA Schreb. Poaceae.

Tall fescue.

From France. Seed presented by P. Gayraud, Amelioration Fourragere, Rue Hegesippe Moreau, Provins. Received July 19, 1977.

418599. RAGT FE 70. St. Cere, Lot Department.

418600. RAGT FE 78. Souillac, Lot Department.

418601. RAGT FE 81. Millau, Aveyron Department.

418602. RAGT FE 88. Montagnac, Herault Department.

418603. RAGT FE 90. Castelnau le Lez, Herault Department.

418604. RAGT FE 97. La Pyramide, Gard Department.

418605. RAGT FE 103. Col de Jalereste, Lozere Department.

418606. RAGT FE 105. Faux et Le Cantonnet, Lozere Department.

418607. RAGT FE 108. Villefranche de Panat, Aveyron Department.

418608. RAGT FE 111. St. Rome du Tarn, Aveyron Department.

418609. RAGT FE 120. Le Puy, Haute Loire Department.

418610. RAGT R 19 9-35-18. Druelle, Aveyron Department.

418611. RAGT R 47-9-2-29. Levezou, Aveyron Department.

418612. RAGT R 51-9-6-39. Merville, Haute Garonne Department.

418613 to 418631. MEDICAGO SATIVA L. Fabaceae.

Alfalfa.

From Morocco. Seed collected by J. L. Caddel, Department of Agronomy, Oklahoma State University, Stillwater, Oklahoma. Received July 18, 1977.

418613. 1. Sous Valley. Irrigated.

418614. 2. Sous Valley. Irrigated farm.

418615. 4. Midelt market. Grown at Tafilat.

418616. 5. Midelt market. Grown at Rich, village between Ouazazate and Ksar-es-Souk.

418617. 6. Meknes market.

418618. 7. Casablanca market. Grown at Khemisett. Seed round.

418619. 8. Sous Valley. Irrigated farm.

418620. 9. Casablanca market. Grown at Khemisett.

418621. 11. Meknes market.

418613 to 418631—Continued

418622. 14. Meknes market.
 418623. 16. Moyen Atlas, 60 km north of Ksar-es-Souk. Local name Assou.
 418624. 17. Moyen Atlas, 60 km north of Ksar-es-Souk. Local name Boukil.
 418625. 18. Moyen Atlas, 60 km north of Ksar-es-Souk. Local name Zaid.
 418626. 19. Moyen Atlas, 60 km north of Ksar-es-Souk. Local name Bassaou.
 418627. 20. Moyen Atlas, 60 km north of Ksar-es-Souk. Local name Ali.
 418628. 21. Moyen Atlas, 60 km north of Ksar-es-Souk. Local name Mohe.
 418629. 22. Moyen Atlas, 60 km north of Ksar-es-Souk. Local name Brahim.
 418630. 23. Coastal.
 418631. 24. Ben Guerir.

418632 to 418755.

From Wales. Seed presented by B. F. Tyler, Plant Introduction Officer, Welsh Plant Breeding Station, Plas Gogerddan, Aberystwyth. Received June 23, 1977.

418632. *ARRHENATHERUM ELATIUS* (L.) Beauv. ex J. & C. Presl Poaceae. Tall oatgrass.
 3. Bm 253. Originally from Southern Plains, Romania.
 418633. *CYNOSURUS CRISTATUS* L. Poaceae. Crested dogtail.
 5. Bg 515. Originally collected August 1963 from Colunga, Spain. Elevation 60 to 80 m. Primarily used for hay.
 418634 to 418675. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
 418634. 6. Bc 4913. Originally from Tralee Bay, Ireland. Elevation 35 m. Primarily used for grazing.
 418635. 7. Bc 5232. Originally collected June 1961, 5 km from Navia on N.634 to Oviedo, Spain. Elevation 50 to 100 m.
 418636. 8. Bc 5233. Originally collected June 1961 at junction of Covadonga/Santander road, Santander, Spain. Small paddock, a hay meadow. Sandy, loam soil. Panicles quite ripe.
 418637. 9. Bc 5401. Originally collected July 1962 from Druelle (near Rodez), Aveyron Department, France. Elevation 700 m. Growing along roadside. Calcareous soil.
 418638. 10. Bc 5403. Originally collected July 1962 from R.A.G.T. Experiment Farm, Rodez, Aveyron Department, France. Elevation 750 m. Grassland.
 418639. 11. Bc 5444. Originally collected July 1962, 3 km northeast of Lacroix, Barez, Aveyron Department, France. Elevation 800 m. Roadside ditch.
 418640. 12. Bc 5445. Originally collected July 1962, 4 km north of Laquiole, Aveyron Department, France. Elevation 1,040 m. Along roadside.
 418641. 13. Bc 5446. Originally collected July 1962, 1 km west of Aubrac, Aveyron Department, France. Elevation 1,320 m. Along roadside.
 418642. 14. Bc 5447. Originally collected July 1962, Pont de Salars, Aveyron Department, France. Elevation 800 m. Edge of field. Very dry, volcanic soil.
 418643. 15. Bc 5448. Originally collected July 1962, Pont de Salars, Aveyron Department, France. Elevation 800 m. Roadside.

418632 to 418755—Continued**418634 to 418675—Continued**

418644. 16. Bc 5449. Originally collected July 1962, Viarouge, Aveyron Department, France. Elevation 950 to 1,000 m. Thin, stony soil, along roadside.
418645. 17. Bc 5450. Originally collected July 1962, 4 to 5 km southeast of Cavalerie, Herault Department, France. Elevation 800 to 1,000 m. Flat plateau, limestone region.
418646. 18. Bc 5453. Originally collected August 1962, 7 km south of Lodene, Herault Department, France. Elevation 150 m. Red sandstone area, waste on roadside.
418647. 19. Bc 5456. Originally collected August 1962, 8 km east of Apt on N100, Vaucluse Department, France. Elevation 300 m. Limestone rock, ditch.
418648. 20. Bc 5457. Originally collected August 1962, 17 km east of Apt on N100, Vaucluse Department, France. Elevation 400 to 600 m. Dry, stony soil. Along roadside in narrow valley.
418649. 21. Bc 5462. Originally collected August 1962, junction of N551 and N542, beyond Tallard, Hautes-Alpes Department, France. Elevation 600 to 800 m. Sandy, shale soil. Woodland in valley along Durance River.
418650. 22. Bc 5463. Originally collected August 1962, 16 km west of Tallard on N100, Hautes-Alpes Department, France. Elevation 1,000 m. Alongside cultivated wheatfield.
418651. 23. Bc 5464. Originally collected August 1962, approaching Embrun on N854, Hautes-Alpes Department, France. Elevation 1,100 m. Along roadside, fairly thin, dry, limey soil.
418652. 24. Bc 5469. Originally collected August 1962, 4 km below Col de Bayard on N85, Hautes-Alpes Department, France. Elevation 950 m. Roadside bank, stony soil.
418653. 25. Bc 5471. Originally collected August 1962, end of road a few 100 m above Orcieres, Hautes-Alpes Department, France. Elevation 2,000 to 3,000 m. Alpine, sharp, gradient, terraced fields.
418654. 26. Bc 5474. Originally collected August 1962, 19 km northwest of Embrun on N94, Guillestre, Hautes-Alpes Department, France, Elevation 700 to 800 m. Flat valley, cultivated field, along Durance River.
418655. 27. Bc 5477. Originally collected August 1962, on N202 near Vallaire, Savoie Department, France. Elevation 1,200 to 1,500 m. Small valley, north side of mountain range.
418656. 28. Bc 5479. Originally collected August 1962, on N9 at road junction, 7 km southwest of Albertville, Savoie Department, France. Elevation 300 m. Along roadside, near river.
418657. 29. Bc 5482. Originally collected August 1962, Italian Riviera bank, behind Rapallo, Italy. Elevation 80 to 100 m. Terraced enclave set back from sea.
418658. 30. Bc 5484. Originally collected August 1962, 13 km south of Narni, Italy. Limestone soil, sides of Tiber Valley and foothills of Appenine.

418632 to 418755—Continued**418634 to 418675—Continued**

418659. 31. Bc 5486. Originally collected August 1962, 9.5 km northwest of Terni, Italy. Elevation 400 m. Dry, calcareous soil. Banks of dried out water-course in narrow valley.
418660. 32. Bc 5487. Originally collected August 1962, Bocca Trabaria, Italy. Elevation 1,044 m. Loose shale sides of pass.
418661. 33. Bc 5489. Originally collected August 1962, 439 m and about 6 km below Passo di Pordoi, Italy. Elevation 1,800 m. Limestone, roadside banks surrounded by mountain pasture.
418662. 34. Bc 5663. Originally collected August 1963, Vega-de-Valcacre, Spain. Elevation 1,050 m. Steep, irrigated mountain meadow.
418663. 35. Bc 5668. Originally collected August 1963, Leon Oviedo, Spain. Elevation 850 m. Pasture.
418664. 36. Bc 5971. Originally collected 1965, Swedish Seed Association substation, near Undrom, Sweden. Elevation 152 m. Ditch below dry, sunny bank. Clay soil.
418665. 37. Bc 5973. Originally collected 1965, along roadside, Grong, Norway. Elevation 152 m.
418666. 38. Bc 5975. Originally collected 1965, on bank, Asen-Frosta, Trondheim Fjord, Norway. Elevation 61 m.
418667. 39. Bc 5977. Originally collected 1965, Klaebu, Norway. Plant tall and stemmy. Elevation 152 m. Dry roadside bank.
418668. 40. Bc 5978. Originally collected 1965, Moelv, Norway. Elevation 152 m. Pasture.
418669. 41. Bc 6028. Originally from Chateaubriand, Ille et Vilaine Department, France. Elevation 15 m. Grassland.
418670. 42. Bc 62660. Originally from Banat, Romania.
418671. 43. Bc 6388. Originally from Zadareni, Romania. Grassland.
418672. 44. Bc 6389. Originally from Negresti, Romania. Grassland.
418673. 45. Bc 6529. Originally collected 1971 from Moresnet, Belgium. Elevation 200 m. Grazed pasture. Brown, sandy, loam soil.
418674. 46. Bc 4463. FAO 3328. Originally from Bouira, Algeria. Elevation 500 m.
418675. 47. Bc 4458.
418676. *DACTYLIS GLOMERATA* subsp. *HISPANICA* (Roth) Duby
Spanish orchardgrass.
 48. Bc 5454. Originally collected August 1962, Aique Mortes, Bouches-du-Rhone, France. Waste ground in front of Crusader fortification. Elevation 10 m.
418677. *DACTYLIS GLOMERATA* subsp. *IBIZENSIS* (Gandog.) Stebbins & Zohary
 49. Bc 5196. Originally from Ibiza (Balearic Isles), Spain.
418678. *DACTYLIS GLOMERATA* subsp. *JUNCINELLA* (Bory) Boiss.
 50. Bc 6320. Originally collected 1966 from Sierra Nevada, Spain. Elevation 2,800 m. Growing alongside railroad.

418632 to 418755—Continued

418679. *DACTYLIS GLOMERATA* subsp. *LUSITANICA* Stebbins & Zohary
51. Bc 4651. Originally from Sintra, Portugal. Elevation 470 m. Growing on grassland in mountainous region.
418680. *DACTYLIS GLOMERATA* subsp. *SANTAI* Stebbins & Zohary
56. Bc 4454. Originally from the Mediterranean area of Spain.
- 418681 to 418684. *DACTYLIS MARINA* Borrill
418681. 52. Bc 4859. Originally from Cap Serrat, Tunisia. Rocky environment.
418682. 53. Bc 5214. Originally collected June 1961, Paria de Rocha, Portugal. Elevation 20 m. Top of sea cliffs.
418683. 54. Bc 5215. Originally collected June 1961, Cape St. Vincent, Portugal. Elevation 25 m. Sandy soil, among limestone rocks.
418684. 55. Bc 4782. Originally from Sintra, Portugal.
418685. *DESCHAMPSIA CAESPITOSA* (L.) Beauv. Poaceae. **Tufted hairgrass.**
168. Bs 3420. Originally from Esgair Gorlan (Dyfed), England. Elevation 400 m.
418686. *DESCHAMPSIA FLEXUOSA* (L.) Trin **Crinkled hairgrass.**
167. Bs 3422. Originally from Esgair Gorlan (Dyfed), England. Elevation 375 m.
- 418687 to 418699. *FESTUCA ARUNDINACEA* Schreb. Poaceae. **Tall fescue.**
418687. 73. Bn 759. Originally collected 1969, Ligurian Alps, 10 km east of Monesi, Ligurian Alps, Italy. Elevation 1,250 m. Roadside population by drainage ditch.
418688. 77. Bn 767. Originally collected 1967, Adda Valley, Grosina Alps, Bormio, Italy. Elevation 1,250 m. Soil peaty. Along margins of meadow.
418689. 79. Bn 945. Originally collected 1971, Saone Valle, Esbarres, Saone et Loire Department, France. Elevation 120 m. Silty, loam soil. Valley meadow subject to winter floods.
418690. 83. Bn 949. Originally collected 1971, Vex, Rhone Valley, Switzerland. Elevation 1,200 m.
418691. 84. Bn 1078/OP. Originally collected July 1974, Valle del Corsaglia Alps, Western Division Maritime, Subdivision Ligurian, Ponte di Borello (Eastern fork of T. Corsaglia), Italy. Elevation 987 m. Alongside flood bed of torrente.
418692. 85. Bn 1079/OP. Originally collected July 1974, Valle del Corsaglia Alps, Western Division Maritime, Subdivision Ligurian, Ponte di Borello (Western fork of T. Corsaglia), Italy. Elevation 1,005 m. Torrente flood bed among rocks, 200 km beyond bridge.
418693. 86. Bn 1080/OP. Originally collected July 1974, Valle del Corsaglia Alps, Western Division Maritime, Subdivision Ligurian, Ponte di Borello (Western fork of T. Corsaglia), Italy. Elevation 1,005 m. Streambanks, 200 km beyond bridge.
418694. 87. Bn 1081/OP. Originally collected July 1974, Valle del Corsaglia Alps, Western Division Maritime, Subdivision Ligurian, Ponte di Borello (Western fork of T. Corsaglia), Italy. Elevation 1,055 m. On south slope of steep sided cleft, 700 km beyond bridge.

418632 to 418755—Continued**418687 to 418699—Continued**

418695. 88. Bn 1082/OP. Originally collected July 1974, Valle del Corsaglia Alps, Western Division Maritime, Subdivision Ligurian, Ponte di Borello (Western fork of T. Corsaglia), Italy. Elevation 1,065 m. On level ground, 800 km beyond bridge.
418696. 89. Bn 1083/OP. Originally collected July 1974, Valle del Corsaglia Alps, Western Division Maritime, Subdivision Ligurian, Ponte di Borello (Western fork of T. Corsaglia), Italy. Elevation 1,065 m. On level ground, 800 km beyond bridge.
418697. 91. Bn 1085/OP. Originally collected August 1974, 1 km south of Passo Della Roncalla, Italy. Elevation 1,300 to 1,550 m. Alongside path which sometimes would be a stream from wet flushes. Sporadic grazing and trampling.
418698. 92. Bn 1086/OP. Originally collected August 1974, 0.5 km north of Rocca D'Aveto, Italy. Elevation 1,230 to 1,300 m. Alongside path which sometimes would be a stream from wet flushes. Sporadic grazing and trampling.
418699. 93. Bn 1087/OP. Originally collected August 1974, Rocca D'Aveto, Italy. Elevation 1,228 m. Roadside population.
418700. *FESTUCA PRATENSIS* Huds. **Meadow fescue.**
99. BF 953/OP. Originally collected 1971, Le Moleson, Gruyere, Switzerland. Elevation 2,000 m. Below cable car terminus.. Original identification *F. pratensis* var. *apennina*.
- 418701 to 418743. *LOLIUM PERENNE* L. Poaceae. **Perennial ryegrass.**
418701. 116. Ba 8319. Originally from Prizren, Yugoslavia. Elevation 456 m. Woodland.
418702. 117. Ba 8423. Originally from Monmouth Moors (Gwent), England, Grassland.
418703. 118. Ba 8480. Originally from Derita, Italy. Elevation 218 m.
418704. 119. Ba 8482. Originally from Castel Rigone, Italy. Elevation 653 m.
418705. 120. Ba 8483. Originally from Subasio, Italy. Elevation 1,000 m.
418706. 121. Ba 8486. Originally from Borgo Trevi, Italy. Elevation 400 m.
418707. 122. Ba 8643. Originally from Banat, Romania.
418708. 123. Ba 8835. Originally from Rebricea, Romania. Grassland.
418709. 124. Ba 8836. Originally from Izvin, Romania. Grassland.
418710. 125. Ba 8838. Originally from Fundulea, Romania. Along roadside.
418711. 126. Ba 8595. Originally collected 1967, 18 km north of Mondovi, Monferrato Hills, Farigliano, Italy. Elevation 360 m. Irrigated meadow, shade trees.
418712. 127. Ba 8596. Originally collected 1967, 12 km southwest of Cuneo, Stura di Demonte Valley, Gaiola, Maritime Alps, Italy. Elevation 700 m. Bottom of steep, riverside meadow, close to Stura River. Soil stony, dry.
418713. 128. Ba 8602. Originally collected 1967, Monesi, Ligurian Alps, Italy.

418632 to 418755—Continued**418701 to 418743—Continued**

Elevation 1,400 m. Mountain summer pasture at bottom of ski lift, sloping. Confined to a sheltered depression.

418714. 129. Ba 8603. Originally collected 1967, 5 km southwest of San Bernardo di Mendatica, Ligurian Alps, Italy. Elevation 1,200 m. Mountain summer pasture, grazing.
418715. 130. Ba 8604. Originally collected 1967, San Bernardo di Mendatica, Ligurian Alps, Italy. Elevation 1,600 m. Along roadside.
418716. 131. Ba 8605. Originally collected 1967, Passo di Teglia, Italy. Elevation 1,387 m. Mountain grassland.
418717. 132. Ba 8614. Originally collected 1967, Bormio, Adda Valley, Grosina Alps, Italy. Elevation 1,250 m. Meadow, peaty soil.
418718. 133. Ba 8616. Originally collected 1967, Semogo, Dentro Valley, Grosina Alps, Italy. Elevation 1,410 m. Alongside path around farm buildings, sheltered. Compacted, very prostrate plant.
418719. 134. Ba 8618. Originally collected 1967, 3 km east of Sondrio, Faedo, Valtellina, Italy. Elevation 295 m. Meadow in valley bottom, alongside Adda River with road between.
418720. 135. Ba 9065. Originally collected 1971, Remoifosse, Ardennes, Belgium. Elevation 500 m. Grazed pasture. Silty, loam soil.
418721. 136. Ba 9066. Originally collected 1971, Moinet, Ardennes, Belgium. Elevation 500 m. Grazed pasture. Compacted silty, loam soil.
418722. 137. Ba 9072. Originally collected 1971, Bettembourg, Vale of Roeser, Luxembourg. Elevation 280 m. Level, shallow valley, grazed pasture. Compacted, silty, clay, loamy soil.
418723. 138. Ba 9073. Originally collected 1971, Bettembourg, Vale of Roeser, Luxembourg. Elevation 280 m. Grazed pasture. Silty, clay, loamy soil.
418724. 139. Ba 9075. Originally collected 1971, Alise Ste. Reine, Auxois, Cote D'Or Department, France. Elevation 330 m. Shallow, compacted overlying calcareous rock.
418725. 140. Ba 9076. Originally collected 1971, Les Laumes, Auxois, Cote D'Or Department, France. Elevation 250 m.
418726. 141. Ba 9078. Originally collected 1971, Les Laumes, Auxois, Cote D'Or Department, France. Elevation 250 m. Shaded by trees, Heavy, moist, loamy soil.
418727. 142. Ba 9079. Originally collected 1971, Pouillenay, Auxois, Cote D'Or Department, France. Elevation 250 m. Grazed pasture, north railway embankment. Heavy, loam soil.
418728. 143. Ba 9080. Originally collected 1971, Moutiers-St. Jean, Auxois, Cote D'Or Department, France. Elevation 240 m. Grazed pasture. Heavy clay, loamy soil.
418729. 144. Ba 9081. Originally collected 1971, Moutiers-St. Jean, Auxois, Cote D'Or Department, France. Elevation 240 m. Grazed pasture. Heavy, loam soil.

418632 to 418755—Continued**418701 to 418743—Continued**

418730. 145. Ba 9082. Originally collected 1971, Esbarres, Saone Valley, Saone et Loire Department, France. Elevation 120 m. Level, grazed meadow, subject to floods. Silty, loam soil.
418731. 146. Ba 9083. Originally collected 1971, Esbarres, Saone Valley, Saone et Loire Department, France. Elevation 120 m. Grazed meadow. Silty, loam soil.
418732. 147. Ba 9091. Originally collected 1971, Chalets des Enfants, Jorat Mountains (Swiss Plateau), Switzerland. Elevation 840 m. Grazed pasture, surrounded by coniferous trees.
418733. 148. Ba 9092. Originally collected 1971, Pra Riondet, Gruyere (Swiss Plateau), Switzerland. Elevation 860 m. Grazed pasture. Soil compacted.
418734. 149. Ba 9099. Originally collected 1971, Granois (Saviese), Gruyere, Switzerland. Elevation 870 m. Path through orchard.
418735. 150. Ba 9100. Originally collected 1971, Drone (Saviese), Gruyere, Switzerland. Elevation 1,276 m. Roadside wasteground. Compacted, stony soil.
418736. 151. Ba 9102. Originally collected 1971, Regensdorf, Zurich Uplands, Switzerland. Elevation 439 m. Valley pasture. Sandy, aluvial soil.
418737. 152. Ba 9109. Originally collected 1971, I.N.R.A. Farm, Mirecourt, Lorraine Plain, Vosges Department, France. Elevation 287 m. Grazed pasture.
418738. 153. Ba 9110. Originally collected 1971, I.N.R.A. Farm, Mirecourt, Lorraine Plain, Vosges Department, France. Elevation 287 m. Next to cornfield, grazing. Heavy clay, very dry, compacted soil.
418739. 154. Ba 9111. Originally collected 1971, Vittel, Lorraine Plain, Vosges Department, France. Elevation 330 m. Grazed pasture.
418740. 155. Ba 9113. Originally collected 1971, I.N.R.A. Farm, Mirecourt, Lorraine Plain, Vosges Department, France. Elevation 289 m. Grazed pasture. Medium-heavy loam soil.
418741. 156. Ba 9117. Originally collected 1971, Reims-la-Brulee, Champagne Humide, Marne Department, France. Elevation 100 m. Grazed pasture. Heavy loam soil.
418742. 157. Ba 9118. Originally collected 1971, north of Etrepy, Champagne Humide, Marne Department, France. Elevation 100 m. Grazed pasture, adjacent to railway embankment. Light, sandy, soil.
418743. 158. Ba 9120. Originally collected 1971, south of Etrepy, Champagne Humide, Marne Department, France, Elevation 100 m. Grazed pasture, parallel to streambank, subject to winter floods. Medium loam soil.
- 418744 to 418748. TRIFOLIUM PRATENSE L. Fabaceae. **Red clover.**
418744. 'Aled'. 418747. 'Minuet'.
418745. 'Astra'. 418748. 'Norseman'.
418746. 'Berwyn'.
- 418749 to 418755. TRIFOLIUM REPENS L. **White clover.**

418632 to 418755—Continued**418749 to 418755—Continued**

418749. 172. Ac 3053. Originally collected August 1963, Astorga, Spain, Elevation 800 m. Level grassland, poorly irrigated pasture.
418750. 190. Ac 3346. Originally collected 1971, Samsun, Samsun Province, Turkey. Elevation 40 m.
418751. 191. Ac 3348. Originally collected 1971, Samsun-Aukara, Samsun Province, Turkey. Elevation 610 m.
418752. 192. Ac 3355. Originally collected 1971, Trabzon-Erzurum, Gumusane Province, Turkey. Elevation 990 m.
418753. 199. Ac 3369. Originally collected 1971, Elazig-Malatya, Elazig Province, Turkey. Elevation 770 m.
418754. 204. Ac 3396. Originally collected 1971, Duzce, Bolu Province, Turkey. Elevation 250 m. Woodland.
418755. 205. Ac 3405. Originally collected 1971, Izmit-Bursa Province, Turkey. Elevation 330 m.

418756 to 418796.

From Afghanistan. Seed collected by J. O. Young, Department of Horticulture, University of Nebraska, Lincoln. Numbered August 10, 1977.

- 418756 to 418758. *ACER GINNALA* Maxim. Aceraceae. **Amur maple.**
418756. 20. Jam, Ghor Province. Growing among boulders along valley floor. Cold snowy winters, long hot and dry summers. Elevation 1,700 m.
418757. 23. Bamiyan-Dashi Road. Granite boulders. Elevation 1,800 m.
418758. 26. Tributary of Hari Rud River, about 10 km north of Jam. Elevation 2,200 m.
418759. *ACER* sp.
27. Tashkent.
418760. *ALLIUM* sp. Amaryllidaceae.
29. Afghan seeds.
418761. *ALLIUM* sp.
36. Sachik, 21 km west of Nartah.
418762. *CITRULLUS LANATUS* (Thunb.) Matsum. & Nakai Cucurbitaceae. **Watermelon.**
32. Yellow skinned.
418763. *COLUTEA* sp. Fabaceae.
8. Above Minar-e-Jam, 2,000 m on Chakhcharan Road. Shrub to 3 m tall. Fruit bladder shaped.
418764. *COLUTEA* sp.
9. Jam.
418765. *CRATAEGUS* sp.
17. "Gulana". Jam. Tree to 9 m tall.
- 418766 to 418770. *CUCUMIS MELO* L. Cucurbitaceae.
418766. 2. Khorbuza, Tashkent. Sweet and succulent.
418767. 5. Afghan melon.
418768. 7. Harbuza. Crinkle skinned.

418756 to 418796—Continued**418766 to 418770—Continued**

418769. 35. Mokur.
418770. 40. Khorbuza, Tashkent. Sweet and succulent.
418771. *CUPRESSUS* sp. Cupressaceae.
4. Nimla.
418772. *DIANTHUS* sp. Caryophyllaceae.
3. Dahan-e-au delah.
418773. *DIOSPYROS LOTUS* L. Ebenaceae. **Dateplum persimmon.**
18. Hamdesh River. Elevation 1,500 m. Tree to 9 m, fruit to 2.5 cm.
418774. *FRAXINUS* sp. Oleaceae.
37. Somakond.
418775. *HELIOTROPIMUM* sp. Boraginaceae.
24. Charmak, Guhan.
418776. *PEGANUM HARMALA* L. Zygophyllaceae. **Harmel piganum**
10. Noxious weed.
418777. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**
11. Kaghan Valley.
418778. *PISTACIA* sp. Anacardiaceae.
15. East of Cheste Sharief 25 km. Elevation 1,500 m. Small tree.
- 418779 to 418781. *PRUNUS DULCIS* (Mill.) D. A. Webb Rosaceae. **Almond.**
418779. 6. Chakhcharan Road, Badum-e-Talkhak, above Minar-e-Jam. Elevation 2,000 m.
418780. 22. Chakhcharan Road, Badum-e-Talkhak, above Minar-e-Jam. Elevation 2,000 m.
418781. 25. Thirty-three km east of Cheste Sharief. To 1 m tall.
418782. *PRUNUS* sp.
31. Jam. Elevation 1,700 m. Tree to 2 m tall.
418783. *PYRUS COMMUNIS* L. Rosaceae. **Pear.**
38. Karndesh River. Tree to 12 m tall, fruit to 2.5 cm.
418784. *QUERCUS* sp. Fagaceae.
21. Karndesh, Nuristan. Elevation 1,500 m. To 15 m tall. Leaves contour or spiny.
418785. *QUERCUS* sp. Fagaceae.
41.
418786. *ROSA* sp. Rosaceae.
1. Minar-e-Jam.
418787. *ROSA* sp.
12. Between Hajigak and Bamiyan. Elevation 2,700 m.
418788. *ROSA* sp.
30. Houmorau Valley, 10 km southeast of Bamiyan. Elevation 2,500 m. To 1 m tall.

418756 to 418796—Continued

418789. *ROSA* sp.

34. Between Khinjan and Salvg. Elevation 2,270 m. To 3 m tall. Large, colorful hips.

418790. *ROSA* sp.

39. Summora Valley, near Bamiyan. To 2.4 m tall. Small red hips.

418791. *RUMEX* sp. Polygonaceae.

16. Goerzus, Ghazrin.

418792. *RUMEX* sp.

19. Jam. To 0.6 m tall.

418793. *SILENE* sp. Caryophyllaceae.

33. UNAI, Dahan-e-Wazir.

418794. *VITIS* sp. Vitaceae.

14. Karndesh, Nuristan. Elevation 1,600 m. Small, blue grape.

418795. Undetermined Boraginaceae.

13. Tsharmak.

418796. Undetermined Rubiaceae.

28. Karndesh, Nuristan. Elevation 1,500 m. Shrub to 3 m tall.

**418797. *HYMENOCALLIS DECLINATA* (Jacq.) M. Roem.
Amaryllidaceae.**

From Bahamas. Seed collected by D. S. Correll, Fairchild Tropical Garden, Miami, Florida. Received August 22, 1977.

Correll 48985. Near old lighthouse, southern Eleuthera.

418798 to 418801. *GOSSYPIUM HIRSUTUM* L. Malvaceae. Cotton.

From Colombia. Seed presented by L. A. Gonzalez, Transveral, Bogota. Received July 29, 1977.

418798. 'Lengupa' bulked samples 2 & 3. Santander Departamento.

418799. 'Pajarito' bulked samples 1 & 4. Santander Departamento.

418800. 5. Pacho, Cundinamarca Departamento.

418801. 6. Caqueza, Cundinamarca Departamento.

418802. *CENCRUS CILIARIS* L. Poaceae. Buffelgrass.

From India. Seed presented by Pratap Nursery and Seed Stores, Panditwari, Dehra Dun. Received August 1, 1977.

Dark-colored seed.

418803 to 418952.

From Italy. Seed collected by W. R. Langford, Regional Plant Introduction Station, Experiment, Georgia, and R. R. Smith, Department of Agronomy, University of Wisconsin, Madison, Wisconsin. Received July 20, 1977.

418803. *CORONILLA* sp. Fabaceae.

270. On Route 72, 4 km south of Bibbiena, on rocky hillside. Pods flat, 8 to 10 cm long. Wild.

418804 and 418805. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

418804. 245. Ten km north of Antrodoca between L'Aquila and Perugia, rocky hillside. Elevation 500 m. Wild.

418803 to 418952—Continued**418804 to 418805—Continued**

418805. 323. On SS Road 523, 8 km south of Varese Ligure. Elevation 500 m. Wild.
418806. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.
275. On Route 70, 10 km north of Poppi. Elevation 550m. Wild.
418807. *FESTUCA* sp.
265. Pasubia, southeast slope of Mt. Spello. Elevation 800 m. Erect, 75 cm tall. Wild.
418808. *LATHYRUS* sp. Fabaceae.
285. Five km east of Vallombrosa in state forest area, moist and shady along mountain creek. Elevation 1,000 m. Wild.
418809. *LATHYRUS* sp.
294. On Route 523, 18 km south of Firenzoula. Elevation 800 m. Wild.
418810. *LATHYRUS* sp.
315. Ten km south of Bettola. Elevation 200 m. Wild.
418811. *LATHYRUS* sp.
329. On Route 523, 3 km north of Varese Ligure. Elevation 600 m. Plant viny. Stems 1 m or more. Flowers purplish red. Pods 7 to 8 cm. Wild.
- 418812 to 418818. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.
418812. 236. Ten km from Roccarosa, between Foggia and L'Aquila, in rocky pasture among pines. Elevation 1,000 m. Wild.
418813. 251. Between Posta and Leonessa. Elevation 600 m. Wild.
418814. 253. Five km west of Leonessa. Elevation 600 m. Prostrate. Narrow leaf type. Wild.
418815. 263. Pasubia, southeast slope of Mt. Spello. Elevation 800 m. Prostrate. Narrow leaf type. Wild.
418816. 266. On Route 72, 4 km south of Bibbiena, on rocky hillside. Wild.
418817. 312. Ten km south of Bettola. Elevation 200 m. Wild.
418818. 328. On Route 523, 3 km of Varese Ligure. Elevation 600 m. Wild.
418819. *LOTUS* sp.
271. On Route 70, 10 km north of Poppi. Elevation 550 m. Wild.
418820. *MEDICAGO LUPULINA* L. Fabaceae. Black medic.
313. Ten km south of Bettola. Elevation 200 m. Wild.
418821. *MEDICAGO ORBICULARIS* (L.) Bartal. Buttonclover.
225. Five km south of Isernai, in rocky pasture. Elevation 600 m. Wild.
418822. *ONOBRYCHIS* sp. Fabaceae.
232. Ten km north of Isernia, rocky permanent pasture. Elevation 800 m. Wild.
418823. *ORYZOPSIS MILIACEA* (L.) Aschers. & Schweinf. Poaceae. Smilgrass.
211. Fogge Forage Institute, Fogge. Perennial. Tolerant to shade. Cultivated.
418824. *PISUM* sp. Fabaceae.
226. Five km south of Isernai, in rocky pasture. Elevation 600 m. Black and green speckled seed. Wild.
418825. *PISUM* sp.
331. Five km south of Isernai, in rocky pastures. Elevation 600 m. Wild.

418803 to 418952—Continued

418826. TRIFOLIUM ALPESTRE L. Fabaceae. **Purple globe clover.**
250. Between Posta and Leonessa. Elevation 600 m. Wild.
- 418827 and 418828. TRIFOLIUM CANESCENS Willd.
418827. 300. Four km northwest of Firenzoula. Elevation 800 m. Wild.
418828. 303. Four km northwest of Firenzoula. Elevation 800 m. Wild.
418829. TRIFOLIUM PRATENSE L. **Red clover.**
339. On SS Road 523, 2 km north of Passo Cento Cressi. Elevation 950 m. Wild.
418830. TRIFOLIUM ANGUSTIFOLIUM L. **Clover**
229. Five km south of Isernai, in rocky pasture. Elevation 600 m. Wild.
418831. TRIFOLIUM INCARNATUM L. **Crimson clover**
272. Ten km north of Poppi, on Route 70. Elevation 550 m. Wild.
418832. TRIFOLIUM ARVENSE L. **Rabbitfoot clover.**
241. Five km north of Pampoli, between Foggia and L'Aquila. Wild.
- 418833 to 418836. TRIFOLIUM CAMPESTRE Schreb. **Large hop clover.**
418833. 214. On Highway 528, 7 km south of Umbra (forest center), Gargano area. Wild.
418834. 223. Five km south of Isernia, in rocky pasture. Elevation 600 m. Wild.
418835. 330. On Route 523, 3 km north of Varese Ligure. Elevation 600 m. Wild.
418836. 362. On SS Road 12, north of Lucca, kilometer 43. Wild.
418837. TRIFOLIUM CHERLERI L. **Clover**
215. On Route 528, 7 km south of Umbra (forest center), Gargano area. Wild.
- 418838 to 418841. TRIFOLIUM FRAGIFERUM L. **Strawberry clover.**
418838. 218. On Route 528, 7 km south of Umbra (forest center), Gargano area. Wild.
418839. 297. On Route 503, 5 km south of Firenzoula. Elevation 700 m. Wild.
418840. 342. ON SS Road 523, 2 km north of Passo Cento Cressi. Elevation 950 m. Wild.
418841. 357. On Route 445, 38 km northeast of Aulla. Elevation 350 m. Wild.
418842. TRIFOLIUM SCABRUM L. **Rough clover.**
238. Twenty km north of Roccarosa, between Foggia & L'Aquila. Elevation 600 m. Wild.
418843. TRIFOLIUM HELREICHIANUM Hausskn.
249. Between Posta and Leonessa. Elevation 600 m. Wild.
418844. TRIFOLIUM PRATENSE L. **Red clover.**
286. Five km east of Vallombrosa in state forest area, moist and shady area along mountain creek. Elevation 1,000 m. Wild.
- 418845 to 418849. TRIFOLIUM MEDIUM L. **Zigzag clover.**
418845. 288. On Route 523, 18 km south of Firenzoula. Elevation 800 m. Plant rhizomatous. Long, narrow leaflets with heavy mark in center. Stipules big. Wild.
418846. 316. Twelve km south of Bettola. Elevation 300 m. Plant branched, rhizomatous. Some leaves marked. Leaflets elongated. *T. pratense* type head. Wild.

418803 to 418952—Continued

418845 to 418849—Continued

418847. 322. Twelve km south of Bedonia, in natural meadow on rocky hillside at top of mountain pass. Elevation 1,400 m. Elongated leaflets, purple. Stipules long. Rhizomes large.

418848. 337. On SS Road 523, Passo Cento Cressi. Elevation 1,000 m. Wild.

418849. 353. On Route 445, 30 km northeast of Aulla. Elevation 300 m. Plant vigorous, rhizomatous. Leaflets elongated, large marks. Flower purple, stipules big. Wild.

418850. *TRIFOLIUM CANESCENS* Willd. Clover.

333. On SS Road 523, 11 km north of Varese Ligure, in native meadow on rocky hillside. Elevation 600 m. Plant tall, erect, very stemy. Stems 50 to 60 cm. Petioles long. Flowers pink to white. Wild.

418851. *TRIFOLIUM MONTANUM* L. Clover.

344. On SS Road 523, 7 km west of Berceto. Elevation 800 m. Plant tall, erect, rhizomatous. Stems 40 to 55 cm. Flowers white. Seedhead lax like white clover but smaller. Wild.

418852. *TRIFOLIUM REPENS* L. Fabaceae. White clover.

243. Ten km north of Antrodoco, rocky hillside. Elevation 500 m. This may be a mixture of *T. nigrescens* and *T. repens*. Wild.

418853. *TRIFOLIUM NIGRESCENS* Viv. Ball clover.

267. On Route 72, 4 km south of Bibbiena, on rocky hillside. Elevation 700 m. Wild.

418854 to 418856. *TRIFOLIUM HYBRIDUM* L. Alsike clover.

418854. 354. On Route 445, 3 km northeast of Aulla. Elevation 300 m. Plant semi-erect, annual, branching. Stems 30 to 40 cm. Leaflets round, serrated. Flowers pink. Seed olive green, deflexed two seeds per pod. Wild.

418855. 358. On Route 445, 38 km northeast of Aulla. Elevation 350 m. Plant semi-erect. Flowers small, pink. Seedhead lax. Wild.

418856. 361. On Route 445, 4 km east of Castlenuova which is northeast of La Spezia. Wild.

418857 to 4188861. *TRIFOLIUM NORICUM* Wulf.

418857. 233. Ten km from Roccaraso which is between Foggia and L'Aquila, in rocky pasture among pines. Elevation 1,000 m. Stems 30 to 50 cm. Leaflets narrow, oblong, slight pubescence. Flowers white. Stipules large.

418858. 252. Five km west of Leonessa. Elevation 600 m. Wild.

418859. 282. Five km east of Vallombrosa in state forest area moist and shady area along mountain creek. Elevation 1,000 m. wild.

418860. 298. On Route 503, 9 km south of Firenzoula. Elevation 900 to 1,000 m. Flowers white. Wild.

418861. 305. On Route 65, 12 km north of Petramela. Elevation 800 m. Plant erect, 40 cm tall, perennial. Seed head elongated, loose. Wild.

418862 to 418868. *TRIFOLIUM CANESCENS* Willd.

418862. 307. On Route 65, 12 km north of Petramela. Elevation 800 m. Red-tipped calyx. Wild.

418803 to 418952—Continued**418862 to 418868—Continued**

418863. 326. On Route 523, 3 km north of Verese Ligure. Elevation 600 m. Plant big, vigorous. Leaflets elongated, no marks. Flowers white. Stipules big. Wild.
418864. 327. On Route 523, 3 km north of Varese Ligure. Elevation 600 m. Plant 30 cm tall, less leafy than P.I. 418863. Flowers white. Wild.
418865. 334. On SS Road 523, 11 km north of Varese Ligure, native meadow on rocky hillside. Elevation 600 m. Wild.
418866. 335. On SS Road 523, 11 km north of Varese Ligure, native meadow on rocky hillside. Elevation 600 m. Wild.
418867. 338. On SS Road 523, 2 km north of Passo Cento Gressi. Elevation 950 m. Wild.
418868. 345. On SS Road 523, 2 km north of Passo Cento Cressi. Elevation 950 m. Wild.
418869. TRIFOLIUM NORICUM Wulf.
356. On Route 445, 38 km northeast of Aulla. Elevation 350 m. Flowers white. Wild.
418870. TRIFOLIUM HYBRIDUM L. Alsike clover.
.261. Pasubia, southeast slope of Mt. Spello. Elevation 800 m. Wild.
- 418871 to 418899. TRIFOLIUM PRATENSE L. Red clover.
418871. 212. On Route 528, 12 km south of Umbra (forest center), in Gargano area. Elevation 600 m. Plant pubescent, decumbent. Sample of plants with variation of leaf mark. Wild.
418872. 219. On Route 528, 3 km south of Umbra (forest center), in Gargano area. Susceptible to mildew. Wild.
418873. 221. Enroute to Vieste, 4 km east of Umbra (forest center), Gargano area. Plant glabrous, susceptible to mildew. Wild.
418874. 222. Five km south of Isernia, rocky pasture area. Elevation 600 m. Plant decumbent 40-50 cm, glabrous, susceptible to mildew. Wild.
418875. 230. Ten km north of Isernia, in rocky, permanent pasture. Elevation 800 m. Glabrous. Wild.
418876. 235. Ten km from Roccaraso between Foggia and L'Aquila. Elevation 600 m. Wild.
418877. 242. Three km north of Antrodoco, along roadside. Elevation 500 m. Wild.
418878. 244. Ten km north of Antrodoco, rocky hillside. Elevation 500 m. Wild.
418879. 248. In a meadow between Posta and Leonessa. Elevation 600 m. Wild.
418880. 254. Twenty km north of Leonessa. Elevation 500 m. Wild.
418881. 257. Twenty km south of Terni. Elevation 600 m. Wild.
418882. 259. Twenty km south of Terni. Elevation 600 m. Wild.
418883. 264. Pasubia, southeast slope of Mt. Spello. Elevation 800 m. Wild.
418884. 276. On Route 70, 10 km north of Poppi. Elevation 550 m. Wild.
418885. 278. On Route 70, 19 km north of Poppi. Elevation 750 m. Wild.

418803 to 418952—Continued**418871 to 418899—Continued**

418886. 283. Five km east of Vallombrosa in state forest area, moist and shady along mountain creek. Wild.
418887. 287. On Route 523, 18 km south of Firenzoula, moist hillside. Elevation 800 m. Wild.
418888. 289. On Route 523, 18 km south of Firenzoula. Elevation 800 m. Plant nonpubescent. Leaves ovate, big. Wild.
418889. 296. On Route 503, 5 km south of Firenzoula. Elevation 700 m. Wild.
418890. 299. Four km northwest of Firenzoula. Elevation 800 m. Wild.
418891. 308. On Route 65, 12 km north of Petramela. Elevation 800 m. Flowers pink. Wild.
418892. 309. On Route 65, 12 km north of Petramela. Elevation 800 m. Wild.
418893. 320. Forty km south of Bettola. Wild.
418894. 321. Twelve km south of Bedonia, top of mountain pass. Elevation 1,400 m. Flowers white. Wild.
418895. 340. On SS Road 523, 2 km north of Passo Cento Cressi. Elevation 950 m. Wild.
418896. 341. On SS Road 523, 2 km north of Passo Cento Cressi. Elevation 950 m. Wild.
418897. 346. On SS Road 523, 7 km west of Berceto. Elevation 800 m. Wild.
418898. 347. On SS Road 523, 7 km west of Berceto. Elevation 800 m. Wild.
418899. 355. On Route 445, 38 km northeast of Aulla, in meadow. Elevation 350 m. Glabrous. Mixture. Wild.
- 418900 and 418901. *TRIFOLIUM PURPUREUM* Loisel.
418900. 279. On Route 70, 19 km north of Poppi. Elevation 750 m. Wild.
418901. 295. On Route 423, 18 km south of Firenzoula. Elevation 800 m. Wild.
- 418902 to 418918. *TRIFOLIUM REPENS* L. **White clover.**
418902. 213. On Route 528, 12 km south of Umbra (forest center), Gargano area. Elevation 600 m. Wild.
418903. 216. On Route 528, 7 km south of Umbra (forest center), Gargano area. Wild.
418904. 220. On Route 528, 3 km south of Umbra (forest center), Gargano area. Wild.
418905. 224. Five km south of Isernia, rocky pasture. Elevation 600 m. Wild.
418906. 231. Ten km north of Isernia, rocky permanent pasture. Elevation 800 m. Wild.
418907. 234. Ten km from Roccaraso (between Foggia and L'Aquila), rocky pasture among pines. Elevation 1,000 m. Wild.
418908. 246. Ten km north of Antrodoco, rocky hillside. Elevation 500 m. Wild.
418909. 255. Twenty km north of Leonessa. Elevation 500 m. Wild.
418910. 258. Twenty km south of Terni. Elevation 600 m. Wild.
418911. 262. Pasubia, southeast slope of Mt. Spello. Elevation 800 m. Wild.
418912. 281. On Route 70, 19 km north of Poppi. Elevation 750 m. Wild.

418803 to 418952—Continued**418902 to 418918—Continued**

418913. 290. On Route 523, 18 km south of Firenzoula. Elevation 800 m. Wild.
418914. 306. On Route 65, 12 km north of Petramela. Elevation 800 m. Large. Wild.
418915. 311. Ten km south of Bettola. Elevation 200 m. Ladino type. Wild.
418916. 319. Forty km south of Bettola. Wild.
418917. 336. On SS Road 523, 11 km north of Varese Ligure, native meadow on rocky hillside. Elevation 600 m. Dwarf. Wild.
418918. 359. On Route 445, 1 km east of Passo, 45 km northeast of Aulla. Elevation 820 m. Wild.
418919. TRIFOLIUM PRATENSE L. Red clover.
343. On SS Route 523, 5 km west of Berceto. Wild.
418920. TRIFOLIUM TOMENTOSUM L. Woolly clover.
217. On Route 528, 7 km south of Umbra (Forest center), Gargano area. Wild.
418921. TRIFOLIUM PHLEOIDES Pourr. ex Willd.
237. Twenty km north of Roccaraso, between Foggia and L'Aquila. Elevation 600 m. Plant short, 10 cm tall, annual. Wild.
418922. TRIFOLIUM STELLATUM L.
247. Ten km north of Antrodoco, rocky hillside. Elevation 500 m. Wild.
418923. TRIFOLIUM sp.
268. Four km south of Biddiena, on Route 72, on rocky slope. Plant very branching. Leaflets oblong. Stipules long. Wild.
418924. TRIFOLIUM ALEXANDRINUM L.
269. Four km south of Biddiena, on Route 72, on rocky hillside. Plant semi-erect, annual. Stems 40 cm. Flowers pink. Spiny burr seedhead. Wild.
418925. TRIFOLIUM SQUARROSUM L.
277. On Highway 70, 19 km north of Poppi. Elevation 750 m. Large, elongated leaflets. Wild.
418926. TRIFOLIUM sp.
284. Five km east of Vallombrosa in state forest area, moist and shady area along mountain creek. Elevation 1,000 m. Wild.
418927. TRIFOLIUM sp.
291. On Route 523, 18 km south of Firenzoula. Elevation 800 m. Wild.
418928. TRIFOLIUM CANESCENS Willd.
301. Four km northwest of Firenzoula. Elevation 800 m. Elongated leaflets. Wild.
418929. TRIFOLIUM CANESCENS Willd.
304. Four km northwest of Firenzoula. Elevation 800 m. Plant erect, perennial. Stems 30 cm. Flowers pink to red. Wild.
- 418930 and 418931. TRIFOLIUM MEDIUM L. Zigzag clover.
418930. 310. On SS Route 65, 26 km south of Bologna. Plant short, rhizomatous. Leaflets elongated. Flowers purple. Stipules long. Seed green, immature. Wild.

418803 to 418952—Continued**418930 to 418931—Continued**

418931. 324. On Route 523, 3 km north of Varese Ligure. Elevation 600 m. Plant erect, branching, perennial, rhizomatous. Leaflets elongated with distinct mark. Wild.

418932 to 418934. TRIFOLIUM CANESCENS Willd.

418932. 325. On Route 523, 3 km north of Varese Ligure. Elevation 600 m. Plant erect, perennial. Stems 25 cm, pubescent. *T. pratense* type head, but long stipules. Taprooted. Wild.

418933. 332. On SS Road 523, 7 km north of Varese Ligure, on dry hillside. Elevation 600 m. Perennial. *T. pratense* type head, elongated leaflets. Seed yellow. Taprooted. Wild.

418934. 348. On SS Road 523, 7 km west of Berceto. Elevation 800 m. Spiny seedhead. Wild.

418935. TRIFOLIUM sp.

351. One km south of La Cisa Passo. Elevation 1020 m. Plant rhizomatous, perennial. Flowers red. Wild.

418936. TRIFOLIUM PRATENSE L.**Red clover.**

352. One km south of La Cise Passo. Elevation 1020 m. Plant rhizomatous, perennial. Flowers red. Wild.

418937 and 418938. VICIA PANNONICA Crantz Fabaceae. Hungarian vetch.

418937. 260. Twenty km south of Terni. Elevation 600 m. Wild.

418938. 280. On Route 70, 19 km north of Poppi. Elevation 750 m. Wild.

418939 to 418941. VICIA SATIVA L.**Common vetch.**

418939. 227. Five km south of Isernai, in rocky pasture. Elevation 600 m. Wild.

418940. 228. Five km south of Isernai, rocky pasture. Elevation 600 m. Wild.

418941. 240. Twenty km north of Roccaraso, between Foggia and L'Aquila. Elevation 600 m. Wild.

418942 and 418943. VICIA SATIVA subsp. NIGRA (L.) Ehrh.**Blackpod vetch.**

418942. 292. On Route 523, 18 km south of Firenzoula. Elevation 800 m. Wild.

418943. 293. On Route 523, 18 km south of Firenzoula. Elevation 800 m. Wild.

418944 to 418948. VICIA VILLOSA Roth**Hairy vetch.**

418944. 239. Twenty km north of Roccaraso, between Foggia and L'Aquila. Elevation 600 m. Wild.

418945. 256. Twenty km north of Leonessa. Elevation 500 m. Wild.

418946. 273. On Route 70, 10 km north of Poppi. Elevation 550 m. Wild.

418947. 274. On Route 70, 10 km north of Poppi. Elevation 550 m. Wild.

418948. 318. Twelve km south of Bettola. Elevation 300 m. Seedpods flat, straw color, 2 seeds per pod. Wild.

418949. VICIA sp.

302. Four km northwest of Firenzoula. Elevation 800 m. Wild.

418950. VICIA sp.

314. Ten km south of Bettola. Elevation 200 m. Wild.

418951. VICIA sp.

317. Twelve km south of Bettola. Elevation 300 m. Wild.

418803 to 418952—Continued

418952. Undetermined Fabaceae.

360. On Route 445, 1 km east of Passo, 45 km northeast of Aulla. Elevation 820 m. Plant semi-erect, 15 cm tall. Seedpod flat, pubescent, 3 cm long. Wild.

418953 to 418980.

From People's Republic of China. Seed presented by Shen-si Academy of Agriculture, Vegetable Institute, Wukun, Shen-si Province. Numbered September 8, 1977.

418953. *ALLIUM FISTULOSUM* L. Amaryllidaceae. Welsh onion.

'Chih shui Kua'. Plant tall, no tillering, white. High yield.

418954. *ALLIUM SCHOENOPRASUM* L. Chives.

'Han Chung'. Large leaf blades, good quality, early spring germination, high yield, persistent, cold tolerant.

418955. *APIUM GRAVEOLENS* L. var. *DULCE* (Mill.) Pers. Apiaceae. Celery.

Green, crisp, good tasting. Planted spring, summer, and fall.

418956. *BRASSICA JUNCEA* (L.) Czern. & Coss. Brassicaceae. Mustard greens.

'Chung Pu Lao'. Large leafed, late flowering, extended harvest, fall planted, high yielding.

418957 to 418959. *BRASSICA PERKINENSIS* (Lour.) Rupr. Chinese cabbage.

418957. '5241'. Late maturing. Resistant to downy mildew and bacterial soft rot. Storage type.

418958. 'Se-an Chi-Ma yeh'. Matures 95 days. Tight head, good quality, high yield.

418959. 'Shih-te #1'. Midseason, early heading. Good quality and yield.

418960. *CAPSICUM* sp. Solanaceae.

'Northwest Agriculture College #20'. Fruit red, about 14 cm long, very hot. Suitable for drying.

418961. *CAPSICUM* sp.

'Yao Hsian'. Fruit red, elongated, hot. Late maturing. Uniform fruit set, good for drying.

418962 to 418964. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.

418962. '74-18'. High yield. Resistant to downy mildew and *Fusarium* wilt.

418963. '151'. Vine long, few branches. Fruit short. Mid-to-late maturity. Resistant to downy mildew.

418964. '732'. Fruit elongated. Midseason. Resistant to downy and powdery mildews.

418965. *CCUCURBITA PEPO* L. Cucurbitaceae. Pumpkin.

'Sui-De-Fu'. Fruit round, sweet. Midseason.

418966. *CUCURBITA PEPO* L. Summer squash.

'Hua Yeh' Calabash. Bush small, short internodes. Fruit green, flat, round. Early maturity, high yield.

418967. *DAUCUS CAROTA* subsp. *SATIVUS* (Hoffm.) Arcang. Apiaceae. Carrot.

'Sian, Chi-Tou'. Roots red, 16 cm long, 3 cm diameter. Good quality.

418968 and 418969. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.

418953 to 418980—Continued**418968 and 418969—Continued**

418968. 'Hemg Nu Hsing' (red ox heart). Fruit red, good quality. Late maturity, high yield. Bush type.
418969. 'Taiwan Red'. Fruit red, uniform, large. Late maturity. Bush type.
418970. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.
'Honan Flesh'. French kidney type. Pods large. High yield, long season, spring or fall planted.
418971. *PISUM SATIVUM* L. Fabaceae. Garden pea.
'Kuangting'. Sugar type, pods large, tall, thick fleshed, nonfibrous, good quality.
- 418972 to 418974. *RAPHANUS SATIVUS* L. Brassicaceae. Radish.
418972. 'Kuo-kuan #1'. Roots white, long, 2 to 2.5 kg each. Fall planted, matures 100 days.
418973. 'Kuo Tou Kuan'. Winter radish. Foliage large. Root large, doghead shaped.
418974. 'Northwest Agricultural College Radish'. Root white, large, 33 to 53 cm long, 10 to 13 cm diameter. High yield.
- 418975 to 418977. *SOLANUM MELONGENA* L. Solanaceae. Eggplant.
418975. 'Ai Tsao #4'. Fruit short, many purple. Very early maturity, high yield.
418976. 'Chu Si'. Fruit soft fleshed, elongated. Midseason, high yield. Resistant to *Phomopsis vexans*.
418977. 'Si-an Big Round'. Fruit round, purple, good quality. Late maturity. Resistant to *Phomopsis vexans*.
418978. *SPINACIA OLERACEA* L. Chenopodiaceae. Spinach.
'Chung Pu Lao'. Large leaf blade, late bolting, high yield.
- 418979 and 418980. *VIGNA UNGUICULATA* subsp. *SESQUIPEDALIS* (L.) Verdc.
Fabaceae. Yard-long bean.
418979. 'Han Chui Yen'. Pods 50 to 60 cm long, thick fleshed, small leafed. Midseason, high yield, heat tolerant.
418980. 'Lo Chien Tai'. Pods 50 to 70 cm long, good quality. Mid-to late maturity, good yield.

418981 to 419006.

From People's Republic of China. Seed presented by Department of Agriculture, Canton Station, Vegetable Seeds Division, Canton. Numbered September 9, 1977.

418981. *ALLIUM AMPELOPRASUM* L. Amaryllidaceae. Leek.
418982. *BENINCASA HISPIDA* (Thunb.) Cogn. Cucurbitaceae. Waxgourd.
Green skinned. Long, round cylinder shaped.
- 418983 to 418988. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae. Cabbage.
418983. Early maturing.
418984. Midseason maturing.
418985. Late maturing.
418986. Leaves dark green. Early maturing.

418981 to 419006—Continued**418983 to 418988—Continued**

418987. Leaves black. Early maturing.
418988. F₁.
418989. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**
Early maturing. Cold tolerant.
418990. *LACTUCA SATIVA* L. Asteraceae. **Lettuce.**
Leaves clumped.
- 418991 to 418995. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
418991. 'No. 2'. Fruit pink. Early maturing.
418992. 'No. 12'. Fruit pink, large.
418993. 'No. 13'. Fruit pink, large and small.
418994. Fruit reddish yellow, large, round.
418995. Fruit small, pink when mature.
418996. *MOMORDICA CHARANTIA* L. Cucurbitaceae. **Balsam-pear.**
Short, cone shaped.
- 418997 and 418998. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**
418997. Seeds large, flat.
418998. 'Tsing ton'. Seeds black.
418999. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**
Roots white, thick skinned. Midseason maturity.
- 419000 to 419003. *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**
419000. 'No. 1'. F₁. Fruit 28 cm long. Fruit and leaves purplish red.
419001. 'No. 4'. F₁. Fruit and leaves purplish red.
419002. 'No. 5'. F₂. Fruit 24 cm long, 5.5 cm diameter, purplish red.
419003. 'No 6'. F₁. Leaves purplish green.
419004. *SPINACIA OLERACEA* L. Chenopodiaceae. **Spinach.**
Late maturing. Cold tolerant.
419005. *VIGNA UNGUICULATA* (L.) Walp. Fabaceae.
Early maturing.
419006. *VIGNA UNGUICULATA* subsp. *SESQUIPEDALIS* (L.) Verdc. Fabaceae. **Yard-long bean.**
Small-flowered chitterling bean.

419007 to 419014.

From People's Republic of China. Seed presented by Shun-Tung Agricultural University, Garden Department, Tai-An, Shun-tung. Numbered September 9, 1977.

419007. *BRASSICA PEKINENSIS* (Lour.) Rupr. Brassicaceae. **Chinese cabbage.**
'Tai-an' (green sprout). Matures in 90 days, stores well. Good adaptability, forest resistant.
419008. *CAPSICUM ANNUUM* L. Solanaceae. **Pepper.**
'#202'. Plant 50 cm tall. Fruit lantern-shaped, thin-meated, sweet.
- 419009 and 419010. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**
419009. 'Lin-yang' (Bristle). Large, thorned, very frost resistant.

419007 to 419014—Continued

419009 to 419010—Continued

419010. 'Tai-shan #1'. (F₁). Early maturity, good yield.
- 419011 to 419013. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
419011. '#220'. Fruit red. Early maturity, cold resistant.
419012. 'Tai-Shan #1'. (F₁). Fruit small, red. Early maturity, good yield, high plant density.
419013. 'Tai-Shan #3'. (F₁). Plant medium size. Fruit red. Early maturity, good yield.
419014. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**
'Tai-an, Shih-eng'. Plant small. Fruit long, cylinder shaped, red. Seeds small. Spring type.

419015 to 419020.

From People's Republic of China. Seed presented by Agricultural Station, West District, Chi-Nan. Numbered September 9, 1977.

- 419015 and 419016. *BENINCASA HISPIDA* (Thunb.) Cogn. Cucurbitaceae. **Waxgourd.**
419015. Large, winter melon, powdery white skin. Matures in August.
419016. Skin green. Early planting, matures in August.
419017. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**
F₁, selfed. Fruit long, green. Long season, disease and heat resistant.
419018. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae. **Singkwa towelgourd.**
'Chi-Nan'. (F₁). Sweet and juicy.
419019. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**
'Tung-hsiu #1'. Pod long. Originally from Peking.
419020. *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**
F₁, selfed. Fruit black purple. Heat resistant.

419021 to 419035.

From People's Republic of China. Seed presented by Vegetable Research and Development Center, Shun-tung Province. Numbered September 9, 1977.

- 419021 to 419028. *BRASSICA PEKINENSIS* (Lour.) Rupr. Brassicaceae. **Chinese cabbage**
419021. 'Chi-chu, Ching-maio'. Matures 85 to 90 days.
419022. 'Ching-yeh'. F₁. Originally from Tsing-tou Agricultural Experiment Station. Disease resistant, stores well.
419023. 'Ching-yeh, Tsao-feng'. Originally from Tsing-tou Agricultural Experiment Station. Early maturity.
419024. 'Fu-sun, Pao-tou'. Adapted to coastal areas, stores well, yield good.
419025. 'Lo-chow, Lo-shen'.
419026. 'Shun-tung #1'. F₁. Matures 85 to 90 days. Uniform growth, high yield, disease resistant.
419027. 'Shun-tung #2'. Early maturity (75 to 80 days). Uniform growth, disease resistant.

419021 to 419035—Continued**419021 to 419035—Continued**

419028. 'Tien-tsin' (green). Matures 90 days. Disease resistant, stores well.
419029. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
'Lu-Fen #1'. Fruit pink. High yield, disease resistant.
- 419030 to 419034. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**
419030. 'Chi-yeh #2'. F₁. Crispy.
419031. 'Chi-yeh #3'. F₁. Crispy, sweet. Stores well.
419032. 'Chi-yeh #5'. F₁. Matures 80 to 90 days. High yield, disease resistant, stores well.
419033. 'Mei-Shang' (green). From Mei-fan. Leaves feather shaped Crispy, sweet. Plant mid-August.
419034. 'Tsao-chuang' (red robe). Leaves vertical, feather shaped. Plant early August, stores well.
419035. *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**
'Chi-nan'. Plant to 120 cm tall. Fruit purple black. Fruits from early April to mid-October.

419036 to 419054.

From People's Republic of China. Seed presented by Agricultural College, Hangchow. Numbered September 9, 1977.

419036. *BRASSICA CAMPESTRIS* L. Brassicaceae. **Birdrape.**
'Tsao Yutunri'. Heat tolerant.
- 419037 and 419038. *BRASSICA PEKINENSIS* (Lour.) Rupr. Brassicaceae. **Chinese cabbage.**
419037. 'Tsaopa'. Early maturing. Tolerant to heat and adverse weather conditions.
419038. No data known.
419039. *CAPSICUM FRUTESCENS* L. Solanaceae. **Chili pepper.**
'Hsiao Yang Chiao'. Fruit long. Cold tolerant.
- 419040 and 419041. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**
419040. 'Hangchow Ching Pi'.
419041. 'Honcho Tsinpi'. 1 'Yangan'.
419042. *DAUCUS CAROTA* subsp. *SATIVUS* (Hoffm.) Arcang. Apiaceae. **Carrot.**
'Hong Ting Hsian'.
- 419043 and 419044. *GLYCINE MAX* (L.) Merr. Fabaceae. **Soybean.**
419043. 'Liyipa'. Early and mid-maturing.
419044. 'Whisian'. Late maturing.
419045. *LUFFA AEGYPTIACA* Mill. Cucurbitaceae. **Vegetable sponge.**
'Changsiqua'. Heat tolerant.
- 419046 to 419048. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
419046. 'Chihong No.1'.
419047. 'Chikiang 101'.
419048. '22-66' 1 'Peking Tsaohong'.
- 419049 to 419053. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**

419036 to 419054—Continued**419049 to 419053—Continued**

419049. 'Chianchiao'. Roots red. Very cold tolerant.

419050. 'Chihua'. Very cold tolerant.

419051. 'Chitachang'.

419052. 'Goe lai'. Roots white. Matures 60 to 80 days.

419053. 'Yitianhong'.

419054. SOLANUM MELONGENA L. Solanaceae.

Eggplant.

Fruit red.

419055 to 419102.

From People's Republic of China. Seed presented by Vegetable Institute,
Agricultural College, Peking. Numbered September 9, 1977.

419055. ALLIUM CEPA L. Amaryllidaceae.

Onion.

'Hwang Pi'.

419056. ALLIUM TUBEROSUM Rottl. ex Spreng.

Chinese chives.

'Hwang Miao'.

419057. AMARANTHUS sp. Amaranthaceae.

'Red Amaranth'.

419058 and 419059. BASELLA ALBA L. Basellaceae.

Vine-spinach.

419058. 'Green'.

419059. 'Red'.

419060 to 419062. BENINCASA HISPIDA (Thunb.) Cogn. Cucurbitaceae. Waxgourd.

419060. 'Che Tou'.

419061. 'Ching Pi'.

419062. Received as *B. hispida* var. *chieh-qua*.

419063. BRASSICA CAMPESTRIS L. Brassicaceae.

Birdrape.

'Pei Pong'.

419064. BRASSICA OLERACEA var. BOTRYTIS L.

Cauliflower.

'Swiss Hsui Chiu'.

419065 to 419067. BRASSICA OLERACEA var. CAPITATA L.

Cabbage.

419065. 'Chueng Tsa 2'. F₁.419066. 'Chueng Tsa 5'. F₁.419067. 'Pao Chueng'. F₁.

419068 to 419074. BRASSICA PEKINENSIS (Lour.) Rupr.

Chinese cabbage.

419068. 'Ching Kuei 169'. F₁. 419072. 'Hsiao Pai Kuo'.419069. 'Ching Pao 26'. F₁. 419073. 'Pao Tou Ching'.419070. 'Fan Hsing Hwang'. 419074. 'Piyu'. F₁.

419071. 'Hsiao Ching Kuo'.

419075. CAPSICUM ANNUUM L. Solanaceae.

'Chie Meng'.

419076. CICHORIUM ENDIVIA L. Asteraceae.

Endive.

'Hua Yie Sheng Tsai'.

419077 to 419079. CUCUMIS SATIVUS L. Cucurbitaceae.

Cucumber.

419077. 'Chang Ching'. F₁.

419055 to 419102—Continued**419077 to 419079—Continued**

419078. 'Ching Yian 1'.
 419079. 'Si Hua Ching'.
 419080 and 419081. CUCURBITA MAXIMA Duch. Cucurbitaceae. Winter squash.
 419080. 'Hong Pi'.
 419081. 'Pai Yu'.
 419082 and 419083. CUCURBITA MOSCHATA (Duch.) ex Poir. Squash.
 419082. 'Hsian Pi Tsi'.
 419083. 'Mou Pan'.
 419084. DAUCUS CAROTA subsp. SATIVUS (Hoffm.) Arcang. Apiaceae. Carrot.
 'Red carrot'.
 419085 and 419086. DOLICHOS LABLAB L. Fabaceae. Hyacinth bean.
 419085. 'Ta Lu Ying'.
 419086. 'Tsi Pian Lu Ying'.
 419087. IPOMOEA AQUATICA Forsk. Convolvulaceae. Swamp morningglory.
 419088. LACTUCA AUGUSTANT All. Asteraceae.
 'Tsiyie' (purple leaf).
 419089 and 419090. LAGENARIA SICERARIA (Mol.) Standl. Cucurbitaceae.
 White-flowered gourd.
 419089. 'Chang Kua Kua'.
 419090. 'Ta Hu Lu'.
 419091. LUFFA AEGYPTIACA Mill. Cucurbitaceae. Vegetable sponge.
 'Pang Si Kua'.
 419092 to 419094. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.
 419092. 'Nong Ta 23'.
 419093. 'Nong Ta 24'.
 419094. 'Ta Hwang 1'.
 419095 to 419098. PHASEOLUS VULGARIS L. Fabaceae. Common bean.
 419095. '66-13'. 419097. 'Ching Tao Chia Tuo'.
 419096. 'Bumper Harvest #1'. 419098. 'Nueng Chia'.
 419099. PISUM SATIVUM L. Fabaceae. Garden pea.
 'Lu Chu' (green pearl).
 419100. RAPHANUS SATIVUS L. Brassicaceae. Radish.
 Lu Pa Feng.
 419101 and 419102. VIGNA UNGUICULATA subsp. SESQUIPEDALIS (L.)
 Verdc. Fabaceae. Yard-long bean.
 419101. 'Hpng Tsuei Yian'.
 419102. '28 Seeds'.

419103 to 419120.

From People's Republic of China. Seed presented by Chinese Association of Agriculture and Forestry, Four-Seasons Subdivision, Peking. Numbered September 9, 1977.

419103. ALLIUM CEPA L. Amaryllidaceae. Onion.
 'Yang tsung tzu'.

419103 to 419120—Continued

419104. *BRASSICA OLERACEA* L. Brassicaceae. Wild cabbage.
 'Chung shu, Chieh chu, Ching Feng, Kan nan'. F₁.
- 419105 and 419106. *BRASSICA PEKINENSIS* (Lour.) Rupr. Chinese cabbage.
 419105. 'Peking Hsiao tsing kou'.
 419106. 'Pao tou tsing'.
419107. *CAPSICUM ANNUM* L. Solanaceae. Pepper.
 'Wan pa'.
419108. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.
 'Peking Mi tzu, Chang tiao kua #11'. F₁.
- 419109 and 419110. *DAUCUS CAROTA* subsp. *SATIVUS* (Hoffm.) Arcang. Apiaceae. Carrot.
 419109. 'Huang pi, hu lo pu' (yellow skin carrot).
 419110. 'Pien kan hung' (red).
- 419111 to 419113. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
 419111. 'Peking fen #1. Early maturity.
 419112. 'Peking fen #2'. F₁. Early maturity.
 419113. 'Peking fen 76012'. F₁. Early maturity.
- 419114 and 419115. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.
 419114. 'Ai shen tsai ton'.
 419115. 'Chia tou #4'.
- 419116 to 419120. *SOLANUM MELONGENA* L. Solanaceae. Eggplant.
 419116. 'Chieh men'.
 419117. 'Chien yeh chieh' (nine leaves).
 419118. 'Chi yeh chieh tzu' (seven leaves).
 419119. 'Peking 75020'. Fruit purple, round. Early and mid maturity.
 419120. 'Peking 6'. F₁. Fruit purple, round. Early maturity.

419121 to 419169.

- From People's Republic of China. Seed presented by Scientific Research Station,
 Hsuan Wu Lake Commune, Kwangsu Province. Numbered September 9, 1977.
419121. *AMARANTHUS TRICOLOR* L. Amaranthaceae. Chinese amaranth.
419122. *APIUM GRAVEOLENS* L. var. *DULCE* (Mill.) Pers. Apiaceae. Celery.
 'Tiganching'.
- 419123 and 419124. *BENINCASA HISPIDA* (Thunb.) Cogn. Cucurbitaceae. Waxgourd.
 419123. 'Chijua'.
 419124. 'Chinpi'.
- 419125 and 419126. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae. Cabbage.
 419125. 'Cheng quang'.
 419126. 'Pao Tsai 751'.
- 419127 to 419131. *BRASSICA PEKINENSIS* (Lour.) Rupr. Chinese cabbage.
 419127. 'Aichiao Hwang'.

419121 to 419169—Continued**419127 to 419131—Continued**

419128. 'Hsiao Ching Tsai'. 1 'Tuan'. F₁.
 419129. 'Kaokeng Paikiantasai'.
 419130. 'Yu 25'.
 419131. '7419'.
 419132. CAPSICUM sp. Solanaceae.
 'Nanking Tsao' (early).
 419133. CAPSICUM sp.
 'Ning Feng' (high yield).
 419134. CAPSICUM sp.
 'Yang chiao' (sheep horn).
 419135 and 419136. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.
 419135. 'Nanking Tsao' (early).
 419136. 'Nanking Tsi 7556' (spined).
 419137 to 419139. CUCURBITA MAXIMA Duch. Cucurbitaceae. Winter squash.
 419137. Sweet type.
 419138. Summer type.
 419139. Sugar type. Seeds white.
 419140. LACTUCA SATIVA L. Asteraceae. Lettuce.
 Asparagus type.
 419141. LUFFA AEGYPTIACA Mill. Cucurbitaceae. Vegetable sponge.
 Snake type.
 419142 to 419149. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.
 419142. 'Aichi Tahong'.
 419143. 'Chiali Aichong'. Fruit red, short.
 419144. 'Chiali Changhung'.
 419145. 'Sukong, Tsao Feng'. Early maturing, high yield.
 419146. 'Tahong'.
 419147. 'Tsao' 1 'Chiu'. F₁.
 419148. 'Tsao' 1 'Ku'.
 419149. 'Tsao' 1 'Tai'.
 419150 and 419151. PHASEOLUS VULGARIS L. Fabaceae. Common bean.
 419150. 'Aisheng'. French type.
 419151. 'Paitsi'. French type.
 419152 to 419156. RAPHANUS SATIVUS L. Brassicaceae. Radish.
 419152. 'Chuan Hsin Hong'.
 419153. 'Chung Chiu Hong 762'.
 419154. 'Chu Tsuai Hong'.
 419155. 'Ta Ching Pi'.
 419156. 'Yang Hua 509'.
 419157 to 419161. SOLANUM MELONGENA L. Solanaceae. Eggplant.
 419157. 'Chang Chia'. Fruit long.
 419158. 'Muo (black) chia'.

419121 to 419169—Continued

419157 to 419161—Continued

- 419159. 'Su Chang chia'. F₁.
- 419160. 'Su Muo chia'. F₁.
- 419161. 'Teng (light) Pao chia'.

419162. SPINACIA OLERACEA L. Chenopodiaceae. Spinach.

419163 to 419169. VIGNA UNGUICULATA subsp. SESQUIPEDALIS (L.) Verdc. Fabaceae. Yard-long bean.

- 419163. 'Ching'. 419167. 'Yi Tian Hong 755'.
- 419164. 'Tsi Chian 7513'. 419168. 'Yi Tian Hong 757'.
- 419165. 'Yi Tian Hong 752'. 419169. '65'.
- 419166. 'Yi Tian Hong 753'.

419170 to 419200.

From People's Republic of China. Seed presented by Department of Agriculture, Shanghai. Numbered September 9, 1977.

419170 and 419171. BENINCASA HISPIDA (Thunb.) Cogn. Cucurbitaceae. Waxgourd.

- 419170. Skin green. Early maturity. Local name "Little Green Winter Melon".
- 419171. White, waxy bloom. Local name "Dotted Green Winter Melon".

419172 to 419179. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae. Cabbage.

- 419172. 'Chu Feng'. Planted in fall.
- 419173. 'Chun Feng 1'. Planted in spring.
- 419174. 'Chun Feng 2'. Planted in spring.
- 419175. 'Hsia Feng'. Plant in summer, early maturity.
- 419176. 'Hsin Ping Tou'. Planted in fall, early maturity.
- 419177. 'Hsin Tsao Chu'. Planted in fall, early, maturity.
- 419178. 'Pek-Yang Ping Tou'. Planted in spring and fall.
- 419179. 'Yeh Shao Ping Tou'. Planted all seasons, early maturity.

419180. BRASSICA RAPA L. Turnip.
'Chang Tan Chiang Tsai'.

419181. CAPSICUM ANNUM L. Solanaceae. Pepper.
Local name "Shanghai Pepper". Sweet.

419182 and 419183. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.

- 419182. Local name "Shanghai Cucumber". Early maturity.
- 419183. 'Yang Hsing'. Early maturity.

419184. DAUCUS CAROTA Subsp. SATIVUS (Hoffm.) Arcang. Apiaceae. Carrot.
'Pan Te Hung'. Planted in fall.

419185 to 419194. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

- 419185. 'Peking Tsao Hung'. Early maturity.
- 419186. 'Pu Hung 1'. Early maturity.
- 419187. 'Pu Hung 2'. Midseason.
- 419188. 'Pu Hung 3'. Late maturity.
- 419189. 'Pu Hung 4'. Late maturity.
- 419190. 'Pu Hung 5'. Midseason.

419170 to 419200—Continued**419185 to 419194—Continued**

419191. 'Pu Hung 6'. Midseason.

419192. 'Pu Hung 7'. Midseason.

419193. 'Pu Hung 8'. Midseason.

419194. 'Pu Hung 9'. Late maturity.

419195 to 419197. *PHASEOLUS VULGARIS* L. Fabaceae.

Common bean.

419195. 'Ching-tao'. Viny. Pod oval.

419196. 'Hung-Hua'. Viny. Pod oval.

419197. 'Shanghai'. Viny. Pod round.

419198. *SOLANUM MELONGENA* L. Solanaceae.

Eggplant.

'Tsu Yang'. Fruit long. Midseason.

419199 and 419200. *VIGNA UNGUICULATA* subsp. *SESQUIPEDALIS* (L.) Verdc.

Fabaceae.

Yard-long bean.

419199. 'Hung'. Seed red.

419200. 'Hung Cho Yang'.

419201 to 419205

From People's Republic of China. Seed collected by A. E. Kehr, National Program Staff, Northeastern Region, Agricultural Research Service, Beltsville, Maryland. Numbered September 9, 1977.

419201. *ALLIUM SATIVUM* L. Amaryllidaceae.

Garlic.

Purchased in a market, Shanghai.

419202. *CUCURBITA PEPO* L. Cucurbitaceae.

Pumpkin.

Purchased in a vegetable market, Canton.

419203. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

Northwest Agricultural College, Wukung, Shensi Province.

419204 and 419205. *PRUNUS PERSICA* (L.) Batsch Rosaceae.

Peach.

419204. 'Early June'. Nanking. Freestone type.

419205. 'Snow'. Nanking. Clingstone type.

419206. *TRAPA BICORNIS* Osb: Trapaceae.

Horn-nut.

From People's Republic of China. Seed collected by A. E. Kehr, National Program Staff, Northeastern Region, Agricultural Research Service, Beltsville, Maryland. Numbered September 9, 1977.

Canton.

419207 to 419219.

From Hong Kong. Purchased from Chan Chun Chiu Seed Company, Kweilin Street, Kuloon, by A. E. Kehr, National Program Staff, Northeastern Region, Agricultural Research Service, Beltsville, Maryland. Numbered September 9, 1977.

419207. *ALLIUM CEPA* L. Amaryllidaceae.

Onion.

419208. *ALLIUM CEPA* L.

Onion.

419209 and 419210. *ALLIUM SATIVUM* L.

Garlic.

419209. 1. Reportedly from People's Republic of China.

419207 to 419219—Continued**419209 to 419210—Continued**

419210. 2.

419211. *APIUM GRAVEOLENS* L. var. *DULCE* (Mill.) Pers. Apiaceae. Celery.419212. *BRASSICA RAPA* L. Brassicaceae. Turnip.419213. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.419214. *CUCUMIS SATIVUS* L. Cucumber.419215. *LAGENARIA SICERARIA* (Mol.) Standl. Cucurbitaceae. Calabash gourd.419216. *PACHYRHIZUS* sp. Fabaceae.419217. *PISUM SATIVUM* L. Fabaceae. Garden pea.419218. *SPINACIA OLERACEA* L. Chenopodiaceae. Spinach.419219. *VIGNA UNGUICULATA* (L.) Walp. Fabaceae. Cowpea.**419220. *CUCUMIS MELO* L. Cucurbitaceae. Cantaloupe.**

From Poland. Seed presented by Director, Ogród Botaniczny, Uniwersytetu Marii Curie-Skłodowskiej, Lublin. Received August 22, 1977.

1933. 'Kantalup Szarantejski'.

419221. *RHUS LANCEA* L. f. Anacardiaceae. Sumac.

From South Africa. Seed presented by Plant Introduction Officer, Division of Plant and Seed Control, Department of Agricultural Technical Services, Pretoria. Received August 8, 1977.

419222. *PSIDIUM GUAJAVA* L. Myrtaceae. Common guava.

From Senegal. Seed presented by G. Kahlem, Faculte des Sciences, Biologie Vegetale Department, Universite de Dakar, Dakar. Received July 29, 1977.

Tree growing in Botanical Garden, Department of Botany.

University of Dakar, Dakar. Flowers in May, fruits in July.

419223. *SETARIA POIRETIANA* (Schant.) Kunth. Poaceae.

From Brazil. Seed presented by B. H. Barteldes, Product Manager, Pasture Seeds, Agroceres S. A., Vieira de Carvalho, Sao Paulo. Received June 27, 1977.

Seed collected at the Sao Paulo Botanical Institute Park.

Panicles bearing ripe seed. Originally from India.

419224. *ASTRAGALUS CICER* L. Fabaceae. Cicer milkvetch.

From Australia. Seed presented by Plant Introduction Officer, Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra City. Received August 22, 1977.

C.P.I. 56556. Originally from Armenia, Union of Soviet Socialist Republics (16155).

419225. *ZEAMAYS* L. Poaceae. Corn.

From United States. Seed presented by W. Knight, Belvedere, South Carolina. Received August 29, 1977.

Six ears per stalk. Origin unknown.

419226 to 419380.

From Greece. Seed collected by W. R. Langford, Regional Plant Introduction Station, Experiment, Georgia, and R. R. Smith, Department of Agronomy, University of Wisconsin, Madison, Wisconsin. Received July 20, 1977.

419226 to 419380—Continued

419226. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
35. Nikitas. Dry, rocky, limestone soil. Plant erect, 60 to 70 cm. Wild.
419227. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.
75. One km west of Lake Megthobas, on roadside on route around lake. Wild.
419228. *LOTUS EDULIS* L. Trefoil.
32. Nikitas. Dry, rocky, limestone soil. Plant small, pubescent, 10 to 15 cm tall. Fruits dehisce when mature. Wild.
419229. *LOTUS PEDUNCULATUS* Cav.
52. Fifteen km southwest of Trikkala. Wild.
419230. *LOTUS TENUIS* Waldst. & Kit. ex Willd. Narrowleaf trefoil.
27. Ten km northwest of Poliyigros. Plant prostrate. Fine stems and leaflets. Flowers yellow. Seedpods dehisce when mature. Wild.
419231. *LOTUS* sp.
16. Koumaria-Veria, on rocky, clay roadbank. Elevation 540 m. Plant semi-erect, 10 to 15 cm tall. Flowers yellow. Wild.
419232. *LOTUS* sp.
53. Fifteen km southwest of Trikkala. Wild.
419233. *LOTUS* sp.
69. South end of Lake Megthobas, near Kastaneai, in native meadow. Elevation 1,400 m. Wild.
419234. *LUPINUS ANGUSTIFOLIUS* L. Fabaceae. European blue lupine.
41. Northwest of Polychronon, roadbank. Plant 60 to 90 cm tall, erect branching. Seed shatters readily when mature. Wild.
- 419235 to 419237. *MEDICAGO LUPULINA* L. Fabaceae. Black medic.
419235. 29. Ten km northwest of Poliyigros. Wild.
419236. 108. Gagara, Pilion Mountain. Elevation 900 m. Plant semiprostrate. Stems 30 cm. Flowers yellow. Wild.
419237. 129. Near Dholiana, 40 km from Ioannina. Wild.
- 419238 to 419240. *MEDICAGO ORBICULARIS* (L.) Bartal. Buttonclover.
419238. 33. Nikitas. Dry, rocky, limestone soil. Plant semiprostrate. Stems 30 to 50 cm. Flowers yellow. Wild.
419239. 97. Southeast of Volos, just before Neohori, Pilion Mountains. Elevation 700 m. Wild.
419240. 133. Five km northeast of Pogoniani, 13 km from Ioannina. Elevation 1,000 m. Wild.
- 419241 and 419242. *MEDICAGO POLYMORPHA* L. California burclover.
419241. 136. Five km northeast of Pogoniani, 13 km from Ioannina. Elevation 1,000 m. Wild.
419242. 150. Near lake at Ioannina, 4 km east of Perama. Elevation 500 m. Wild.
419243. *PSORALEA* sp. Fabaceae.
40. Northwest of Polychronon, roadbank. Plant stemmy, erect branching. Flowers white at stem terminals. Seed shatters readily when mature. Grazed by goats. Wild.

419226 to 419380—Continued

419244. *TRIFOLIUM RUBENS* L. Fabaceae. **Clover.**
119. One hundred forty-two km west of Larisa on Route 6. Mountain meadow. Elevation 1,400 m. Plant erect, 40 cm tall. Long, narrow leaflets. Flowers purple red. Wild.
- 419245 to 419248. *TRIFOLIUM ANGUSTIFOLIUM* L. **Clover.**
419245. 26. Ten km northwest of Poliyigros. Plant erect, 20 to 30 cm tall. Seed heads spiny. Wild.
419246. 36. Vourvourou-Chalkidiki. Plant large, vigorous, erect. Long, narrow leaflets. Seed heads spiny. Wild.
419247. 89. Southeast of Volos, just before Neohori, Pilion Mountains. Elevation 700 m. Wild.
419248. 128. Near Dholiana, 40 km from Ioannina. Wild.
- 419249 and 419250. *TRIFOLIUM ARVENSE* L. **Rabbitfoot clover.**
419249. 58. East approach to Lake Megthobas, near Kastaneai. Elevation 1,200 m. Wild.
419250. 93. Southeast of Volos, just before Neohori, Pilion Mountains. Elevation 700 m. Wild.
- 419251 to 419256. *TRIFOLIUM CAMPESTRE* Schreb. **Large hop clover.**
419251. 47. On Road 30, 6 km south of Trikkala. Plant erect, branching, annual. Stems 12 to 18 cm. Flowers yellow. Wild.
419252. 82. Near Olympias at base of Mt. Olympus, 5 km from Kalithea. Elevation 400 m. Wild.
419253. 92. Southeast of Volos, just before Neohori, Pilion Mountains. Elevation 700 m. Wild.
419254. 107. Dimirios, Pilion Mountain. Elevation 800 m. Plant erect, branching annual. Stems 25 cm. Flowers yellow. Wild.
419255. 123. On road to Elafotopos, 25 km northwest of Ioannina. Elevation 600 m. Wild.
419256. 149. Near lake at Ioannina, 4 km east of Perama. Elevation 500 m. Wild.
419257. *TRIFOLIUM SCABRUM* L. **Rough clover.**
15. Koumaria-Veria. Elevation 400 m. Plant semi-erect, 10 to 30 cm tall. Flowers light purple. Head spiny. Tap rooted. Wild.
419258. *TRIFOLIUM RESUPINATUM* L. **Persian clover.**
126. Near Dholiana, 40 km from Ioannina. Wild.
419259. *TRIFOLIUM ALEXANDRINUM* L. **Berseem clover.**
22. South bank of Axios River on highway from Thessaloniki to Beria. Wild.
- 419260 to 419263. *TRIFOLIUM FRAGIFERUM* L. **Strawberry clover.**
419260. 10. Three Springs, near Sokhos. Elevation 400 m. Rainfall 600 mm. Plant erect, annual, 20 cm tall. Flowers pink. Wild.
419261. 23. South bank of Axios River on highway from Thessaloniki to Bria. Wild.
419262. 46. On Road 30, 6 km south of Trikkala. Plant semi-erect, branching, 15 cm tall. Flowers pink. Wild.

419226 to 419380—Continued

419260 to 419263—Continued

419263. 95. Southeast of Volos, just beyond Neohori, Pilion Mountains. Elevation 800 m. Wild.
- 419264 to 419266. Undetermined Fabaceae.
419264. 116. One hundred forty-two km west of Larisa on Route 6. Mountain meadow. Elevation 1,400 m. Wild.
419265. 118. One hundred forty-two km west of Larisa on Route 6. Mountain meadow. Elevation 1,400 m. Plants large, big leaf markings. Wild.
419266. 131. Five km northeast of Pogoniani, 13 km from Ioannina. Elevation 1,000. Wild.
419267. TRIFOLIUM FRAGIFERUM L. Strawberry clover.
145. One km west of Perama. Elevation 500 m. Stoloniferous plant. Stems and leaves small. Flowers pink. Wild.
419268. TRIFOLIUM SPUMOSUM L. Cluster clover.
34. Nikitas. Dry, rocky, limestone soil. Wild.
419269. TRIFOLIUM GLOBOSUM L. Rose clover.
30. Nikitas. Dry, rocky, limestone soil. Pubescent, erect plant, 10 to 20 cm tall. Wild.
419270. TRIFOLIUM HIRTUM All.
56. East approach to Lake Megthobas, near Kastaneai. Elevation 1,200 m. Plant prostrate, pubescent. Stems 30 cm. Wild.
- 419271 and 419272. TRIFOLIUM CHERLERI L. Clover.
419271. 68. South end of Lake Megthobas, near Kastaneai, in native meadow. Elevation 1,400 m. Wild.
419272. 135. Five km northeast of Pogoniani, 13 km from Ioannina. Elevation 1,000 m. Wild.
419273. TRIFOLIUM ECHINATUM Bieb. Clover.
147. Near lake at Ioannina, 4 km east of Perama. Elevation 500 m. Wild.
419274. TRIFOLIUM ALPESTRE L. Purple globe clover.
73. One km west of Lake Megthobas, on roadside on route around lake. Very rhizomatous. Wild.
419275. TRIFOLIUM CANESCENS Willd.
71. South end of Lake Megthobas, near Kastaneai, in native meadow. Elevation 1,400 m. Wild.
419276. TRIFOLIUM NIGRESCENS Viv. Ball clover.
2. Chrysopighi Forest Experiment Station, Serrai. Elevation 630 m. Wild.
419277. TRIFOLIUM RETUSUM L.
7. Three Springs, Sokhos. Elevation 400 m. Rainfall 600 mm. Plant small, erect, annual, 5 to 8 cm tall. Wild.
419278. TRIFOLIUM GLOMERATUM L.
8. Three Springs, Sokhos. Elevation 400 m. Rainfall 600 mm. Plant small, erect, annual, 5 to 8 cm tall. Flowers white. Wild.
419279. TRIFOLIUM NIGRESCENS Viv. Ball clover.

419266 to 419380—Continued

419279—Continued

9. Three Springs, Sokhos. Elevation 400 m. Rainfall 600 mm. Plant small, erect, 5 to 10 cm tall. Flowers white. Wild.

419280. Undetermined Fabaceae.

63. East approach to Lake Megthobas, near Kastaneai. Elevation 1,200 m. Wild.

419281. *TRIFOLIUM PALLIDUM* Waldst. & Kit.

80. Near Kastaneai, 2 km from dam on Lake Megthobas. Elevation 1,500 m. Wild.

419282. *TRIFOLIUM NORICUM* Wulf.

60. East approach to Lake Megthobas, near Kastaneai. Elevation 1,200 m. Mountain waterway, few branching leaves. Flowers white. Long stipules. Wild.

419283. *TRIFOLIUM CANESCENS* Willd.

72. South end of Lake Megthobas, near Kastaneai, in native meadow. Elevation 1,400 m. Wild.

419284. *TRIFOLIUM NORICUM* Wulf.

87. Sykaminea, beyond Kryovyssi in mountains below Mt. Olympus. Elevation 900 m. Wild.

419285. *TRIFOLIUM PALLIDUM* Waldst. & Kit.

5. Enroute from Skepastos to Lagada. Elevation 550 m. Plant erect, 10 to 65 cm tall. Flowers pink. Wild.

419286 and 419287. *TRIFOLIUM PRATENSE* L. Red clover.

419286. 18. One km northwest of Seli. Calcareous soil. Prostrate. Wild.

419287. 19. Bermin Mountain. Wild.

419288. *TRIFOLIUM PALLIDUM* Waldst. & Kit.

42. One km northwest of Seli. Calcareous soil. Prostrate. Wild.

419289. *TRIFOLIUM HELREICHIANUM* Hausskn.

74. One km west of Lake Megthobas on roadside en route around lake. Plants non pubescent, vigorous. Wild.

419290. *TRIFOLIUM PRATENSE* L. Red clover.

94. Southeast of Volos, beyond village of Neohori, Pilion Mountains. Elevation 800 m. Wild.

419291 and 419292. *TRIFOLIUM MEDIUM* L. Zigzag clover.

419291. 99. Southeast of Volos, before Neohori, Pilion Mountains. Elevation 700 m. Plant 30 cm tall. No leaf mark. Wild.

419292. 109. Six km southwest of Gagara. Elevation 900 m. Plants erect, perennial, vigorous. Stems 40 cm. Wild.

419293 to 419295. *TRIFOLIUM PRATENSE* L. Red clover.

419293. 120. Mountain meadow, 142 km west of Larisa on Route 6. Elevation 1,400 m. Plant erect, perennial. Stems 40 cm. Flowers pink red. Wild.

419294. 122. On Route 6, 144 km west of Larisa. Elevation 1,400 m. Plant erect, perennial. Stems 40 cm. Flowers purple red. Wild.

419295. 139. On riverbank near Konitsa. Elevation 600 m. Wild.

419266 to 419380—Continued

419296. *TRIFOLIUM PALLIDUM* Waldst. & Kit.
142. On riverbank near Konitsa. Elevation 600 m. Wild.
- 419297 to 419309. *TRIFOLIUM REPENS* L. White clover.
419297. 1. Chrysopighi Forest Experiment Station, Serrai. Elevation 630 m. Rainfall 600 mm. Plant small, prostrate. Wild.
419298. 3. Chrysopighi Forest. Elevation 1,500 m. Rainfall 1,000 mm. Wild.
419299. 4. One km northwest of forest lodge and restaurant, Lailias National Forest. Elevation 1,500 m. Rainfall 1,000 mm. Plant small, prostrate. Wild.
419300. 6. Enroute from Skepastos to Lagada. Elevation 550 m. Plant prostrate, stoloniferous, perennial. Wild.
419301. 13. Roadbank on route from Thessaloniki to Alexandria. Plant small, prostrate, stoloniferous. Flowers pinkish white. Wild.
419302. 14. Tripotamos, Veria. Elevation 300 m. Wild.
419303. 17. One km northwest of Seli. Calcareous soil. Plant small to intermediate. Wild.
419304. 20. Stavros, Varia. Wild.
419305. 25. Vavdos. Elevation 200 m. Rainfall 500 mm. Limestone soil. Plant intermediate to large. Wild.
419306. 28. Ten km northwest of Poliyigros. Plant prostrate, stoloniferous, intermediate. Wild.
419307. 43. Enroute to Larisa, 16 km west of Katerini. Intermediate. Wild.
419308. 45. On Road 30, 6 km south of Trikkala. Plant prostrate, stoloniferous, perennial. Flowers white. Wild.
419309. 48. Enroute to Lazzarina, 10 km south of Trikkala. Intermediate. Wild.
419310. *TRIFOLIUM NIGRESCENS* Viv. Ball clover.
51. Fifteen m southwest of Trikkala. Plant semi-erect, annual. Stems 30 to 40 cm. Flower stalk short, flowers white. Wild.
419311. *TRIFOLIUM REPENS* L. White clover.
54. Twenty km southwest of Trikkala, one-half km southeast of Lazzarina. Village compost pile. Plant prostrate. Wild.
419312. *TRIFOLIUM NIGRESCENS* Viv. Ball clover.
55. Twenty km southwest of Trikkala, one-half km southeast of Lazzarina. Village compost pile. Plant prostrate. Wild.
- 419313 to 419329. *TRIFOLIUM REPENS* L. White clover.
419313. 59. East approach to Lake Megthobas, near Kastaneai. Elevation 1,200 m. Plant small, prostrate. Wild.
419314. 67. South end of Lake Megthobas, near Kastaneai, in native meadow. Elevation 1,400 m. Wild.
419315. 78. Five km from dam on Lake Megthobas, near Kastaneai. Elevation 1,500 m. Wild.
419316. 83. Along road in village of Olympias at base of Mt. Olympus. Elevation 400 m. Flowers white. Wild.
419317. 84. Along road in village of Olympias at base of Mt. Olympus. Elevation 400 m. Flowers pink. Wild.

419266 to 419380—Continued**419313 to 419329—Continued**

419318. 85A. Near village of Kryovryssi near Mt. Olympus. Elevation 800 m.. Wild.
419319. 100. Xouridti, beyond village of Neohori, Pilion Mountains. Elevation 800 m. Wild.
419320. 103. Tsagarada, Pilion Mountain. Elevation 730 m. Plant stoloniferous, perennial Wild.
419321. 104. Tsagarada, Pilion Mountain. Elevation 730 m. Plant large. Wild.
419322. 111. Enroute to Ioannina, 128 km west of Larisa. Plant small. Wild.
419323. 114.. On Route 6, 138 km west of Larisa. Elevatin 1,640 m. Flowers pink to red. Wild.
419324. 115. On Route 6, 138 km west of Larisa. Elevation 1,640 m. Plant stoloniferous, prostrate, perennial. Flowers white. Wild.
419325. 134. Five km northeast of Pogoniani, 13 km from Ioannina. Elevation 1,000 m. Wild.
419326. 140. On riverbank near Konitsa. Elevation 600 m. Wild.
419327. 146. One km west of Perama. Elevation 500 m. Wild.
419328. 148. Near lake at Ioannina, 4 km east of Perama. Elevation 500 m. Wild.
419329. 153. On Route 6, 143 km east of Larisa. Elevation 1,400 m. Flowers red. Wild.
419330. TRIFOLIUM REPENS var. GIGANTEUM Lagr.-Fosset
105. Tsagarada, Pilion Montains. Elevation 730 m. Plant, large, stoloniferous. Flowers white. Wild.
- 419331 and 419332. TRIFOLIUM RESUPINATUM L. Persian clover.
419331. 24. South bank of Axios River on highway from Thessaloniki. Wild.
419332. 49. Enroute to Lazzarina, 10 km south of Trikkala. Plant erect, annual, 10 cm tall. Wild.
419333. TRIFOLIUM HYBRIDUM L. Alsike clover.
121. On Road 6, 144 km west of Larisa. Elevation 1,400 m. Plant erect, branching, annual. Stems 35 cm. Flowers pink. Wild.
419334. TRIFOLIUM SUBTERRANEUM L.
132. Five km northeast of Pogoniani, 13 km from Ioannina. Elevation 1,000 m. Plant stoloniferous, pubescent, small leaf mark. Flowers cream white. Triangular leaflet, petals 10 to 20 cm. Wild.
419335. TRIFOLIUM ALEXANDRINUM L. Berseem clover.
11. Three Springs, Sokkos. Elevation 400 m. Plant semi-erect, 30 cm tall. Flowers white. Wild.
- 419336 and 419337. TRIFOLIUM SQUAMOSUM L.
419336. 44. On Road 30, 6 km south of Trikkals. Plant semi-erect, 20 cm tall. Flowers pink to white. Wild.
419337. 50. Dry prairie on Route 30, 15 km southwest of Trikkala. Plant semi-erect, annual. Stems 20 cm. Flowers pinkish white. Wild.
419338. TRIFOLIUM SCABRUM L. Rough clover.

419266 to 419380—Continued**419338—Continued**

57. East approach to Lake Megthobas, near Kastaneai. Elevation 1,200 m. Plant semi-erect, annual, early maturing. Stems 10 cm long. Wild.

419339. TRIFOLIUM ECHINATUM Bieb. **Clover.**

112. Enroute to Ioannina, 128 km west of Larisa. Plant semi-erect, annual. Stems 20 cm. Wild.

419340. TRIFOLIUM SQUAMOSUM L.

127. Near Dholiana, 40 km from Ioannina. Wild.

419341. TRIFOLIUM HIRTUM All.

12. Three Springs, Sokhos. Elevation 400 m. Rainfall 600 m. Plant small, erect, 10 cm tall. Flowers pinkish-white. Wild.

419342. TRIFOLIUM PALLIDUM Waldst. & Kit.

21. Stavros. Wild.

419343. TRIFOLIUM SQUAMOSUM L.

31. Niitas. Dry rocky, limestone soil. Plant low growing. Small seedheads similar to *T. pratense*. Wild.

419344. Undetermined Fabaceae.

37. Rocky seacoast, east of Nikitas. Plant erect, 10 to 20 cm tall, early maturing. Wild.

419345. Undetermined Fabaceae.

38. Rocky seacoast, east of Nikitas. Plant semi-erect, branching, 20 cm tall. Wild.

419346. TRIFOLIUM PALLIDUM Waldst. & Kit.

39. Above seacoast on rocky cliff, 8 km north of Skala Sykias. Elevation 300 m. Plant erect branching. Stems 20 to 30 cm. Seeds purple. Wild.

419347. TRIFOLIUM sp.

61. East approach to Lake Megthobas, near Kastaneai. Elevation 1,200 m. Flowers purple. Wild.

419348. TRIFOLIUM MEDIUM L. **Zigzag clover.**

62. East approach to Lake Megthobas, near Kastaneai. Elevation 1,200 m. Plant 10 cm tall, pubescent. Extremely long stipules, leaflets uniformly ovate. Flowers purple. Similar to *T. pratense*. Wild.

419349. TRIFOLIUM PALLIDUM Waldst. & Kit.

64. East approach to Lake Megthobas, near Kastaneai. Elevation 1,200 m. Plant small, 15 cm tall, semi-erect. Leaflets 2 mm. Flowers white. Excellent taproot. Wild.

419350. TRIFOLIUM ALPESTRE L. **Purple globe clover.**

65. East approach to Lake Megthobas, near Kastaneai. Elevation 1,200 m. Plant nonpubescent, 15 cm tall. Leaflets 15 mm, oblong and serrated. Wild.

419351. TRIFOLIUM sp.

66. Fifteen km southwest of Trikkala. Plant 20 cm tall, very branching. Wild.

419352. TRIFOLIUM CANESCENS Willd.

67A. South end of Lake Megthobas, near Kastaneai, in native meadow. Eleva-

419266 to 419380—Continued**419352—Continued**

tion 1,400 m. Plant 30 to 40 cm with excellent short rosette, perennial. Spiny seedhead. Big taproot. Wild.

419353. *TRIFOLIUM PHLEOIDES* Pourr. ex Willd.

70. South end of Lake Megthobas, near Kastaneai, in native meadow. Elevation 1,400 m. Plant short, erect. Wild.

419354 and 419355. *TRIFOLIUM PALLIDUM* Waldst. & Kit.

419354. 77. On roadside enroute around lake, 1 km west of Lake Megthobas.

Plant tall, erect, stemmy, slight pubescence. Leaflets absent, flowers white. Wild.

419355. 79. About 2 km from dam on Lake Megthobas, near Kastaneai. Elevation 1,500 m. Plant 30 to 40 cm tall, perennial. Flowers white. Wild.

419356. *TRIFOLIUM* sp.

81. About 2 km from dam on Lake Megthobas, near Kastaneai. Elevation 1,500 m. Plant 30 cm tall, perennial. Flowers pink red. Wild.

419357. *TRIFOLIUM ANGUSTIFOLIUM* L.

Clover.

85. Along roadside between Olympias and Kryovyssi. Elevation 600 m. Plant 15 cm tall, annual. Pubescent seed pod. Wild.

419358. *TRIFOLIUM PHLEOIDES* Pourr. ex Willd.

86. Sykaminea, beyond Kryovyssi in mountains below Mt. Olympus. Elevation 900 m. Plant 15 cm tall, semi-erect. Very pubescent stems and head. Wild.

419359. *TRIFOLIUM HIRTUM* All.

88. Southeast of Volos, just before Neohori, Pilion Mountains. Elevation 700 m. Plant erect, annual, 20 to 25 cm tall. Wild.

419360. *TRIFOLIUM ANGUSTIFOLIUM* L.

Clover

90. Southeast of Volos, just before Neohori, Pilion Mountains. Elevation 700 m. Plant erect, annual, 5 to 10 cm tall. Stems pubescent. Wild.

419361. *TRIFOLIUM SCABRUM* L.

Rough clover.

91. Southeast of Volos, just before Neohori, Pilion Mountains. Elevation 700 m. Plant short, mature. Seedhead spiny. Growing under shrubs. Wild.

419362. Undetermined Fabaceae.

93A. Southeast of Volos, just before Neohori, Pilion Mountains. Elevation 700 m. Plant short, 10 to 15 cm tall. Narrow leaflets. No nodules. Growing under shrubs. Wild.

419363. Undetermined.

96. Southeast of Volos, just beyond Neohori, Pilion Mountains. Elevation 800 m. Wild.

419364. *TRIFOLIUM UNIFLORUM* L.

98. Southeast of Volos, just before Neohori, Pilion Mountains. Elevation 700 m. Wild.

419365. *TRIFOLIUM CANESCENS* Willd.

101. Two km east of Xouridti, Pilion Mountains. Plant erect, annual, slightly pubescent, mature. Stems 20 to 30 cm. Wild.

419366. *TRIFOLIUM REPENS* L.

White clover.

419266 to 419380—Continued**419366—Continued**

102. Tsagarada, Pilion Mountain. Elevation 730 m. Plant semi-erect, annual. Stems 20 to 25 cm. Flowers white. Wild.

419367. *TRIFOLIUM CANESCENS* Willd.

106. Tsagarada, Pilion Mountain. Elevation 730 m. Plant tall, erect branching, perennial. Stems 50 cm. Flowers purple-pink. Wild.

419368. *TRIFOLIUM* sp.

110. Northeast of Volos, Pilion Mountain. Elevation 650 m. Plant pubescent, decumbent, 2 to 3 cm tall. Flowers yellow. Wild.

419369. *TRIFOLIUM CAMPESTRE* Schreb.

Large hop clover.

117. Mountain meadow, 142 km west of Larisa on Route 6. Elevation 1,400 m. Fine stems. Flowers yellow. Wild.

419370 and 419371. *TRIFOLIUM ECHINATUM* Bieb.

Clover.

419370. 124. On road to Elafotopos, 25 km northwest of Ioannina.

Elevation 600 m. Plant short, annual. Flowers Pink. Wild.

419371. 125. Near Dholiana, 40 km from Ioannina. Wild.

419372. 130. Near Albanian border, 55 km from Ioannina, 3 km from Pogoniani. Elevation 700 m. Plant dry, 20 to 30 cm tall. Leaves oblong. Growing under shrubs. Wild.

419373. *TRIFOLIUM PALLIDUM* Waldst. & Kit.

137. Five km northeast of Pogoniani, 13 km from Ioannina. Elevation 1,000 m. Wild.

419374. *TRIFOLIUM STELLATUM* L.

138. Five km northeast of Pogoniani, 13 km from Ioannina. Elevation 1,000 m. Plant tall, 12 to 15 cm. Spiny head. Wild.

419375. *TRIFOLIUM SCABRUM* L.

Rough clover.

141. On riverbank near Konitsa. Elevation 600 m. Plant branching, 5 to 8 cm, annual. Flowers white. Wild.

419376. *TRIFOLIUM ECHINATUM* Bieb.

Clover.

143. On riverbank near Konitsa. Elevation 600 m. Plant semi-erect, 15 to 20 cm. Flowers purple white. Wild.

419377. *TRIFOLIUM PALLIDUM* Waldst. & Kit.

144. One km west of Perama. Elevation 500 m. Wild.

419378. *VICIA SATIVA* L. subsp. *NIGRA* (L.) Ehrh. Fabaceae.

Blackpod vetch.

151. East shore of Lake at Ioannina. Moist site. Plants semiviny, annual. Weak stemmed. Flowers purple. Seed pods 4 cm long, shatter profusely. Wild.

419379. *VICIA VILLOSA* Roth

Hairy vetch.

152. East shore of Lake at Ioannina. Moist site. Plants pubescent, annual. Flowers purplish white. Seed pods contain 3 to 4 seeds. Wild.

419380. *VICIA* sp.

76. On roadside enroute around lake, 1 km west of Lake Megthobas. Wild.

419381 to 419437.

From Crete. Seed collected by W. R. Langford, Regional Plant Introduction Station, Experiment, Georgia, and R. R. Smith, Department of Agronomy, University of Wisconsin, Madison, Wisconsin. Received July 20, 1977.

419381 to 419437—Continued

419381. *DORYCNIUM RECTUM* (L.) Ser. Fabaceae.
193. Maleme, by the sea. Elevation 10 m. Plant shrubby, 0.61 m tall. Clusters of pods 1.5 to 2 cm long at terminal. Wild.
419382. *HYMENOCARPOS CIRCINNATUS* (L.) Savi Fabaceae.
Two km south of Limni. Elevation 400 m. Wild.
419383. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**
192. Maleme, by the sea. Elevation 10 m. Wild.
419384. *LOTUS* sp.
176. Sembronas, in meadow. Plant prostrate, pubescent, annual. Stems 15 cm. Flowers yellow. Wild.
419385. *LOTUS* sp.
194. Maleme, by the sea. Elevation 10 m. Wild.
419386. *LOTUS* sp.
207. Two km south of Limni. Elevation 400 m. Wild.
419387. *MEDICAGO ORBICULARIS* (L.) Bartal. Fabaceae. **Buttonclover.**
181. Two km south of Kares. Elevation 300 m. Plant prostrate, annual. Stems 70 cm. Flowers yellow. Wild.
419388. *MEDICAGO POLYMORPHA* L. **California burclover.**
162. Two km south of Palelaria, in an old olive tree plantation. Elevation 50 m. Wild.
419389. *MEDICAGO* sp. Fabaceae.
155. Two km south of Dalatamas, 20 km southwest of Chania. Elevation 20 m. Plant short, decumbent, dry. Short internodes. Wild.
419390. *MEDICAGO* sp.
164. One km northeast of Orthouni, about 30 km northwest of Chania. Elevation 80 m. Wild.
419391. *MEDICAGO* sp.
195. Maleme, by the sea. Elevation 10 m. Plant small, to 10 cm tall, pubescent. Growing on beach sand, should be salt tolerant. Wild.
419392. *TRIFOLIUM PALLIDUM* Waldst. & Kit. Fabaceae.
184. Near Foreign Agricultural Organization Station, Hania. Elevation 15 m. Wild.
419393. *TRIFOLIUM ARVENSE* L. **Rabbitfoot clover.**
168. Nea Roumata, side of rocky hill with big chestnut trees and shrubs. Elevation 250 m.
- 419394 and 419395. *TRIFOLIUM CAMPESTRE* Schreb. **Large hop clover.**
419394. 160. Two km south of Palelaria, in an old olive tree plantation. Elevation 50 m. Wild.
419395. 174. Sembronas, in meadow. Plant annual, erect branching. Stems 25 cm. Wild.
419396. *TRIFOLIUM TOMENTOSUM* L. **Woolly clover.**
178. Omalos. Elevation 1,100 m. Wild.
419397. *TRIFOLIUM PHYSODES* Stev. ex Bieb.
177. Onalos. Elevation 1,100 m. Wild.

419381 to 419437—Continued

- 419398 and 419399. *TRIFOLIUM FRAGIFERUM* L. **Strawberry clover.**
 419398. 189. Maleme, by the sea. Elevation 10 m. Wild.
 419399. 190. Maleme, by the sea. Elevation 10 m. Plant very small with mildew. Wild.
419400. *TRIFOLIUM PALLIDUM* Waldst. & Kit.
 156. Two km south of Palelaria, in an old olive tree plantation. Elevation 50 m. Wild.
- 419401 to 419404. *TRIFOLIUM REPENS* L. **White clover.**
 419401. 154. Two km south of Dalatamas, 20 km southwest of Chania. Elevation 20 m. Wild.
 419402. 157. Two km south of Palelaria, in an old olive tree plantation. Elevation 50 m. Wild.
 419403. 188. Maleme, by the sea. Elevation 10 m. Wild.
 419404. 199. Drapanias, near beach. Elevation 10 m. Wild.
419405. Undetermined.
 158. Two km south of Palelaria, in an old olive tree plantation. Elevation 50 m. Plant 15 to 30 cm tall, dry. Narrow-elongated leaflets. Wild.
419406. *TRIFOLIUM ARVENSE* L. **Rabbitfoot clover.**
 203. Sfinari. Elevation 60 m. Wild.
419407. *TRIFOLIUM PALLIDUM* Waldst. & Kit.
 159. Two km south of Palelaria, in an old olive tree plantation. Elevation 50 m. Plant 5 cm tall, very dry. Wild.
419408. *TRIFOLIUM NIGRESCENS* Viv. **Ball clover.**
 161. Two km south of Palelaria, in an old olive tree plantation. Elevation 50 m. Plant 10 to 15 cm tall, very low and branching. Seed head lax, white to cream, some with long peduncles. Seed yellow. Wild.
419409. *TRIFOLIUM PALLIDUM* Waldst. & Kit.
 163. Two km south of Palelaria, in an old olive tree plantation. Elevation 50 m. Plant semi-erect, annual. Stems 20 to 30 cm. Seed similar, but smaller, than red clover. Wild.
419410. *TRIFOLIUM SCABRUM* L. **Rough clover.**
 165. One m northeast of Orthouni, about 30 km northwest of Chania. Elevation 80 m. Plant semi-erect, 15 cm tall, branching, annual. Leaflets just below spiny seed head. Seed yellow.
419411. *TRIFOLIUM PALLIDUM* Waldst. & Kit.
 166. One km northeast of Orthouni, about 30 km northwest of Chania. Elevation 80 m. Plant semi-erect, annual. Stems 20 to 30 cm. Seed similar, but smaller, than red clover. Wild.
419412. *TRIFOLIUM STELLATUM* L.
 167. Nea Roumata, side of rocky hill with big chestnut trees and shrubs. Elevation 250 m. Plant short, annual, Sepals large, pubescent, and open flat. Four to six seeds per head. Wild.
419413. *TRIFOLIUM SUBTERRANEUM* L.

419381 to 419437—Continued

419413—Continued

169. Nea Roumata, side of rocky hill with big chestnut trees and shrubs. Elevation 250 m. Plant short. Burr-type head, two to six seeds. Seed large, yellow brown. Wild.

419414. LOTUS sp. Fabaceae.

170. Nea Roumata, side of rocky hill with big chestnut trees and shrubs. Growing under bushes. Elevation 250 m. Sepals are smaller with less pronounced pubescence than P.I. 419412. Two to four seeds per head. Wild.

419415. TRIFOLIUM LIGUSTICUM Balb. ex Loisel

171. Nea Roumata, side of rocky hill with big chestnut trees and shrubs. Elevation 250 m. Plant 10 to 20 cm tall, annual. *T. pratense* type head. Wild.

419416. TRIFOLIUM NIGRESCENS Viv. Ball clover.

172. Sembronas, in meadow. Plant annual, erect branching. Seed head similar to white clover but much smaller. Wild.

419417. TRIFOLIUM GLOMERATUM L.

173. Sembronas, in meadow. Plant erect, annual. Stems 20 cm. Wild.

419418. TRIFOLIUM SUFFOCATUM L.

180. Omalos. Elevation 1,100 m. Plant very short, annual. Seed green yellow, small. Seedhead on ground. Wild.

419419. TRIFOLIUM GLOMERATUM L.

182. Two km south of Kares. Elevation 300 m. Plant erect, annual. Seed yellow. Wild.

419420. TRIFOLIUM sp.

183. Two km south of Kares. Elevation 300 m. Plant mature, annual. Sepals pubescent. Three to six seed per head. Wild.

419421. TRIFOLIUM GLOMERATUM L.

185. Near Foreign Agriculture Organization Station, Hania. Elevation 15 m. Plant 10 to 15 cm tall, semi-erect. Spiny heads at nodes. Wild.

419422. TRIFOLIUM NIGRESCENS Viv. Ball clover.

186. Near Foreign Agriculture Organization Station, Hania. Elevation 15 m. Plant like *T. repens*, annual. Head lax. Seed yellow, small. Wild.

419423. TRIFOLIUM RESUPINATUM L.

187. Near Foreign Agriculture Organization Station, Hania. Elevation 15 m. Plant annual. Petals white, fluffy. Seed green, small. Wild.

419424. TRIFOLIUM PALLIDUM Waldst. & Kit.

191. Maleme, by the sea. Elevation 10 m. Plant 10 to 20 cm tall, annual. *T. pratense* type head. Seed purple green. Wild.

419425. TRIFOLIUM STELLATUM L.

196. One km from Kombarei, growing along rocky outcrop by the sea. Elevation 10 m. Plant low, mature. Petals pubescent. Three to eight seeds per head. Wild.

419426. TRIFOLIUM SUBTERRANEUM L.

197. Plakalons. Elevation 200 m. Plant short, branching. Head small, burr-type, three to four seeds. Seed purple. Wild.

419381 to 419437—Continued

419427. *TRIFOLIUM RESUPINATUM* L.
198. Plakalons. Elevation 200 m. Wild.
419428. *TRIFOLIUM SQUAMOSUM* L.
200. Sfinari. Elevation 60 m. Plant erect, 15 cm tall, annual. Sharp, spiny head. Wild.
419429. *TRIFOLIUM GLOMERATUM* L.
201. Sfinari. Elevation 60 m. Wild.
419430. *TRIFOLIUM NIGRESCENS* Viv. **Ball clover.**
202. Sfinari. Elevation 60 m. Plant annual, more branching than *T. repens*. Peduncles short. Head lax. Seed green, small. Wild.
419431. *TRIFOLIUM CHERLERI* L. **Clover.**
204. Sfinari. Elevation 60 m. Wild.
419432. *TRIFOLIUM TOMENTOSUM* L. **Woolly clover.**
206. Two km south of Limni. Elevation 400 m. Wild.
419433. *TRIFOLIUM SQUAMOSUM* L.
209. Nisi. Elevation 200 m. Similar to P. I. 419415. Wild.
419434. *TRIFOLIUM PALLIDUM* Waldst. & Kit.
210. Nisi. Elevation 200 m. Wild.
419435. *TRIGONELLA* sp. Fabaceae.
179. Omalos. Elevation 1,100 m. Plant erect, annual. Stems 8 to 12 cm. Seedpod 1.5 cm, 10 to 15 seed. Wild.
419436. *TRIGONELLA* sp.
205. Two km south of Limni. Elevation 400 m. Pods long, hooked, about 3 cm long. Seed small, round, green. Wild.
419437. *VICIA VILLOSA* Roth Fabaceae. **Hairy vetch.**
175. Sembronas, in meadow. Wild.
419438. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**
From South Africa. Seed presented by Plant Introduction Officer, Division of Plant and Seed Control, Department of Agriculture, Pretoria. Received July 11, 1977. Selection from 'Elrina' (P.I. 412967).
- 419439 to 419443. *PISUM SATIVUM* L. Fabaceae. **Garden pea.**
From Union of Soviet Socialist Republics. Seed presented by K. Budin, N. I. Vavilov Institute of Plant Industry, Leningrad. Received August 2, 1977.
419439. VIR 4458. Moskvic GO 2071. Stringless. Moscow Region.
419440. VIR 5111. Supovaja lopatočka 181. Stringless. Moscow Region.
419441. VIR 5924. Cukrowy karlowy. Stringless. Originally from Poland.
419442. VIR 6128. Luckererbsen Ambrosia. Stringless. Originally from East Germany.
419443. VIR 6616. Zuga. Stringless. Originally from West Germany.
- 419444 and 419445.
From Australia. Seed presented by Plant Introduction Officer, Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra City. Received August 29, 1977.

419444 to 419445—Continued

419444. *ECHINOCHLOA TURNERIANA* (Domin) J.M. Black Poaceae.

Originally from Ambathala Lakes, Queensland.

419445. *LUPINUS MUTABILIS* Sweet Fabaceae. South American lupine.

'Pink Nigrescens'.

419446. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.

From Peru. Seed presented by Hortus S. A., through L. R. Fouchs, Agricultural Attache, Department of Agriculture, American Embassy, Lima. Received July 29, 1977.

"Coastal Hairy Peruvian". Originally from San Pedro, Department of La Libertad.

419447 to 419449. *ORYZA SATIVA* L. Poaceae. Rice.

From Philippines. Seed presented by Director, International Rice Research Institute, Manila. Received August 8, 1977.

419447. IRRI 9457. Pratao tipo guedes.

419448. IRRI 11816. Thangone.

419449. IRRI 25718. Silewah.

419450 to 419454.

From United States. Seed presented by W. J. Beal Botanical Garden, Michigan State University, East Lansing, Michigan. Received August 29, 1977.

419450. *ATRIPLEX HORTENSIS* L. Chenopodiaceae. Orach.
43.

419451. *CENCHRUS LONGISPINUS* (Hack.) Fern. Poaceae. Longspine sandbur.
79.

419452. *DESMONDIUM DILLENII* Darl. Fabaceae. Beggarweed.
412. Collected edge of woods, Ingham County, Michigan.

419453. *HIBISCUS CANNABINUS* L. Malvaceae. Kenaf.
182.

419454. *STOKESIA LEAVIS* (Hill) Greene Asteraceae. Stokes' aster.
317.

419455 to 419460.

From Switzerland. Seed collected by W. R. Langford, Regional Plant Introduction Station, Experiment, Georgia, and R. R. Smith, Department of Agronomy, University of Wisconsin, Madison, Wisconsin. Received July 20, 1977.

419455. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
368. Six km northeast of Sternberg, in native meadow. Elevation 900 m. Wild.

419456 to 419458. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.

419456. 366. Sternberg, in native meadow. Elevation 885 m. Wild.

419457. 367. Three km northeast of Sternberg, in native meadow. Elevation 900 m. Wild.

419458. 370. Hermantswit, in native meadow. Elevation 746 m. Wild.

419459. *TRIFOLIUM REPENS* L. White clover.

365. Sternberg, in native meadow. Elevation 885 m. Wild.

419455 to 419460—Continued

419460. *VICIA SATIVA* L. Fabaceae. Common vetch.
369. Six km northeast of Sternenberg, in native meadow. Elevation 900 m.
Wild.

419461 to 419464.

From South Africa. Seed collected by T. C. Nel, Plant Introduction Officer, Division of Plant and Seed Control, Department of Agricultural Technical Services, Pretoria. Received July 14, 1977.

- 419461 to 419463. *ATRIplex NUMMULARIA* Lindl. Chenopodiaceae. Oldman saltbush.

419461. Originally from Boesmanskop.

419462. Originally from Karoo.

419463. Originally from Walvis Bay, South-West Africa.

419464. *ARISTIDA UNIPLUMIS* Licht. Poaceae. Three-awn grass.
Swakopriver area, Southwest Africa. Coarse, sandy soil.

419465. *GOSYPIUM HIRSUTUM* L. Malvaceae. Upland cotton.
From Costa Rica. Seed collected by R. G. Wilson, San Vito de Java, and presented through Claude Hope, Cartago. Received July 18, 1977.

Indian village, Chirripo Region. Light brown lint, naked seed, fiber 2 cm long.

419466 to 420020.

From Japan. Seed received as part of United States-Japan National Resources (UJNR) Project on forage crop germplasm exchange and evaluation. Code numbers refer to 1976 National Grassland and Research Institute listing. Numbered August 22, 1977. Seed received from Aichi Center (AI).

- 419466 to 419506. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
419466. AI 1012. 'Ampurdan'. Originally from Spain.
419467. AI 1014. 'Alfa II'. Originally from Sweden.
419468. AI 1015. 'Arnims Altdeutsche Bastard'. Originally from Germany.
419469. AI 1026. 'Beaver'. Originally from England.
419470. AI 1028. 'Boreale'. Originally from France.
419471. AI 1029. 'Bayard'. Originally from France.
419472. AI 1030. 'BVR-2'. Originally from England.
419473. AI 1075. (Sa1-L2000). 'Elga'. Originally from France.
419474. AI 1077 (Sa1-L2001). 'Emeraude'. Originally from France.
419475. AI 1079 (SA1-L2002). 'Etoile de Norde'. Originally from France.
419476. AI 1101. 'Gamma'. Originally from France.
419477. AI 1103. 'Frank's Langmeiler'. Originally from Germany.
419478. AI 1105. 'Felu'. Originally from Germany.
419479. AI 1109. 'Flandria'. Originally from France.
419480. AI 1126. 'Isis'. Originally from Denmark.
419481. AI 1137. 'Leonicena'. Originally from Italy.
419482. AI 1140. 'La Pampa'. Originally from Argentina.
419483. AI 1158. 'Marchigiana'. Originally from Italy.
419484. AI 1163. 'Marais du Lucon'. Originally from France.

419466 to 420020—Continued

419466 to 419506—Continued

419485. AI 1164. 'Marais du Challans'. Originally from France.
 419486. AI 1168. 'Marloroborough'. Originally from New Zealand.
 419487. AI 1171. 'Massaux'. Originally from Argentina.
 419488. AI 1190. 'Omega'. Originally from France.
 419489. AI 1195. P8H. Originally from France.
 419490. AI 1196. Polesana. Originally from Italy.
 419491. AI 1217. 'Sabina'. Originally from Italy.
 419492. AI 1256. 'Warotte'. Originally from France.
 419493. AI 1257. YT-1. Originally from Spain.
 419494. AI 1263. 'Wehrdauer Hildebrand'. Originally from Germany.
 419495. AI 1271. Ref. VR-13. Originally from England.
 419496. AI 2008. Bred from Aikei-2.
 419497. AI 2011. Bred from Aikei-3.
 419498. AI 2021. Bred from 'Natsuwakaba'.
 419499. AI 2023. Bred from Aikei-4.
 419500. AI 2024. Bred from Aikei-5.
 419501. AI 2025. Bred from Aikei-6.
 419502. AI 2026. Bred from Aikei-7.
 419503. AI 2027. Bred from Aikei-8.
 419504. AI 2028. Bred from Aikei-9.
 419505. AI 2029. Bred from Aikei-10.
 419506. 'Natsuwakaba'.
 419507. PANICUM BULBOSUM H.B.K. Poaceae. **Bulb panicgrass.**
 AI-7204. 'Morocco'.
 419508 to 419513. PANICUM COLORATUM L. **Kleingrass.**
 419508. AI 7302. Crocodile River.
 419509. AI 7309. Komatipoot.
 419510. AI 7315. Olifantsvlei B/57/68.
 419512. AI 7404. CPI 18022. Received as *P. coloratum* var *kabulabula*.
 Originally from Australia.
 419513. AI 7406. Zambezi River. Received as *P. coloratum* var. *kabulabula*.
 419514 and 419515. PANICUM MAKARIKARIENSE (Gooss.) Van Rensb. **Panicgrass.**
 419514. AI 7501. Bambatsi, Southern Rhodesia.
 419515. AI 7510. N 780.
 419516. PANICUM MAXIMUM var. TRICHOGLUME Eyels **Green panicgrass.**
 AI 7903. Tokohu Station 83.
 419517 to 419530. DACTYLIS GLOMERATA L. Poaceae. **Orchardgrass.**
 Seed received from Hokkaido Station (SA).
 419517. SA2-07038. 419520. SA2-07085.
 419518. SA2-07056. 419521. SA2-07086.
 419519. SA2-07059. 419522. SA2-07090.

419466 to 420020—Continued

419517 to 419530—Continued

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| 419523. SA2-07091. | 419527. SA2-07095. | |
| 419524. SA2-07092. | 419528. SA2-07117. | |
| 419525. SA2-07093. | 419529. SA2-07118. | |
| 419526. SA2-07094. | 419530. SA2-07119. | |
| 419531 to 419536. <i>FESTUCA ARUNDINACEA</i> Schreb. Poaceae. | | Tall fescue. |
| 419531. SA2-07105. Bred from 'Hokuryo'. | | |
| 419532. SA2-07106. Bred from 'Yamanami'. | | |
| 419533. SA2-07026. Bred from Hokkai-6. | | |
| 419534. SA2-07031. Bred from Hokkai-3. | | |
| 419535. SA2-07032. Bred from Hokkai-4. | | |
| 419536. SA2-07045. Bred from Hokkai-5. | | |
| 419537 to 419540. <i>MEDICAGO SATIVA</i> L. Fabaceae. | | Alfalfa. |
| 419537. SA1-L1463. 'Deutsh 1'. | | |
| 419538. SA1-L2007. 'Hybride de Crecy'. Originally from France. | | |
| 419539. SA1-L2008. 'Hybride Milfeuil'. Originally from France. | | |
| 419540. SA1-L2009. 'Luciole'. Originally from France. | | |
| 419541 to 419576. <i>TRIFOLIUM PRATENSE</i> L. Fabaceae. | | Red clover. |
| 419541. SA1-1417. Derived from 'Uncertified Cowgrass'. | | |
| 419542. SA1-1438. Collected from Onnebetsu, Hokkaido. | | |
| 419543. SA1-1439. Collected from Tadoshi, Hokkaido. | | |
| 419544. SA1-1470. Collected from Kenbuchi, Hokkaido. | | |
| 419545. SA1-1489. Derived from 'Sterling'. | | |
| 419546. SA1-1546. Derived from Tukikei-40-1. | | |
| 419547. SA1-1608. Derived from Hungaropoly tetraploid. | | |
| 419548. SA1-1630. Derived from 'Sepia'. | | |
| 419549. SA1-1636. Derived from 'Hamidori'. | | |
| 419550. SA1-1644. Derived from 'Tenda'. | | |
| 419551. SA1-1660. Derived from 'Early Corona Ofofte'. | | |
| 419552. SA1-1679. Originally from Hokkaido. | | |
| 419553. SA1-1685. Derived from 'Red Head' tetraploid. | | |
| 419554. SA1-1692. Derived from 'Resistent'. | | |
| 419555. SA1-1924. Derived from 'Vesta Daehnfeldt'. | | |
| 419556. SA1-2016. Derived from 'Cult N. Crop'. | | |
| 419557. SA1-2017. Derived from 'Goliath'. | | |
| 419558. SA1-2018. Derived from 'Levezou'. | | |
| 419559. SA1-2019. Derived from 'Triel'. | | |
| 419560. SA1-2037. Originally from Hokkaido. | | |
| 419561. SA1-2088. Derived from SVU-0154. | | |
| 419562. SA1-2089. Derived from SV-095 tetraploid. | | |
| 419563. SA1-2091. Derived from SVVG-0126. | | |
| 419564. SA1-2093. Derived from SV-0105. | | |
| 419565. SA1-2094. Derived from SV-0116. | | |

419466 to 420020—Continued

419541 to 419576—Continued

- 419566. SA1-2095. Derived from SVVRM-0114.
- 419567. SA1-2136. Derived from HIA-0465.
- 419568. SA1-2137. Derived from 'Tetri' tetraploid.
- 419569. SA1-2139. Derived from 'Temara' tetraploid.
- 419570. SA1-2141. Derived from 'Jumbo'.
- 419571. SA1-2150. Derived from 'Holitra' tetraploid.
- 419572. SA1-2151. Derived from 'Pajbjergfonden' tetraploid.
- 419573. SA1-2152. Bred from 'Sapporo'.
- 419574. SA1-2154. Derived from 'Otsaat-Treu'.
- 419575. SA1-2155. Derived from 'NFG Mekra'.
- 419576. Collected in Chiebumi, Hokkaido.

419577 to 419580. TRIFOLIUM REPENS L.

White clover.

Seed received from Ibaraki Station (IB).

- 419577. IB-210023. 'SV 0415'. Originally from Sweden.
- 419578. IB-210027. 'Weissklee'. Originally from East Germany.
- 419579. IB-210030. 'Canada'. Originally from United States.
- 419580. IB-230001. Bred from Tomokei 1.

419581 to 419596. BROMUS INERMIS Leyss. Poaceae.

Smooth brome.

Seed received from Kitami Station (KI).

- 419581. KI-822. Bred from Kitakei 5307.
- 419582. KI-823. Bred from Kitakei 5308.
- 419583. KI-10245.
- 419584. KI-10246. Bred from Sbhi 01.
- 419585. KI-10247. Bred from Sbhi 03.
- 419586. KI-10248. Bred from Sbhi 06.
- 419587. KI-10249. Bred from Sbhi 07.
- 419588. KI-10250. Bred from Sbhi 08.
- 419589. KI-10251. Bred from Sbhi 10.
- 419590. KI-10252. Bred from Sbhi 11.
- 419591. KI-10253. Bred from Sbhi 12.
- 419592. KI-10254. Bred from Sbhi 13.
- 419593. KI-10255. Bred from Sbhi 15.
- 419594. KI-10256. Bred from Sbhi 16.
- 419595. KI-10257. Bred from Sbhi 17.
- 419596. KI-10258. Bred from Sbhi 18.

419597 to 419925. PHELUM PRATENSE L. Poaceae.

Timothy.

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| <ul style="list-style-type: none"> 419597. KI-158. 'Seccempter W'. 419598. KI-160. 'C.B.'. 419599. KI-163. 'Nivala'. 419600. KI-164. 'Scots'. 419601. KI-165. 'P-36'. 419602. KI-207. 'Glarnevin'. | <ul style="list-style-type: none"> 419603. KI-217. 'Scotia'. 419604. KI-294. 'Omnia'. 419605. KI-432. 'Lischower'. 419606. KI-436. 'Erecta R.V.P'. 419607. KI-440. No. 90. 419608. KI-445. 'Medon'. |
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419466 to 420020—Continued

419597 to 419925—Continued

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| 419609. KI-449. 'Bottnia II'. | 419630. KI-680, 431. 'Landsberger'. |
| 419610. KI-450, 601. 'Topas Otofte'. | 419631. KI-681. 'Liphlea'. |
| 419611. KI-488. 'Grindstad'. | 419632. KI-682. 'Mahndorfer'. |
| 419612. KI-490. 'Bodin'. | 419633. KI-683. 'Mirage'. |
| 419613. KI-491. 'Engumo'. | 419634. KI-684. N.F.G. |
| 419614. KI-492. A-4. | 419635. KI-685. 'Oakmere'. |
| 419615. KI-532. 'Heidemij'. | 419636. KI-686. 'Odenwalder'. |
| 419616. KI-620, 653. 'Melusine'. | 419637. KI-687. 'Oberhaunstader'. |
| 419617. KI-622. 'Intenso'. | 419638. KI-689. 'Pastremo'. |
| 419618. KI-623. 'Olympia'. | 419639. KI-690. 'Pet'. |
| 419619. KI-624. 'Comet'. | 419640. KI-691. 'Pergo'. |
| 419620. KI-625. 'Dural'. | 419641. KI-692. 'Phlewiola'. |
| 419621. KI-626, 664. 'Barmoti'. | 419642. KI-693. SK-45. |
| 419622. KI-660. SV 0873. | 419643. KI-694. 'Suceava'. |
| 419623. KI-663. 'Bariton'. | 419644. KI-696. 'Toro L84'. |
| 419624. KI-665. 'Bart.' | 419645. KI-697. 'Teith'. |
| 419625. KI-670. 'Evergreen'. | 419646. KI-698. 'Timo'. |
| 419626. KI-671. 'Farol'. | 419647. KI-698. 'Timo'. |
| 419627. KI-675. 'Heilbrink'. | 419648. KI-700. 'Vallo'. |
| 419628. KI-678. 'Korpa'. | |
| 419629. KI-679. 'Lofar'. | |
| 419649. KI-704. Bred from Kitakei-4201. | |
| 419650. KI-705. Bred from Kitakei-4202. | |
| 419651. KI-706. Bred from Kitakei-4301. | |
| 419652. KI-707. Bred from Kitakei-4302. | |
| 419653. KI-708. Bred from Kitakei-4303. | |
| 419654. KI-709. Bred from Kitakei-4304. | |
| 419655. KI-710. Bred from Kitakei-4305. | |
| 419656. KI-711. Bred from Kitakei-4306. | |
| 419657. KI-712. Bred from Kitakei-5201. | |
| 419658. KI-713. Bred from Kitakei-5202. | |
| 419659. KI-714. Bred from Kitakei-5301. | |
| 419660. KI-715. Bred from Kitakei-5302. | |
| 419661. KI-716. Bred from Kitakei-5303. | |
| 419662. KI-717. Bred from Kitakei-5304. | |
| 419663. KI-718. Bred from Kitakei-5305. | |
| 419664. KI-719. Bred from Kitakei-5306. | |
| 419665. KI-720. Bred from Kitakei-5307. | |
| 419666. KI-721. Bred from Kitakei-5308. | |
| 419667. KI-722. Bred from Kitakei-5309. | |
| 419668. KI-723. Bred from Kitakei-5310. | |
| 419669. KI-724. Bred from Kitakei-5311. | |

419466 to 420020—Continued**419597 to 419925—Continued**

- 419670. KI-725. Bred from Kitakei-5312.
- 419671. KI-726. Bred from Kitakei-5313.
- 419672. KI-727. Bred from Kitakei-4100.
- 419673. KI-728. Bred from Kitakei-4200.
- 419674. KI-729. Bred from Kitakei-4310.
- 419675. KI-730. Bred from Kitakei-4320.
- 419676. KI-731. Bred from Kitakei-0301.
- 419677. KI-732. Bred from Kitakei-0302.
- 419678. KI-733. Bred from Kitakei-0303.
- 419679. KI-734. Bred from Kitakei-0304.
- 419680. KI-735. Bred from Kitami 1.
- 419681. KI-736. Bred from Kitami 2.
- 419682. KI-737. Bred from Kitami 3.
- 419683. KI-738. Bred from Kitami 4.
- 419684. KI-739. Bred from Kitami 5.
- 419685. KI-740. Bred from Kitami 6.
- 419686. KI-741. Bred from Kitami 7.
- 419687. KI-742. Bred from Kitami 8.
- 419688. KI-744. Bred from Kitami 10.
- 419689. KI-745. Bred from Kitami 11.
- 419690. KI-747. Bred from Kitakei 74301.
- 419691. KI-748. Bred from Kitakei 74302.
- 419692. KI-749. Bred from Kitakei 74201.
- 419693. KI-764. Collected from Kikonai, Hokkaido.
- 419694. KI-765. Collected from Tobestu, Hokkaido.
- 419695. KI-766. Collected from Kaminokuni, Hokkaido.
- 419696. KI-767. Collected from Nanae, Hokkaido.
- 419697. KI-769. Collected from Yakumo, Hokkaido.
- 419698. KI-772. Collected from Imagane, Hokkaido.
- 419699. KI-773. Collected from Imagane, Hokkaido.
- 419700. KI-775. Collected from Kuromatsunat, Hokkaido.
- 419701. KI-776. Collected from Niseko, Hokkaido.
- 419702. KI-777. Collected from Kimobetsu, Hokkaido.
- 419703. KI-779. Collected from Hidaka, Hokkaido.
- 419704. KI-780. Collected from Hidaka, Hokkaido.
- 419705. 781. Collected from Hidaka, Hokkaido.
- 419706. 782. Collected from Hidaka, Hokkaido.
- 419707. 783. Collected from Mitsuishi, Hokkaido.
- 419708. 784. Collected from Hiratori, Hokkaido.
- 419709. 785. Collected from Hiratori, Hokkaido.
- 419710. 786. Collected from Taiki, Hokkaido.
- 419711. 787. Collected from Tokathi, Hokkaido.

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| 419775. | KI-10057. | 419817. | KI-10100. |
| 419776. | KI-10058. | 419818. | KI-10102. |
| 419777. | KI-10059. | 419819. | KI-10103. |
| 419778. | KI-10060. | 419820. | KI-10104. |
| 419779. | KI-10061. | 419821. | KI-10105. |
| 419780. | KI-10062. | 419822. | KI-10106. |
| 419781. | KI-10063. | 419823. | KI-10107. |
| 419782. | KI-10064. | 419824. | KI-10109. |
| 419783. | KI-10065. | 419825. | KI-10110. |
| 419784. | KI-10066. | 419826. | KI-10111. |
| 419785. | KI-10067. | 419827. | KI-10112. |
| 419786. | KI-10068. | 419828. | KI-10113. |
| 419787. | KI-10069. | 419829. | KI-10114. |
| 419788. | KI-10070. | 419830. | KI-10115. |
| 419789. | KI-10071. | 419831. | KI-10117. |
| 419790. | KI-10072. | 419832. | KI-10118. |
| 419791. | KI-10073. | 419833. | KI-10119. |
| 419792. | KI-10074. | 419834. | KI-10120. |
| 419793. | KI-10075. | 419835. | KI-10122. |
| 419794. | KI-10076. | 419836. | KI-10123. |
| 419795. | KI-10077. | 419837. | KI-10124. |
| 419796. | KI-10078. | 419838. | KI-10125. |
| 419797. | KI-10079. | 419839. | KI-10127. |
| 419798. | KI-10080. | 419840. | KI-10128. |
| 419799. | KI-10081. | 419841. | KI-10129. |
| 419800. | KI-10082. | 419842. | KI-10131. |
| 419801. | KI-10083. | 419843. | KI-10132. |
| 419802. | KI-10084. | 419844. | KI-10133. |
| 419803. | KI-10085. | 419845. | KI-10134. |
| 419804. | KI-10087. | 419846. | KI-10135. |
| 419805. | KI-10088. | 419847. | KI-10136. |
| 419806. | KI-10089. | 419848. | KI-10137. |
| 419807. | KI-10090. | 419849. | KI-10138. |
| 419808. | KI-10091. | 419850. | KI-10139. |
| 419809. | KI-10092. | 419851. | KI-10140. |
| 419810. | KI-10093. | 419852. | KI-10141. |
| 419811. | KI-10094. | 419853. | KI-10142. |
| 419812. | KI-10095. | 419854. | KI-10143. |
| 419813. | KI-10096. | 419855. | KI-10144. |
| 419814. | KI-10097. | 419856. | KI-10146. |
| 419815. | KI-10098. | 419857. | KI-10147. |
| 419816. | KI-10099. | 419858. | KI-10148. |

419466 to 420020—Continued**419597 to 419925—Continued**

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| 419859. KI-10149. | 419893. KI-10186. |
| 419860. KI-10151. | 419894. KI-10187. |
| 419861. KI-10152. | 419895. KI-10188. |
| 419862. KI-10153. | 419896. KI-10189. |
| 419863. KI-10154. | 419897. KI-10190. |
| 419864. KI-10155. | 419898. KI-10191. |
| 419865. KI-10156. | 419899. KI-10192. |
| 419866. KI-10157. | 419900. KI-10193. |
| 419867. KI-10158. | 419901. KI-10194. |
| 419868. KI-10159. | 419902. KI-10195. |
| 419869. KI-10160. | 419903. KI-10196. |
| 419870. KI-10161. | 419904. KI-10197. |
| 419871. KI-10162. | 419905. KI-101989. |
| 419872. KI-10163. | 419906. KI-10199. |
| 419873. KI-10164. | 419907. KI-10200. |
| 419874. KI-10166. | 419908. KI-10202. |
| 419875. KI-10167. | 419909. KI-10203. |
| 419876. KI-10168. | 419910. KI-10204. |
| 419877. KI-10169. | 419911. KI-10205. |
| 419878. KI-10170. | 419912. KI-10206. |
| 419879. KI-10171. | 419913. KI-10207. |
| 419880. KI-10172. | 419914. KI-10208. |
| 419881. KI-10173. | 419915. KI-10209. |
| 419882. KI-10174. | 419916. KI-10210. |
| 419883. KI-10175. | 419917. KI-10211. |
| 419884. KI-10177. | 419918. KI-10212. |
| 419885. KI-10178. | 419919. KI-10213. |
| 419886. KI-10179. | 419920. KI-10214. |
| 419887. KI-10180. | 419921. KI-10215. |
| 419888. KI-10181. | 419922. KI-10216. |
| 419889. KI-10182. | 419923. KI-10217. |
| 419890. KI-10183. | 419924. 'Kitami No. 7'. |
| 419891. KI-10184. | 419925. 'Senpoku'. |
| 419892. KI-10185. | |

Seed received from Kyushu Station (Ku₂).419926 to 419928. *DACTYLIS GLOMERATA* L. Poaceae.

Orchardgrass.

419926. KU2-Kyushu 1.

419927. KU2-Kyushu 2. Heat tolerant.

419928. KU2-Kyushu 3.

419929 to 4199345. *PASPALUM DILATATUM* Poir. Poaceae.

Dallisgrass.

419929. KU2-20001. Bred from KU2-Kyushu 1.

419930. KU2-20002. Bred from KU2-Kyushu 2.

419466 to 420020—Continued

419935 to 419951—Continued

- 419931. KU2-20003. Bred from KU2-Kyushu 3.
- 419932. KU2-20004. Bred from KU2-Kyushu 4.
- 419933. KU2-20005. Bred from KU2-Kyushu 5.
- 419934. KU2-20006. Bred from KU2-Kyushu 6.

Seed received from Nishinasuno Institute (N1).

419935 to 419951. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**

- 419935. N1-120001. Bred from 'Aonami'.
- 419936. N1-120002. Bred from 'Akimidori'. High yield.
- 419937. N1-120003. Bred from Nakei 1.
- 419938. N1-120004. Bred from Nakei 5.
- 419939. N1-120005. Bred from Nakei 7.
- 419940. N1-120006. Bred from Nakei 10.
- 419941. N1-120007. Bred from Nakei 15.
- 419942. N1-120008. Bred from Nakei 16.
- 419943. N1-120009. Bred from Nakei 17.
- 419944. N1-120010. Bred from Nakei 18.
- 419945. N1-120011. Bred from Nakei EV-0.
- 419946. N1-120012. Bred from Nakei EV-1.
- 419947. N1-120013. Bred from Nakei EV-2.
- 419948. N1-120014. Bred from Nakei EV-3.
- 419949. N1-120015. Bred from Nakei EV-4.
- 419950. 'Akimidori'.
- 419951. 'Aonami'.

419952 to 41997. *LESPEDEZA CUNEATA* (Dun.) G. Don Fabaceae **Sericea lespedeza.**

- 419952. N1-914001. Bred from Nakei 1.
- 419953. N1-914002. Bred from Nakei 2.
- 419954. N1-914003. Bred from Nakei 3.
- 419955. N1-914004. Bred from Nakei 5.
- 419956. N1-914005. Bred from Nakei 6.
- 419957. N1-914006. Bred from Nakei 10.

419958. *LESPEDEZA STIPULACEA* Maxim. **Korean lespedeza.**
N1-913001. Bred from Nakei 1.

419959 and 419960. *LESPEDEZA STRIATA* (Thumb. ex Murr. Hook & Arn.) **Common lespedeza.**

- 419959. N1-912001. Bred from Nakei 1.
- 419960. N1-912002. Bred from Nakei 2.

419961 to 419963. *PANICUM MAXIMUM* Jacq. Poaceae. **Guineagrass.**

- 419961. N2-GR201. K59104.
- 419962. N1-GR322. N68-47.
- 419963. N2-GR334. N68-69.

419466 to 420020—Continued

Seed received from Shikoku Station (SH).

419964. *CHLORIS DISTICHOPHYLLA* Lag. Poaceae.

SH-KYI-636.

Seed received from Tohoku Station (TO).

- 419965 to 420017. *TRIFOLIUM REPENS* L. Fabaceae. White clover.
419965. TO-J.S.-690138. 'Wilkla'. Originally from Netherlands.
419966. TO-J.S.-690140. 'Fries-Groninger'. Originally from the Netherlands.
419967. TO-J.S.-690160. 'Tregor-V353'. Originally from France.
419968. TO-J.S.-690162. 'Skultuna'. Originally from Netherlands.
419969. TO-J.S.-690163. 'Morso'. Originally from Netherlands.
419970. TO-J.S.-690173. 'Vollebekk'. Originally from Norway.
419971. TO-J.S.-690177. 'Vaccares-V369'. Originally from France.
419972. TO-J.S.-700180. 'Tregor'. Originally from France.
419973. TO-J.S.-700181. 'Crau'. Originally from France.
419974. TO-J.S.-700182. 'Vaccares'. Originally from France.
419975. TO-J.S.-710183. 'Tammar'. Originally from Netherlands.
419976. TO-J.S.-740184. 'Mega'. Originally from Denmark.
419977. TO-J.S.-740185. 'Aria'. Originally from Netherlands.
419978. TO-J.S.-740186. 'Pronitro'. Originally from Netherlands.
419979. TO-J.S.-740187. 'Retor'. Originally from Netherlands.
419980. TO-J.S.-740190. 'Beta'. Originally from Sweden.
419981. TO-J.S.-740191. 'Kivi'. Originally from Sweden.
419982. TO-J.S.-740192. 'Lena'. Originally from Sweden.
419983. TO-J.S.-740197. 'Alremo'. Originally from Netherlands.
419984. TO-J.S.-740198. 'Trevise'. (700178). 'Trevise'. Originally from France.
419985. TO-J.S.-740202. 'Sabeda'. Originally from England.
419986. TO-J.S.-740204. 'Milkanova Pajbjerg'. Originally from Denmark.
419987. TO-J.S.-740205. 'Pajbjerg Smalbladet'. Originally from Denmark.
419988. TO-J.S.-740206. 'Mira Otofte'. Originally from Denmark.
419989. TO-J.S.-740208. (690142). 'Cultura'. Originally from Netherlands.
419990. TO-J.S.-740209. (690139). 'Pertina'. Originally from Netherlands.
419991. TO-J.S.-750213. 'Daeno'. Originally from Denmark.
419992. TO-J.S.-750215. 'Barbian'. Originally from Netherlands.
419993. TO-J.S.-760219. N.F.G. Originally from Germany.
419994. TO-J.S.-760222. 'Kau'. Originally from Germany.
419995. TO-J.S.-760223. 'Branca RVP'. Originally from Belgium.
419996. TO-J.S.-760227. 'Radi'. Originally from Poland.
419997. TO-D.O.-680002. Bred from 'Kitaoha'.
419998. TO-D.O.-700008. Derived from 'Tohoku 3'.
419999. TO-C-740202. Derived from C.P.I. 25897.
420000. TO-C-740205. Derived from V247.
420001. TO-C-740206. Derived from C.P.I. 25894.
420002. TO-C-740207. Derived from C.P.I. 19660.

419466 to 420020—Continued**419965 to 420017—Continued**

420003. TO-C-740208. Derived from C.P.I. 19660.

420004. TO-C-740210. Derived from C.P.I. 25895 A.

420005. TO-C-740211. Collected in Koiwai.

420006. TO-C-740212. Collected in Koiwai.

420007. TO-C-740213. Collected in Koiwai.

420008. TO-C-740214. Collected in Ainosawa.

420009. TO-C-740215. Collected in Appi.

420010. TO-C-740216. Collected in Appi.

420011. TO-C-740217. Collected in Appi.

420012. TO-C-740218. Collected in Ainosawa.

420013. TO-C-740219. Collected in Koiwai.

420014. TO-C-740220. Collected in Ainosawa.

420015. TO-C-740222. Derived from 'Kitaoha Syn. 3'.

420016. TO-C-740224. Derived from 'Kitaoha Syn. 2'.

420017. TO-C-740227. Derived from 'Kitaoha Syn 1.

420018 and 420019. PASPALUM NOTATUM Fluegge Poaceae. Bahiagrass.

420018. 'Nanpu'.

420019. 'Sinmoe'.

420020. LOLIUM MULTIFLORUM Lam. Poaceae. Italian ryegrass.

HO-0001. Bred from 'Waseaoba'.

420021 and 420022. MEDICAGOSATIVA L. Fabaceae. Alfalfa.

From Australia. Seed presented by V. E. Rogers, Division of Land Resources Management, Riverina Laboratory, Deniliquin, New South Wales. Received July 11, 1977.

420021. 'Falkiner'. Tolerant to waterlogged soils. Shows partial resistance to *Phytophthora* root rot, anthracnose, and bacterial wilt.

420022. C3 Composite. Nondormant composite, contains germplasm of 'Peruvian', 'Lahontan', and UC76. Some resistance to spotted alfalfa aphid and *Phytophthora* root rot.

420023 to 420026. FRAGARIA VIRGINIANA Duch. Rosaceae.**Virginia strawberry.**

From United States. Seeds collected in Illinois and presented to Germplasm Resources Laboratory, Agricultural Research Center, Beltsville, Maryland. Numbered August 17, 1977.

420023. Hancock County, Bearcreek Township, Section 36. Growing along roadside of the southwest corner of Section 36. Collected by Robert White, Carthage.

420024. Warren County, Floyd Township, Section 34. Growing in the southwest end of Section 34. Collected by William White, Abingdon.

420025. Hancock County, Harmony Township, Section 24. Growing 0.4 km south of Mount Pleasant Church, 0.4 km east to corner, in pasture on south side of road. Collected by Chester White, Carthage.

420026. McDonough County, Lamoine Township, Section 8. Growing 1.6 km north of Colmar on Route 61, east 1.2 km, north 0.8 km. Collected by Peggy Duncan, Colmar.

420027 to 420050. ZEA MAYS L. Poaceae. Corn

From Yugoslavia. Seed presented by Petar Maksimovic, Director, Division of Crop Farming, Forestry and Mechanization Research, Agroekonomski Institute, Padinska Skela, eoeograd. Received August 29, 1977.

| | |
|-------------------|--------------------|
| 420027. PKB-381b. | 420039. PKB-762b. |
| 420028. PKB-385b. | 420040. PKB-797b. |
| 420029. PKB-387b. | 420041. PKB-802b. |
| 420030. PKB-401b. | 420042. PKB-804b. |
| 420031. PKB-407b. | 420043. PKB-824b. |
| 420032. PKB-414b. | 420044. PKB-835b. |
| 420033. PKB-415b. | 420045. PKB-862b. |
| 420034. PKB-418b. | 420046. PKB-867b. |
| 420035. PKB-419b. | 420047. PKB-876b. |
| 420036. PKB-420b. | 420048. PKB-905b. |
| 420037. PKB-438b. | 420049. PKB-909b. |
| 420038. PKB-448b. | 420050. PKB-1204b. |

420051. ZEA MAYS L. Poaceae. Corn.

From Argentina. Seed presented by J. F. Kiekebusch, Sante Fe, through Funk Seeds International, Bloomington, Illinois. Received September 19, 1977.
'Poza Colorado Argentino II'.

420052. BAUHINIA ESCULENTA Burchell Fabaceae. Tsin bean.

From South Africa. Seed presented through Noel Vietmeyer, National Academy of Sciences, National Research Council, Washington, D.C. Received August 2, 1977.

420053 to 420104. CUCURBITA FOETIDISSIMA H.B.K. Cucurbitaceae. Buffalo gourd.

From United States. Seed collected October 1976 and held by W. P. Bemis, Department of Plant Sciences, University of Arizona, Tucson, Arizona. Numbered August 10, 1977.

420053. 245. Interstate I10, 16 km west of Deming, New Mexico. Elevation 1,363 m. Fruit globose, medium size. High yield.
420054. 246. Interstate I-10, 35 km west of Deming, New Mexico, along roadside. Leaves lighter green than normal. Fruit oblong, medium. Low yield.
420055. 247. U.S. Route 85, 3 km south of Union Street, Las Cruces, New Mexico, near irrigation canal. Elevation 1,212 m. Fruit globose, small. Low yield.
420056. 248. West side of Las Cruces High School, Las Cruces, New Mexico, near irrigation canal. Elevation 1,212 m. Fruit globose, medium. Low yield.
420057. 249. U.S. Route 85, 16 km south of Hatch, New Mexico, Rio Grande River floodplain. Elevation 1,212 m. Fruit globose, medium. Medium yield.
420058. 250. U.S. Route 85, 3 km north of Hatch, New Mexico, along roadside. Elevation 1,363 m. Fruit globose, medium. Tendency to fruit at alternate nodes. Medium yield.
420059. 251. U. S. Route 85, 3 km south of Arrey, New Mexico, along roadside. Elevation 1,363 m. Leaves elongated. Fruit glabose, small. Low yield.

420053 to 420104—Continued

420060. 252. U.S. Route 85, 1.6 km north of Arrey, New Mexico, along roadside. Elevation 1,363 m. Fruit uniform, globose, medium. Tendency to fruit at alternate nodes. High yield.
420061. 253. Interstate I-25, mile marker 96, along roadside near culvert. Elevation 1,363 m. Fruit globose, medium. Medium yield.
420062. 254. U. S. Route 60, 13 km west of Socorro, New Mexico, roadside near stream floodplain. Elevation 1,666 m. Fruit globose, medium. Medium yield.
420063. 255. U. S. Route 60, 25.7 km west of Socorro, New Mexico, along roadside. Elevation 1,818 m. Fruit slightly ovate to globose, medium. Fruit at every node. High yield.
420064. 256. U. S. Route 60, 30.5 km west of Socorro, New Mexico, along roadside. Elevation 1,818 m. Fruit oblong, medium. Medium yield.
420056. 257. U. S. Route 60, 4.8 km east of Datil, New Mexico, roadside association with juniper and pinyon. Leaves heavily serrated. Fruit oblong extremely elongated, medium. Medium yield.
420066. 258. U. S. Route 60, 16 km west of Datil, New Mexico, roadside association with Ponderosa pine. Elevation 2,121 m. Fruit globose, medium. Low yield.
420067. 259. U. S. Route 160, 16 km west of Walsenburg, Colorado, along roadside. Elevation 2,121 m. Fruit globose, medium. Low yield.
420068. 260. U. S. Route 160, 1.6 km west of Walsenburg, Colorado, along roadside. Elevation 1,966 m. Fruit globose, medium. Medium yield.
420069. 261. Colorado Route 10, 0.8 km east of Walsenburg, Colorado. Elevation 1,966 m. Fruit globose, medium. Medium yield. Foliage lush, infested with insect galls.
420070. 262. Colorado Route 10, 8 km east of Walsenburg, Colorado, along roadside. Elevation 1,818 m. Fruit globose, medium. Medium yield.
420071. 263. Colorado Route 10, 32 km west of Rocky Ford, Colorado, along roadside. Elevation 1,966 m. Fruit globose, large. Medium yield.
420072. 264. Colorado Route 14, 12.9 km north of Fort Collins, Colorado. Elevation 1,966 m. Leaf margins fold inward, forming cuplike structure. Fruit globose medium. Medium yield.
420073. 265. U. S. Route 34, 3 km west of McCook, Nebraska. Fruit globose, medium. Medium yield.
420074. 266. U. S. Route 34, 3 km west of McCook, Nebraska. Fruit globose, medium. Medium yield.
420075. 267. U. S. Route 34, 3 km west of McCook, Nebraska. Fruit globose, medium. High yield.
420076. 268. U. S. Route 34, 3 km west of Cambridge, Nebraska. Fruit globose, small. Medium yield.
420077. 269. U. S. Route 34, 6 km west of Holbrook, Nebraska. Fruit globose, medium. Medium yield.
420078. 270. U. S. Route 136, 16 km east of Edison, Nebraska. Fruit globose, small. Medium yield.

420053 to 420104—Continued

420079. 271. U. S. Route 136, in Franklin, Nebraska. Fruit globose to ovate, small. Medium yield.
420080. 272. Farm road, 4.8 km south of Manhattan, Kansas, near Soil Conservation Service Plant Materials Center, along roadside. Vines growing along fence row. Fruit ovate to globose, medium. Medium yield.
420081. 273. Fort Riley, Kansas. Fruit globose to ovate, medium. Medium yield.
420082. 274. Kansas Route 18, 1.6 km west of Manhattan, Kansas. Fruit globose, medium. Medium yield.
420083. 275. Kansas, collected by R. A. Keen. Fruit ovate, medium.
420084. 276. U. S. Route 50, 0.8 km east of Florence, Kansas. Fruit globose, medium. Low yield.
420085. 277. U.S. Route 81, Riverdale, Kansas, private residence. Fruit oblong, medium. Low yield.
420086. 278. Farm road, 6 km west of Rome, Kansas, along roadside. Fruit globose, small. Low yield.
420087. 279. U.S. Route 81, 1.6 km north of Renfrow, Oklahoma. Fruit globose to oblong, large. Medium yield.
420088. 280. U.S. Route 81, 6 km south of Medford, Oklahoma. Fruit globose, medium. Low yield.
420089. 281. U.S. Route 81, 3 km south of Hennessey, Oklahoma. Fruit globose, medium. Medium yield.
420090. 282. Farm road, 16 km north of Lindsay, Oklahoma, along roadside. Fruit globose, small. Low yield.
420091. 283. U.S. Route 81, 16 km south of Comanche, Oklahoma, under overpass. Leaves cordate. Fruit globose, small. Low yield.
420092. 284. Route TF 174, 4.8 km east of Windthorst, Texas, along roadside. Fruit ovate, medium. Medium yield.
420093. 285. Seymour, Texas, near football field. Growing along fence row. Fruit globose, medium. Medium yield.
420094. 286. Farm road, 21 km west of Seymour, Texas, along roadside. Fruit globose, medium, mottled. Medium yield.
420095. 287. Texas Tech University farm, fallow field. Fruit globose, medium. Medium yield.
420096. 288. Route TF 835, 4.8 km east of Lubbock, Texas, along roadside. Fruit globose, small. High yield.
420097. 289. Route TF 835, west end of Buffalo Springs Lake, Lubbock, Texas, along roadside. Fruit globose, medium. Medium yield.
420098. 290. Route TF 835, west end of Buffalo Springs Lake, Lubbock, Texas, along roadside. Fruit globose to ovate, large. Medium yield.
420099. 291. Route TF 35, west end of Buffalo Springs Lake, Lubbock, Texas, along roadside. Fruit globose, large. Medium yield.
420100. 292. Zahn Gravel Pit, Lubbock, Texas, floodplain of creek. Fruit globose, medium. Medium yield.

420053 to 420104—Continued

420101. 293. Zahn Gravel Pit, Lubbock, Texas, floodplain of creek. Fruit oblong, medium. Medium yield.
420102. 294. U.S. Route 82, 4.8 km east of Loco Hills, New Mexico, along roadside. Elevation 1,212 m. Fruit globose, medium. Low yield.
420103. 295. U.S. Route 82, 16 km east of Mayhill, New Mexico, along roadside, associated with juniper. Elevation 2,121 m. Fruit globose, medium. Medium yield.
420104. 296. U.S. Route 82, 16 km east of Mayhill, New Mexico, along roadside, associated with juniper. Fruit oblong, medium. Medium yield.

420105 to 420123.

From Norway and Finland. Seed collected by Cecil Stushnoff, Department of Horticultural Science, University of Minnesota, St. Paul, Minnesota. Received June 10, 1977.

420105. HERACLEUM ASPERUM Bieb. Apiaceae.
10.
420106. HERACLEUM LACINIATUM Hornem.
11. Institute of Biology, Tromsø, Troms County.
420107. HERACEUM PALMATUM Baumg.
14.
420108. HERACLEUM PERSICUM Des.
8.
420109. HERACLEUM PONTICUM (Lipsky) Schischk. ex Grossh.
13.
420110. HERACLEUM SIBIRICUM L.
18.
420111. HERACLEUM SOSNOWSKYI Mandenova
12.
420112. HERACLEUM SPHONDYLIIUM L.
15.
420113. JUNIPERUS sp. Cupressaceae.
9. Pasvikelv River Valley near Svanvik Station, Norway. Attractive growth habit, dense, dwarf, hardy.
420114. RIBES RUBRUM L. Grossulariaceae. Red currant.
3. Overbygd, Norway, near bridge next to town.
420115. ROSA sp. Rosaceae.
6. Oviv, Finland, near student dormitory. Bush, hardy, double red.
420116. ROSA sp.
16. Halqutv Island, pure sand dune, Gulf of Botnia, Finland. Double white, hardy, drought resistant.
420117. RUBUS CHAMAEMORUS L. Rosaceae. Cloudberry.
5. Tromsø, near Institute of Biology.
420118. RUBUS IDAEUS L. European red raspberry.
4. Overbygd, Norway, near bridge next to town.

420117 to 420123—Continued

420119. *SALIX* sp. Salicaceae.

17. Near Kolari, Finland. Silver foliage.

420120. *SORBUS AUCUPARIA* L. Rosaceae.

European mountain-ash.

7. Near Overbygd, Norway. Fruit large, winter hardy, very attractive.

420121. *TAGETES* sp. Asteraceae.

19. Oviv, Finland, dormatory. Large, lemon yellow.

420122. *VACCINIUM MYRTILLUS* L. Ericaceae.

Whortleberry

2. Kvaloy Island, near Tromso. Two hundred meters from bridge to northwest. Fruit large.

420123. *VACCINIUM VITIS-IDAEA* L.

Mountain cranberry.

1. Pasvikelv River Valley, Norway. Fruit large.

420124 to 420128. *LOLIUM PERENNE* L. Poaceae.

Perennial ryegrass.

From Japan. Seed presented by T. Shindo, Yamanashi Prefectural Dairy Experiment Station, through K. Watanabe, Grassland Development, Hokkaido National Agricultural Experiment Station, Hitsujigaoka, Sapporo. Received July 5, 1977.

420124. YN-72118. 'Kiyosato'. Elevation 700 m.

420125. YN-72119. 'Yatsugane'. Elevation 700 m.

420126. YN-76166. HJA-0167. Originally from Finland.

420127. YN-76171. 'Mammoth'. Elevation 700 m.

420128. YN-76172. 'Norlea'. Originally from Canada.

420129 to 420137.

From United States. Seed presented by J. Crane, Farm Crops Department, Oregon State University, Corvallis, Oregon. Numbered November 1, 1977.

420129 to 420131. *LIMNANTHES FLOCCOSA* Howell Limnanthaceae.

420129. OLC-3. On Highway 234, 0.3 km west of Antiock Road, Jackson County, Oregon.

420130. OLC-5. On Butte Falls Highway, 5.9 km west of Butte Falls, Jackson County, Oregon.

420131. OLC-14. On Modoc Road, 1.2 km south of Highway 234, Jackson County, Oregon.

420132. *LIMNANTHES FLOCCOSA* subsp. *BELLINGERIANA* (M.E. Peck) Arroyo.

OLV-4. On Butte Falls Highway, 5.9 km west of Butte Falls, Jackson County, Oregon.

420133 and 420134. *LIMNANTHES FLOCCOSA* subsp. *GRANDIFLORA* Arroyo.

420133. OLC-1. On Table Rock Road, 0.3 km south of Rogur River Bridge, Jackson County, Oregon.

420134. OLC-2. On Modock Road, 1.2 km south of Highway 234, Jackson County, Oregon.

420135. *LIMNANTHES FLOCCOSA* subsp. *PUMILA* (Howell) Arroyo

OLC-6. Summit of Upper Table Rock, Jackson County, Oregon.

420129 to 420137—Continued

420136 and 420137. *LIMNANTHES GRACILIS* Howell.

420136. OLC-7. On road to Merlin, 1.6 km south of Hugo, Josephine County, Oregon.

420137. OLC-8. On Jump Off Joe Creek Road, 0.3 km east of Interstate 5, Hugo Exit, Josephine County, Oregon.

420138. HELIANTHUS ANNUUS L. Asteraceae. Sunflower.

From Australia. Seed presented by Alistair Low, Principal Research Scientist, Division of Irrigation Research, Grissith, New South Wales, through P. K. Knowles, Department of Agronomy and Range Science, University of California, Davis, California. Numbered November 1, 1977.

PK-101. Panmixis F₄. Cultivated.

420139. CARTHAMUS LANATUS L. Asteraceae.

From Italy. Seed presented by P. K. Knowles, Department of Agronomy and Range Science, University of California, Davis, California. Numbered 31, 1977.

Originally from Aquila, Italy, 144.8 km southeast of Rome in mountains. Elevation 1,230 m. Wild.

420140 to 420143. ORYZA SATIVA L. Poaceae. Rice.

From Venezuela. Seed presented by Ing. Agr. Francisco Parades G., Seccion Semillas, Fondo Nacional de Investigaciones Agropecuarias (CIARCO), Araure, Estado Portuguesa. Received October 18, 1977.

420140. Azaure1.

420142. CICA 6.

420141. CICA 4.

420143. Llanero 501.

420144 to 420152.

From United States. Seed presented by G. W. Bohn, Imperial Valley Conservation Research Center, Brawley, California. Numbered November 11, 1977.

420144 to 420148. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

420144. 'Ao-O makuwa'. Fruit green, large, round oval. Originally received in 1955 from Hiroshi Hayase, Hokkaido Agricultural Experiment Station, Hokkaido, Japan.

420145. 'Gin makuwa'. Fruit silver. Originally received in 1955 from Hiroshi Hayase, Hokkaido Agricultural Experiment Station, Hokkaido, Japan.

420146. 'Glabrous'. 620841. Originally collected in a field of sulfur-resistant 'SR91' by R. E. Foster, University of Arizona, Agricultural Experiment Station, Mesa, Arizona.

420147. 'Seitan A-Kei' (A-line). 90829. Originally received in 1955 from Hiroshi Hayase, Hokkaido Agricultural Experiment Station, Hokkaido, Japan.

420148. 'Seitan B'. 90171. Originally received in 1955 from Hiroshi Hayase, Hokkaido Agricultural Experiment Station, Hokkaido, Japan.

420149 and 420150. CUCUMIS MELO subsp. CONOMON (Thunb). Greb.

420149. 'Freeman Cucumber' ('Oriental Pickling Melon'). 34340. White-seeded fraction. Originally received in 1947 from Lank Brothers Seed Company,

420144 to 420152—Continued**420149 and 420150—Continued**

Manhattan, Kansas. Reportedly resistant to muskmelon mosaic and cucumber mosaic virus.

420150. 'Hermaphrodite B'. "Percept-flowered pickling type." 90083. Originally received in 1955 from W. R. Batley, Sr., Brawley, California, who obtained it from China.

420151. *CUCUMIS MELO* var. *DUDAIM* (L.) Maud. **Dudaim melon.**

Originally received in 1965 from J. R. Wall, George Mason College, Fairfax, Virginia, who collected it on the Louisiana State University campus.

420152. *CUCUMIS MELO* var. *INODORUS* Naud.

Gentry #12850. "Pigmy cassaba". Originally collected in 1953, Baglan, Kataghan Province, Afghanistan. Silty, loessic or alluvial soils. Small, scrofulous, elliptic melon with pointed ends. Cultivated.

420153 to 420173.

From France. Seed presented by Director, Jardin Botanique de la Ville et de l'Universite, Faculte des Sciences, Institut de Botanique, Besancon. Received June 21, 1977.

420153. *ALOPECURUS MYOSUROIDES* Huds. Poaceae. **Foxtail.**

183. Elevation 284 m.

420154. *ATRIPLEX HORTENSIS* L. Chenopodiaceae. **Orach.**

218. Elevation 284 m.

420155. *ATRIPLEX NITENS* Schkuhr. **Saltbush.**

210. Elevation 284 m.

420156. *ATRIPLEX PATULA* L.

123. Originally from Busy-Doubs, France. Elevation 308 m.

420157. *BROMUS STERILIS* L. Poaceae. **Poverty bromegrass.**

184. Originally from Deluz-Doubs, France. Elevation 262 m.

420158. *COIX LACRYMA-JOBI* L. Poaceae. **Job's-tears.**

368. Elevation 284 m.

420159. *CYTISUS DECUMBENS* (Willd.) Spach Fabaceae. **Broom.**

102. Originally from Courvieres-Doubs, France. Elevation 338 m.

420160. *ECHINOCHLOA CRUSGALLI* (L.) Beauv. Poaceae. **Barnyardgrass.**

185. Originally from Osselle-Doubs, France. Elevation 225 m.

420161. *KOCHIA SCOPARIA* (L.) Schrad. Chenopodiaceae. **Summer cypress.**

224. Elevation 284 m.

420162. *LOTUS TENUIS* Waldst. & Kit. ex Willd. Fabaceae.

66. Originally from Marniere, Besancon, France. Elevation 367 m.

420163. *MELILOTUS ALTISSIMA* Thuill. Fabaceae. **Sweetclover.**

152. Originally from L'Hospital du Grosbois, France. Elevation 576 m.

420164. *MELILOTUS OFFICINALIS* Lam. **Yellow sweetclover.**

153. Originally from Dannemarie sur Crete-Doubs, France. Elevation 286 m.

420165. *TETRAGONOLOBUS SILIQUOSUS* (L.) Roth. Fabaceae.

71. Originally from Marniere, Besancon, France. Elevation 367 m.

420153 to 420173—Continued

420166. *TRIFOLIUM ARVENSE* L. Fabaceae. **Rabbitfoot clover.**
154. Originally from Osselle-Doubs, France. Elevation 225 m.
420167. *TRIFOLIUM CAMPESTRE* Schreb. **Large hop clover.**
72. Le Cordonnet, Haute-Saone, France. Elevation 338 m.
420168. *TRIFOLIUM MONTANUM* L. **Clover.**
76. On a prairie, Besancon, France. Elevation 260 m.
420169. *TRIFOLIUM RUBENS* L. **Clover.**
107. Elevation 260 m.
420170. *TRisetum flavescens* (L.) Beauv. Poaceae.
187. Originally from Le Cordonnet, Haute-Saone, France. Elevation 338 m.
420171. *Vicia hirsuta* (L.) S.F. Gray Fabaceae. **Vetch.**
157. Originally from Osselle-Doubs, France. Elevation 225 m.
420172. *Vicia sativa* subsp. *nigra* (L.) Ehrh.
158. Originally from Osselle-Doubs, France. Elevation 225 m.
420173. *Vicia tetrasperma* (L.). Moench **Vetch.**
159. Originally from Osselle-Doubs, France. Elevation 225 m.
420174. *HELICONIA* sp. **Musaceae.**
From Bolivia. Plant collected by B. H. Waite, University of Florida/AID Contract, LaPaz, Boliva and C. W. Campbell, Agricultural Research and Education Center, University of Florida, Homestead, Florida. Numbered November 18, 1977.
Villa Porvenir, Cochabamba Province. Similar to P.I. 387851.
420175. *PANAX PSEUDOGINSENG* Wall. **Araliaceae. Ginseng.**
From Korea. Seed presented by Hoo Sup Chung, College of Agriculture, Seoul National University, Suweon. Received November 9, 1977.
- 420176 to 420181. *CUCUMIS MELO* L. **Cucurbitaceae. Muskmelon.**
From United States. Seed presented by G. W. Bohn, Imperial Valley Conservation Research Center, Brawley, California. Received November 2, 1977.
420176. 'Ginsen Makuwa' (Silver Spring). 91275. Originally received in 1955 from Hiroshi Hayase, Hokkaido Agricultural Experiment Station, Hokkaido, Japan.
420177. 'Kindawara Makuwauri' (Makuwa Makino). 91278. Originally received in 1969 from Akira Kiso, Shikoku Agricultural Experiment Station, Ministry of Agriculture and Forestry, Zentsuji, Kagawa-Ken, Japan.
420178. 'Nagagata Kin Makuwa' (Long Gold). 91281-82. Originally received in 1955 from Hiroshi Hayase, Hokkaido Agricultural Experiment Station, Hokkaido, Japan.
420179. 'Nanbu Kin Makuwa'. 91279-280. Originally received in 1955 from Hiroshi Hayase, Hokkaido Agricultural Experiment Station, Hokkaido, Japan.
420180. 'Sanuki Shirouri' (Conomon Makino). 91283-84. Originally received in 1969 from Akira Kiso, Shikoku Agricultural Experiment Station, Ministry of Agriculture and Forestry, Zentsuji, Kagawa-Ken, Japan.

420176 to 420181—Continued

420181. 'Shirokawa Nashi Makuwa' (White Skin Pear). 91286-87. Originally received in 1955 from Hiroshi Hayase, Hokkaido Agricultural Experiment Station, Hokkaido, Japan.

420182. HELIANTHUS NUTTALLII T. & G. Asteraceae.

From United States. Seed collected by A. H. Holmgren and L. M. Shultz, Intermountain Herbarium, Utah State University, Logan, Utah. Received October 25, 1977.

In ditchbank along dirt road, 0.8 km east of sewage lagoons, meadows west of Logan, Cache County, Utah.

420183. VITIS AMURENSIS Rupr. Vitaceae. Amur grape.

From Korea. Seed collected by Jae Chang Lee, Department of Horticulture, Chungnam National University, Daejeon. Received September 22, 1977. Mount Sukseung, Yongin-keun, Gyunggi-do Province.

420184 to 420187. NICOTIANA TABACUM L. Solanaceae.**Tobacco.**

From Canada. Seed presented June 1976 by F. H. White, Research Station, Research Branch, Delhi, Ontario. Numbered November 18, 1977.

420184. T.I. 1611. Italy C6L60. Flue cured.

420185. T.I. 1612. Jin Sinn China. Flue cured.

420186. T.I. 1613. Lonibow. Flue cured. Very low alkaloid content.

420187. T.I. 1614. India HR65-35. Flue cured.

420188 to 420192. NICOTIANA TABACUM L. Solanaceae. Tobacco.

From South Africa. Seed presented August 1975 by Director, Tobacco Research Institute, Rustenburg, Transvaal. Numbered November 18, 1977.

420188. T.I. 1606. T.L. 33. Flue cured. Resistant to tobacco mosaic virus, powdery mildew, and both races of black shank.

420189. T.I. 1607. T.L. 38. Flue cured. Resistant to tobacco mosaic virus, powdery mildew, and both races of black shank.

420190. T.I. 1608. Delciest. Flue cured.

420191. T.I. 1609. R.T. (red tobacco). Resistant to brown spot.

420192. T.I. 1610. H76. Kuo-Kan resistance to powdery mildew.

420193 to 420195. ORYZA SATIVA L. Poaceae.**Rice.**

From Dominican Republic. Seed presented by D. Martin, Peace Corps, Las Lagunas, Nisibon, Higuey. Received September 12, 1977.

420193. Cabrera (Cabrerita). Maturity 120 days.

420194. Higueyano. Upland.

420195. Marole. Salt tolerant.

420196. ARACHIS HYPOGAEA L. Fabaceae.**Peanut.**

From Paraguay. Seed presented by R. A. Hamilton, Department of Horticulture, University of Hawaii, Manoa, Honolulu. Received September 12, 1977.

Large seeded, prolific.

420197. MEDICAGO SATIVA L. Fabaceae.**Alfalfa.**

420197—Continued

From Poland. Seed presented by Zygmunt Staszewski, Head, Department of Genetics, Plant Breeding and Acclimatization Institute, Radzikow, Blonie. Received September 12, 1977.

'Vertibenda'.

420198. *ORYZA SATIVA* L. Poaceae. Rice.

From India. Seed presented by P. N. Mehra, Department of Botany, Punjab University, Chandigarh. Received September 12, 1977. Gauhati, Assam. N = 12.

420199 to 420202. *ALLIUM CEPA* L. Amaryllidaceae. Onion.

From Italy. Seed presented by Marco Badino, Istituto Sperimentale di Orticoltura, Milano. Received October 5, 1977.

420199. 'Borrettana'. Open pollinated, grown in Parma region frequently in *Fusarium* infested soil. Bulbs used for pickles.

420200. 'L.T. Medicina'. 'Dorata' di Parma type selected from the Bologna region.

420201 ME-79. Open pollinated population of 'Dorata' di Parma from the Bologna region.

420202. PR-75. Open-pollinated selection from 'Dorata' di Parma after one cycle of mass selection in *Fusarium* infested soils, Parma region.

420203. *ASCLEPIAS* sp. Asclepiadaceae.

From Honduras. Plants collected April 1977 by E. P. Imle, International Programs Division, Agricultural Research Service, Hyattsville, Maryland. Numbered November 28, 1977.

Collection No. 215. Garden in front of Hotel Honduras Maya, Tegucigalpa. Shrub. Fruits large, dehisce and thick pod walls remain on as an ornamental structure. Cultivated.

420204 to 420208.

From Malaysia. Seeds collected September 1976 by F. L. and C. D. Doleshy, Edmonston, Washington. Numbered November 28, 1977.

420204. *BEGONIA* sp. Begoniaceae.

No. 656. Growing on Mt. Kinabalu, Sabah. Elevation 2540 m. Large, white flowered. Wild.

420205. *NEPENTHES VILLOSA* Hook. f. Nepenthaceae.

No. 650. Growing on Mt. Kinabalu, Sabah. Elevation 2727 m. Wild.

420206. *RHODODENDRON ACUMINATUM* Hook. f. Ericaceae.

No. 612. Growing on Mt. Kinabalu, Sabah. Elevation 3341 m. Wild.

420204 to 420208—Continued

420207. RHODODENDRON FALLACINUM Sleum.

No. 664. Growing on Mt. Kinabalu, Sabah. Elevation 3120 to 3140 m. Wild.

420208. RHODODENDRON RUGOSUM var. CORIFOLIUM (Sleum.) Sleum.

No. 605. Growing on Mt. Kinabalu, Sabah. Elevation 3340 m. Scales indicate apparent effect of introgression by *R. buxifolium* var. *robustum*. Wild.

**420209 to 420225. SOLANUM TOPIRO Humb. & Bonpl. ex Dunal
Solanaceae. Topiro.**

From Brazil. Seed presented by Alejo von der Pahlen, Chefe, Divisao de Ciencias Agronomicas, Instituto Nacional de Pesquisas da Amazonia, Manaus, through Mayaguez Institute of Tropical Agriculture, Mayaguez, Puerto Rico. Received October 7, 1977.

420209. IH-13. 420217. IH-586.

420210. IH-14. 420218. IH-607.

420211. IH-16. 420219. IH-615.

420212. IH-17. 420220. IH-666.

420213. IH-18. 420221. IH-667.

420214. IH-129. 420222. IH-670.

420215. IH-130. 420223. IH-672.

420216. IH-137. 420224. IH-688.

420225. IH-691.

420226 to 420230.

From West Africa. Seed presented by F. W. Martin, Mayaguez Institute of Tropical Agriculture, Mayaguez. Received September 9, 1977.

420226. SOLANUM GILO Raddi Solanaceae. Gilo.

Fruit 5 cm diameter. Green and yellow when eaten, orange when ripe. Edible.

420227 to 420229. SOLANUM INTEGRIFOLIUM Poir.

420227. Fruit 5 cm diameter. Yellow and orange when eaten, orange when ripe. Edible.

420228. Fruit 3 cm diameter. Green and yellow when eaten, red when ripe. Edible.

420229. Fruit 2 cm diameter. Green and yellow when eaten, red when ripe. Edible.

420230. SOLANUM MACROCARPON L.

Fruit 8 cm diameter. Green and yellow when eaten, orange when ripe. Edible.

420231. FRAGARIA VESCA L. Rosaceae. European strawberry.

From Germany. Plants presented by Reinhold Hummel, Stuttgart. Received July 14, 1977.

'Hummi-Grande'.

420232. CORNUS MAS L. Cornaceae. Cornelian-cherry.

From Union of Soviet Socialist Republics. Seed presented by A. P. Plummer, Intermountain Forest and Range Experiment Station, Ephraim, Utah. Received October 21, 1977.

Stavropol market.

420233 and 420234.

From United States. Seed collected by D. E. Clark, Snohomish, Washington. Numbered November 29, 1977.

420233. MIMULUS sp. Scrophulariaceae.

Lake Rowenna, Lake Rebecca area, Kittatas County. Elevation 1454 m. Flowers pink.

420234. MIMULUS sp.

Lake Rowenna, Lake Rebecca area, Kittatas County. Elevation 1454 m. Flowers yellow.

420235 to 420237.

From England. Seed presented by M. O. Humphreys, Department of Botany, University of Liverpool, Liverpool. Received October 7, 1977.

420235 and 420236. AGROSTIS TENUIS Sibth. Poaceae. Colonial bentgrass.

420235. 'Goginan'. Adapted to neutral to low pH.

420236. 'Parys'. Adapted to neutral to low pH.

420237. FESTUCA RUBRA L. Poaceae.

Red fescue.

'Merlin'. Adapted to neutral to high pH.

420238 to 420243. ORYZA SATIVA L. Poaceae.

Rice.

From Dominican Republic. Seed presented by Foreign Agricultural Organization of the United Nations, Santo Domingo. Received September 29, 1977.

420238. Ingle's Largo.

420241. Juma 58.

420239. Juma 10.

420242. Mingolo.

420240. Juma 57.

420243. Tono Brea 439.

420244 to 420252. ZEA MAYS L. Poaceae.

Corn.

From United States. Seed collected by G. N. Nabhan, Department of Plant Sciences, University of Arizona, Tucson, Arizona. Numbered December 13, 1977.

420244. GN 651. Floodplain fields, Sonoran Desert, Ures, Sonora, New Mexico. Flint type, Bonoran-Piman race. Kernels yellow. Cob 17.2 cm long, 18 rows of kernels. Local name Maiz Reventador. Used for pinole and popping. Cultivated.

420245. GN 719. Rand Berger Farm, La Lux near Alamogordo, Otero County, New Mexico. Originally from Sinaloa, Mexico. Flour type. Kernels dark brown to cream. Stalk 1.5 to 2 m tall, ears 108.3 mm long, 8.6 rows of kernels. Local name Chapalote. Cultivated.

420246. GN 720. Hawikuh Trading Post, Zuni Indian Reservation, Zuni, New Mexico. Flint-flour type, Pueblo race. Kernels blue. Local name Blue corn.

420247. GN 721. Sand dunes field, Hopi Indian Reservation, Shungopovi Village, Navajo County, Arizona. Sweet type. Local name tawa'ktci. Cultivated.

420248. GN 722. Sand dunes field, Hopi Indian Reservation, Shungopovi Village, Navajo County, Arizona. Flour type. Kernels red. Local name pala'qua' 3.

420244 to 420252—Continued

420249. GN 723. Sand dunes field, Hopi Indian Reservation, Shungopovi Village, Navajo County, Arizona. Flour type, Pueblo race. Kernels red-purple-black. Local name Koko'ma. Cultivated.

420250. GN 724. Sand dunes field, Hopi Indian Reservation, Shungopovi Village, Navajo County, Arizona. Flint-flour type. Grown in clumps, short stalked, long mesocotyl, long ears. Local name sakwa'fqa' 3. Cultivated.

420251. GN 725. Komatke, Gila River Indian Reservation near Phoenix, Arizona. Flour type, Pima-Papago race. Kernels white to pale yellow. Plants short if planted in spring, tall if planted in summer. Short ears. Local name huhni ("60 day corn"). Cultivated.

420252. GN 726. Floodplain fields, Sonoran Desert, Cucurpe and Ures, Central Sonora, New Mexico. Flint type, Pina-Papago race. Kernels yellow. Cobs 17 to 22 cm long, 14 to 18 rows of kernels per cob. Local name Onaveno.

420253 to 420256.

From Portugal. Seed collected August 1975 by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Numbered December 13, 1977.

420253. *CALENDULA* sp. Asteraceae.

34. Ofir. Cultivated.

420254. *LATHYRUS ODORATUS* L. Fabaceae.

Sweetpea.

33. Porto. Cultivated.

420255. *PINUS* sp. Pinaceae.

74. Porto.

420256. Undetermined Fabaceae.

76. Porto.

420257. RESEDA LUTEA L. Resedaceae.

From Iran. Seed presented by M. R. Moghaddam, University of Tehran, Department of Range and Watershed Management, Karadj. Received October 19, 1977.

420258 to 420266.

From Turkey. Seed presented by O. Tosun, Ziraat Facultesi, Andara Universitesi, Ankara. Numbered December 30, 1977.

420258 to 420262. *BOREAVA ORIENTALIS* Jaub. & Spach Brassicaceae.

420258. 77B16. Polatli.

420261. 77B19. Cihanbeyli.

420259. 77B17. Bala.

420262. 77B20. Sarayonu.

420260. 77B18. Sivrihisar.

420263 to 420266. *CEPHALARIA SYRIACA* (L.) Schrad. Dipsacaceae.

420263. 72C26. Kayseri.

420265. 72C210. Sivas.

420264. 72C66. Urfa

420266. 72C12. Diyarbakir.

420267. LOTUS PURSHIANUS (Benth.) Clements & Clements Fabaceae.

From United States. Seed held by Regional Plant Introduction Station, Agricultural Experiment Station, Geneva, New York. Numbered November 25, 1977.

G-18881. Plant 25 to 50 cm tall, annual. Flowers pinkish.

Trefoil

420267—Continued

Collected winter of 1967 by Soil Conservation Service in California.

420268 to 420319.

From Australia. Seed presented by Commonwealth Scientific and Industrial Research Organization, Division of Tropical Crops and Pastures, Brisbane, through A. E. Grant Lipp, Plant Introduction Officer, Division of Plant Industry, Canberra City. Received September 12, 1977.

- 420268 to 420279. AESCHYNOMENE AMERICANA L. Fabaceae. Jointvetch.**
 420268. C.P.I. 15287. Department of Agriculture, Ceylon.
 420269. C.P.I. 18648. Agricultural Research Station, Lilongwe, Nyasaland.
 420270. C.P.I. 29549. Srisomrong, Thailand.
 420271. C.P.I. 30110. Dry Zone Station, Maha Illuppallama, Ceylon.
 420272. C.P.I. 30656. Agricultural Research Institute, Rangoon, Burma.
 420273. C.P.I. 36373. Director of Agronomic Research, Saigon, South Vietnam.
 420274. C.P.I. 36592. South America.
 420275. C.P.I. 36594. South America.
 420276. C.P.I. 37138. South America.
 420277. C.P.I. 37373. P6703.
 420278. C.P.I. 38308.
 420279. C.P.I. 58522. Hato el Corozo, 133 km southwest of San Fernando, Venezuela.
- 420280. AESCHYNOMENE DENTICULATA Rudd**
 C.P.I. 38175. South America.
- 420281 and 420282. AESCHYNOMENE FALCATA (Poir.) DC.**
 420281. C.P.I. 11500. Original source P.I. 162891 from Paraguay.
 420282. C.P.I. 37301. P6814.
- 420283 to 420289. AESCHYNOMENE INDICA L.**
 420283. CQ 541.
 420284. P4956.
 420285. C.P.I. 36709. Botanic Gardens, University of Tokyo, Japan.
 420286. C.P.I. 38755. Institute Francais d'Afrique, University of Dakar, Senegal.
 420287. C.P.I. 43744. East Province, Zambia.
 420288. C.P.I. 50792. Botanic Gardens, Amsterdam, The Netherlands.
 420289. C.P.I. 50967. Bambej, Senegal.
- 420290. AESCHYNOMENE MICRANTHA DC.**
 C.P.I. 43745. Zambia.
- 420291. AESCHYNOMENE RUDIS Benth.**
 C.P.I. 53951. Instituto Nacional de Tecnologia Agropecuaria, Experiment Station, Colonia-Benitez, Chaco, Argentina.
- 420292. AESCHYNOMENE SENSITIVA Sw.**
 C.P.I. 63920. Agricultural Experiment Station, Paramaribo, Surinam.
- 420293. AESCHYNOMENE UNIFLORA E. Mey.**
 C.P.I. 60164. Layntonde, 64.8 km west of Masaka, Uganda.

420268 to 420319—Continued

420294. AESCHYNOMENE sp.
CQ 993.
420295. AESCHYNOMENE sp.
P7376.
420296. AESCHYNOMENE sp.
C.P.I. 34714. South America.
420297. AESCHYNOMENE sp.
C.P.I. 37139. South America.
420298. AESCHYNOMENE sp.
C.P.I. 37198. P6811.
420299. AESCHYNOMENE sp.
C.P.I. 37229. South America.
420300. AESCHYNOMENE sp.
C.P.I. 37235. South America.
420301. AESCHYNOMENE sp.
C.P.I. 37255. South America.
420302. AESCHYNOMENE sp.
C.P.I. 37264. South America.
420303. AESCHYNOMENE sp.
C.P.I. 37302. P6701.
420304. AESCHYNOMENE sp.
C.P.I. 37327. South America.
420305. AESCHYNOMENE sp.
C.P.I. 37413. P6704.1. Prostrate.
420306. AESCHYNOMENE sp.
C.P.I. 37413. P6704.2. Erect.
420307. AESCHYNOMENE sp.
C.P.I. 37552. South America.
420308. AESCHYNOMENE sp.
C.P.I. 38566.
420309. AESCHYNOMENE sp.
C.P.I. 38759. South America.
420310. AESCHYNOMENE sp.
C.P.I. 39058. Lomas, Paraguay.
420311. AESCHYNOMENE sp.
C.P.I. 40015. Rio Jaguari, 25 km north of Campinas, Sao Paulo, Brazil.
420312. AESCHYNOMENE sp.
C.P.I. 40016. Muwurina, 48 km east of Santa Cruz, Boliva.
420313. AESCHYNOMENE sp.
C.P.I. 40017. Trinidad Experiment Station, Bolivia.
420314. AESCHYNOMENE sp.
C.P.I. 40021. On road to Santa Cruz, 5 km east of Samaipata, Bolivia.
420315. AESCHYNOMENE sp.
C.P.I. 40025. On road to Sete Lagoas, 66 km north of Belo Horizonte, Brazil.

420268 to 420319—Continued.

420316. *AESCHYNOMENE* sp.
C.P.I. 40026. West 125 km of Recife, Pernambuco, Brazil.
420317. *AESCHYNOMENE* sp.
C.P.I. 40027. Western Pernambuco, Brazil.
420318. *AESCHYNOMENE* sp.
C.P.I. 40028. Ceara, Brazil.
420319. *AESCHYNOMENE* sp.
C.P.I. 43192. West of Cruz das Almas, Bahia, Brazil.

420320 to 420322.

From Italy. Seed collected August 1976 by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Numbered December 14, 1977.

420320. *CITRULLUS LANATUS* (Thunb.) Matsum. & Nakai Cucurbitaceae. **Watermelon.**
32. Celle. Crimson sweet type. Cultivated.
- 420321 and 420322. *PHASEOLUS LUNATUS* L. Fabaceae. **Lima bean.**
420321. 21. Mestre market.
420322. 22. Mestre market.

420323 to 420327. *BETULA MAXIMOWICZIANA* Regel Betulaceae. **Monarch birch.**

From Japan. Seed presented by Takeshi Uyemura, Director, Government Forest Experiment Station, Ministry of Agriculture and Forestry, Meguro, Tokyo. Received September 1, 1977.

420323. 76-074. Natural forest, Hokkaido. Elevation 140 m.
420324. 76-082. Natural forest, Hokkaido. Elevation 400 m.
420325. 76-083. Established forest, Hokkaido. Elevation 223 m.
420326. 76-100. Natural forest, Hokkaido. Elevation 460 m.
420327. 76-101. Natural forest, Hokkaido. Elevation 340 m.

420328 to 420332. *CUCURBITA PEPO* L. Cucurbitaceae. **Pumpkin.**

From Turkey. Seed presented by Metin Arican, Agricultural Research Institute, Adapazari, Sakarya, through U. S. Jones, Department of Agronomy and Soils, Glemson University, Clemson, South Carolina. Numbered December 14, 1977.

420328. Seedcoat thin, white. Collected by Mustafa Yenipazar, Serdvan, Merker-Adapazari, Sakarya Province.
420329. Seedcoat segregating for thickness, white. Collected by Fadil Oin, Kurucesme, Kazimpasa, Merker-Adapazari, Sadarya Province.
420330. Seedcoat very thin, silver. Collected by Hasan Atabey, Yukari Calica, Hendek, Sakarya Province.
420331. Seedcoat thin, white. Collected by Nafiz Oin, Kurucesme, Kazimpasa, Merker-Adapazari, Sadarya Province.
420332. Seed coat segregating for thickness, white. Collected by Huriye Hanim, Hanlikoy, Merker-Adapazari, Sadarya Province.

420333 to 420338.

From People's Republic of China. Seed presented by Ministry of Agriculture and Forestry, Peking, through Food and Agriculture Organization, Rome, Italy. Numbered December 14, 1977.

420333 to 420336. *ARACHIS HYPOGAEA* L. Fabaceae.

Peanut.

420333. FAO 44.355. 68-4. Erect. Maturity 145 days. Oil content 51.2 percent.

420334. FAO 44.353. Hua (flower) ll. Erect. Medium-sized pods, nonshattering. Maturity 130 days. Oil content 56 percent.

420335. FAO 44.352. Hua (flower) 27. Erect. Kernels light red, large. Maturity 130 days. Oil content 52 percent, protein 26.8 percent.

420336. FAO 44.354. Hua (flower) 113. Erect. Beak large. Pods medium. Kernels flesh colored. Maturity 130 days. Little fresh seed dormancy. Oil content 58.8 percent.

420337 and 420338. *GLYCINE MAX* (L) Merr. Fabaceae.

Soybean.

420337. FAO 44.357. Feng Shou. Flower white. Seed yellow. Intermediate podding. Early maturity.

420338. FAO 44.358. Yue chin 4. Flower white. Seed yellowish blue with light brown hilum. Determinate podding. Medium to early maturity. High resistance to virus disease.

420339 and 420340. *ARMERIA MARITIMA* (Mill.) Willd. **Plumbaginaceae.**

From Belgium. Seed collected by C. Lefebvre, Laboratoire de Botanique Systematique et D'Ecologie, Universite Libre de Bruxelles, Bruxelles. Received November 9, 1977.

420339. Zinc lead mine, Plombieres, June 1977. Zinc tolerant ecotype in soils of about 2 percent zinc.

420340. Zinc lead mine, Plombieres, September 1977. Zinc tolerant ecotype in soils of about 2 percent zinc.

420341 to 420365. *MANIHOT ESCULENTA* Crantz **Euphorbiaceae. Cassava.**

From Brazil. Seed presented by A. F. Martins, Albano Ferreira Martins, Plantas Mediciniais, Uma Organizacao Tecnica ao Servico da Medicina Cientifica e Caseira, Sao Paulo. Received October 11, 1977.

420341. 'Anaja'. **420354.** 'M. Col.-808.

420342. 'Cachimbo'. **420355.** 'Mameluca'.

420343. 'Chapeu de Sol'. **420356.** 'Mico'.

420344. 'Doroteia'. **420357.** 'Mulatinha'.

420345. 'Engana Ladrao'. **420358.** 'Pretinha'.

420346. 'Guamanara'. **420359.** 'R-18'.

420347. 'Ian-III'. **420360.** 'Riqueza'.

420348. 'Inambu-Roxo'. **420361.** 'Simeao'.

420349. 'Ipean-V'. **420362.** 'Sutinga'.

420350. 'Ipean-12'. **420363.** 'Taina'.

420351. 'Iracema'. **420364.** 'Uapixuma'.

420352. 'Lagoa'. **420365.** 'Vassourinha Branca'.

420353. 'M. Brachyloba'.

- 420366 and 420367.** *ORYZA SATIVA* L. Poaceae. **Rice.**
 From Afghanistan. Seed presented by Agricultural Research Station, Swat, through
 H. C. Neese, Troy, Idaho. Numbered December 15, 1977.
420366. JP 5. Selection from "Kulai" at Parachinar, north-west Frontier Province.
420367. YRL. Originally from Australia. Long grained.
- 420368 to 420432.**
 From Spain. Seed collected 1975-1976 by H. T. Erickson, Department of Horticulture, Purdue University, West Lafayette, Indiana. Numbered December 15, 1977.
- 420368 and 420369.** *ALCEA ROSEA* L. Malvaceae. **Hollyhock.**
420368. 36. Zaragoza. Cultivated.
420369. 37. Zaragoza. Cultivated.
- 420370.** *ANTIRRHINUM* sp. Scrophulariaceae.
45. Ordesa Park. Wild.
- 420371 and 420372.** *ASPARAGUS OFFICINALIS* L. Liliaceae. **Asparagus.**
420371. 23. Logrono. Wild.
420372. 24. Logrono. Cultivated. May be "Blanco de Navarra".
- 420373.** *BRASSICA* sp. Brassicaceae.
25. Calahorra. Cultivated.
- 420374.** *BRYONIA CRETICA* L. Cucurbitaceae.
65. Logrono. Berry red, flower small. Wild.
- 420375.** *CALENDULA* sp. Asteraceae.
35. Zaragoza. Cultivated.
- 420376.** *CALENDULA* sp.
44. San Carlos de la Rapita, Castellon.
- 420377.** *CAPSICUM* sp. Solanaceae.
28. 'Marron'. Merida, Badagos. Canning type. Fairly elongated, bell shaped, mildly pungent. Cultivated.
- 420378.** *CAPSICUM* sp.
29. 'Marron'. Don Benito, Badagos. Canning type. Fairly elongated, bell shaped, mildly pungent. Cultivated.
- 420379.** *CAPSICUM* sp.
30. 'Pico'. Logrono. Canning type. Fairly elongated, bell shaped, slightly pungent. Cultivated.
- 420380.** *CENTAUREA* sp. Asteraceae.
46. Monrepos Pass, Huesca. Wild.
- 420381.** *CENTAUREA* sp.
47. Fundetodos, Zaragoza. Purple.
- 420382 and 420383.** *CHEIRANTHUS CHEIRI* L. Brassicaceae. **Wallflower.**
420382. 39. Zaragoza. Yellow orange. Cultivated.
420383. 40. Zaragoza. Orange. Cultivated.
- 420384.** *CISTUS* sp. Cistaceae.
41. Moncayo Mountain, Zaragoza. White. Wild.

420385. CORONILLA sp. Fabaceae.
59. Fundatodos, Zaragoza. Wild.
420386. CRATEAGUS sp. Rosaceae.
80. Along roadside, Logrono. Wild.
420387. CUCUMIS MELO L. Cucurbitaceae. **Muskmelon.**
26. Market, Valencia. Cultivated.
420388. GLAUCIUM sp. Papaveraceae.
60. Zaragoza. Six siliques. Wild.
420389. LACTUCA SATIVA L. Asteraceae. **Lettuce.**
31. Zaragoza. Romaine type. Cultivated.
420390. LINUM sp. Linaceae.
71. Fundetodos, Zaragoza. Flowers white, 2.54 cm, four petals, five sepals.
420391. MALVA sp. Malvaceae.
57. Logrono. Purple. Wild.
420392. MALVA sp.
58. Montenana. Purple. Wild.
420393. MEDICAGO ARBOREA L. Fabaceae. **Tree alfalfa**
9. Zaragoza. Shrub. Flowers yellow.
- 420394 to 420400. MEDICAGO SATIVA L. Fabaceae. **Alfalfa.**
420394. 1. Along roadside, Zaragoza. Wild.
420395. 2. Along roadside, Logrono. Wild.
420396. 3. Along roadside, Logrono. Wild.
420397. 4. Commercial field, Logrono. Cultivated.
420398. 5. Along roadside, Zaragoza. Wild.
420399. 6. Along roadside, Tauste. Wild.
420400. 7. Zaragoza.
420401. MELILOTUS ALBA Medik. Fabaceae. **White sweetclover.**
11. Along roadside, Logrono. Wild.
420402. PINUS sp. Pinaceae.
75. Gandesa.
420403. PRUNUS sp. Rosaceae.
72. Logrono. Early white flower, berry blue. Wild.
420404. PRUNUS sp.
73. Huesca. Hedge, dark blue, blueberry size fruit. Wild
420405. RHUS sp. Anacardiaceae.
78. Along roadside, Logrono. Wild.
420406. ROSA sp. Rosaceae.
84. Aula Dei, Zaragoza. Climber.
420407. RUBUS sp. Rosaceae.
42. Zaragoza. Early bearing. Wild.
420408. RUBUS sp.
43. Zaragoza. Late bearing. Wild.

420368 to 420432—Continued

420409. *SAMBUCUS* sp. Caprifoliaceae.
79. Along roadside, Logrono. Wild.
420410. *SCABIOSA* sp. Dipsacaceae.
48. Montenana, Zaragoza. Lavender. Wild.
420411. *SILENE* sp. Caryophyllaceae.
66. Monrepos Pass, Huesca. Wild.
420412. *SOLANUM* sp. Solanaceae.
38. Olite, Navarra. Cultivated.
420413. *SOLANUM* sp.
50. Aula Dei, Zaragoza. Fruit yellow.
420414. *SOLANUM* sp.
51. Aula Dei, Zaragoza.
420415. *SOLANUM* sp.
52. Dry wasteland, Torremolinos. Plant thorny. Wild.
420416. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.
10. Zaragoza.
420417. *TRIFOLIUM REPENS* L. White clover.
49. Monrepos Pass, Huesca. Wild.
420418. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
20. Cultivated field, Fundetodos, Zaragoza. Winter type.
420419. *VICIA FABA* L. Fabaceae. Broadbean.
27. Zaragoza. Cultivated.
- 420420 to 420423. *VICIA SATIVA* L. Common vetch.
420420. 12. Zaragoza. Cultivated.
420421. 13. Along roadside, Logrono. Wild.
420422. 16. Fundetodos, Zaragoza Province. Pod 40 mm long, 8 seeds.
420423. 17. Along roadside, Fundetodos, Zaragoza Province. Pod 35 to 40 mm,
7 seeds.
420424. *VICIA* sp.
14. Along roadside, Zaragoza. Pod 25 to 30 mm, 4 to 6 seeds.
420425. *VICIA* sp.
15. Along roadside, Fundetodos, Zaragoza Province. Pod 25 to 30 mm, 4 to 5
seeds.
420426. *VICIA* sp.
18. Along roadside, Logrono. Wild.
420427. Undetermined Fabaceae.
19. Along roadside, El Encin (near Madrid). Wild.
420428. Undetermined
69. Fundetodos, Zaragoza. Five small leaves, straplike at nodes. Wild.
420429. Undetermined
77. Fundetodos, Zaragoza. Flowers yellow. Pod 35 mm, 4 to 5 seeds. Wild.
420430. Undetermined Lamiaceae.
61. Fundatodos, Zaragoza. Native.

420368 to 420432—Continued

420431. Undetermined

62. Fundatodos, Zaragoza. Plant 25.5 cm tall, flowers white, dense cattail spikes. Native. Wild.

420432. Undetermined

63. Montenana, Zaragoza. Plant 47 cm tall. Round cluster of flowers on stem. Wild.

420433 to 420632.

From Yugoslavia. Seed collected in Macedonia Republic and presented by Diamandi Korneti, Zemjodelski Institut, Skopje, under Public Law Project YO-ARS-26. Received October 13, 1977.

420433 to 420445. AVENA SATIVA L. Poaceae. Oats.

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|----------------|----------------|
| 420433. VI/47. | 420440. VI/54. |
| 420434. VI/48. | 420441. VI/55. |
| 420435. VI/49. | 420442. VI/56. |
| 420436. VI/50. | 420443. VI/57. |
| 420437. VI/51. | 420444. VI/58. |
| 420438. VI/52. | 420445. VI/59. |
| 420439. VI/53. | |

420446 to 420525. HORDEUM VULGARE L. Poaceae.. Barley.

| | |
|-----------------|-----------------|
| 420446. IV/175. | 420470. IV/199. |
| 420447. IV/176. | 420471. IV/200. |
| 420448. IV/177. | 420472. IV/201. |
| 420449. IV/178. | 420473. IV/202. |
| 420450. IV/179. | 420474. IV/203. |
| 420451. IV/180. | 420475. IV/204. |
| 420452. IV/181. | 420476. IV/205. |
| 420453. IV/182. | 420477. IV/206. |
| 420454. IV/183. | 420478. IV/207. |
| 420455. IV/184. | 420479. IV/208. |
| 420456. IV/185. | 420480. IV/209. |
| 420457. IV/186. | 420481. IV/210. |
| 420458. IV/187. | 420482. IV/211. |
| 420459. IV/188. | 420483. IV/212. |
| 420460. IV/189. | 420484. IV/213. |
| 420461. IV/190. | 420485. IV/214. |
| 420462. IV/191. | 420486. IV/215. |
| 420463. IV/192. | 420487. IV/216. |
| 420464. IV/193. | 420488. IV/217. |
| 420465. IV/194. | 420489. IV/218. |
| 420466. IV/195. | 420490. IV/219. |
| 420467. IV/196. | 420491. IV/220. |
| 420468. IV/197. | 420492. IV/221. |
| 420469. IV/198. | 420493. IV/222. |

420433 to 420632—Continued**420446 to 420525—Continued**

| | | | |
|---------|---------|---------|---------|
| 420494. | IV/223. | 420510. | IV/239. |
| 420495. | IV/224. | 420511. | IV/240. |
| 420496. | IV/225. | 420512. | IV/241. |
| 420497. | IV/226. | 420513. | IV/242. |
| 420498. | IV/227. | 420514. | IV/243. |
| 420499. | IV/228. | 420515. | IV/244. |
| 420500. | IV/229. | 420516. | IV/245. |
| 420501. | IV/230. | 420517. | IV/246. |
| 420502. | IV/231. | 420518. | IV/247. |
| 420503. | IV/232. | 420519. | IV/248. |
| 420504. | IV/233. | 420520. | IV/249. |
| 420505. | IV/234. | 420521. | IV/250. |
| 420506. | IV/235. | 420522. | IV/251. |
| 420507. | IV/236. | 420523. | IV/252. |
| 420508. | IV/237. | 420524. | IV/253. |
| 420509. | IV/238. | 420525. | IV/254. |

420526 to 420578. SECALE CEREALE L. Poaceae.**Rye.**

| | | | |
|---------|--------|---------|--------|
| 420526. | V/121. | 420551. | V/146. |
| 420527. | V/122. | 420552. | V/147. |
| 420528. | V/123. | 420553. | V/148. |
| 420529. | V/124. | 420554. | V/149. |
| 420530. | V/125. | 420555. | V/150. |
| 420531. | V/126. | 420556. | V/151. |
| 420532. | V/127. | 420557. | V/152. |
| 420533. | V/128. | 420558. | V/153. |
| 420534. | V/129. | 420559. | V/154. |
| 420535. | V/130. | 420560. | V/155. |
| 420536. | V/131. | 420561. | V/156. |
| 420537. | V/132. | 420562. | V/157. |
| 420538. | V/133. | 420563. | V/158. |
| 420539. | V/134. | 420564. | V/159. |
| 420540. | V/135. | 420565. | V/160. |
| 420541. | V/136. | 420566. | V/161. |
| 420542. | V/137. | 420567. | V/162. |
| 420543. | V/138. | 420568. | V/163. |
| 420544. | V/139. | 420569. | V/164. |
| 420545. | V/140. | 420570. | V/165. |
| 420546. | V/141. | 420571. | V/166. |
| 420547. | V/142. | 420572. | V/167. |
| 420548. | V/143. | 420573. | V/168. |
| 420549. | V/144. | 420574. | V/169. |
| 420550. | V/145. | 420575. | V/170. |

420433 to 420632—Continued

420526 to 420578—Continued

420576. V/171.

420578. V/173.

420577. V/172.

420579 to 420632. TRITICUM AESTIVUM L. Poaceae. Common wheat.

420579. I/101.

420606. I/128.

420580. I/102.

420607. I/129.

420581. I/103.

420608. I/130.

420582. I/104.

420609. I/131.

420583. I/105.

420610. I/132.

420584. I/106.

420611. I/133.

420585. I/107.

420612. I/134.

420586. I/108.

420613. I/135.

420587. I/109.

420614. I/136.

420588. I/110.

420615. I/137.

420589. I/111.

420616. I/138.

420590. I/112.

420617. I/139.

420591. I/113.

420618. I/140.

420592. I/114.

420619. I/141.

420593. I/115.

420620. I/142.

420594. I/116.

420621. I/143.

420595. I/117.

420622. I/144.

420596. I/118.

420623. I/145.

420597. I/119.

420624. I/146.

420598. I/120.

420625. I/147.

420599. I/121.

420626. I/148.

420600. I/122.

420627. I/149.

420601. I/123.

420628. I/150.

420602. I/124.

420629. I/151.

420603. I/125.

420630. I/152.

420604. I/126.

420631. I/153.

420605. I/127.

420632. I/154.

420633. PINUS GERARDIANA Wall. ex Lamb. Pinaceae. Pine.

From Afghanistan. Seed presented by Director General, Forestry Department,
Ministry of Agriculture, Kabul. Numbered December 23, 1977.

Indigenous.

420634 to 420647.

From Union of Soviet Socialist Republics. Seed presented by Director, N. I. Vavilov
Institute of Plant Industry, Leningrad. Received September 7, 1977.

420634 to 420636. AVENA SATIVA L. Poaceae. Oats.

420634. VIR 10790. L'govskij 1026. Kursk region.

420635. VIR 10854. Artemovskij 1. Doneck region.

420636. VIR 12037. Sinel'nikovskij 21. Dnepropetrovsk region.

420637 to 420639. HORDEUM VULGARE L. Poaceae. Barley.

420637. VIR 20559. Kharkovskij 60. Kharkov region. Spring type. Drought
resistant.

420634 to 420647—Continued**420637 to 420639—Continued**

420638. VIR 20960. Doneckij 6. Ukraine SSR. Spring type. Drought resistant.

420639. VIR 22364. Oksamyt. Odessa region. Winter type.

420640 to 420641. SECALE CEREALE L. Poaceae. Rye.

420640. VIR 10299. Dankowskie selekcyjne. Originally from Poland. Winter type.

420641. VIR 10445. Verhniacskaia 32. Ukraine SSR. Winter type.

420642 to 420646. TRITICUM AESTIVUM L. Poaceae. Common wheat.

420642. VIR 48067. Prikumskaja 36. Stavropol territory. Winter type. Highly drought resistant.

420643. VIR 48116. Saratovskaja 44. Saratov region. Spring type. Drought resistant.

420644. VIR 48687. Dneprovskaja 775. Ukraine SSR. Winter type. Highly drought resistant.

420645. VIR 49298. Sibiriacka 4. Omsk region. Spring type. Drought resistant.

420646. VIR 51729. Krasnovodopadskaja 210. Kazach region. Winter type. Highly drought resistant.

420647. TRITICUM DURUM Desf. Durum wheat.

VIR 52377. Leucurum 3. Uzbek SSR. Winter type. Highly drought resistant.

420648 to 420697.

From Union of Soviet Socialist Republics. Seed presented by D. D. Brezhnev, N. I.

Vavilov Institute of Plant Industry, Leningrad. Received September 7, 1977.

420648. ASTRAGALUS ALOPECURUS Pall. Fabaceae.

VIR 931.

420649. ASTRAGALUS ASPER Jacq.

VIR 37774. Stavropol territory.

420650 to 420652. ASTRAGALUS CICER L. Milkvetch.

420650. VIR 16155. Armenian territory.

420651. VIR 30663. Georgian territory.

420652. VIR 39149. Krasnodar territory.

420653 to 420659. ASTRAGALUS FALCATUS Lam. Milkvetch.

420653. VIR 16223. Armenian territory.

420654. VIR 16236. Armenian territory.

420655. VIR 16933. Armenian territory.

420656. VIR 27659. Georgian territory.

420657. VIR 30662. Armenian territory.

420658. VIR 37781. Stavropol territory.

420659. VIR 38879. Armenian territory.

420660 to 420664. ASTRAGALUS GALEGIFORMIS L. Milkvetch.

420660. VIR 16147. Armenian territory.

420661. VIR 27657. Chkalov region.

420662. VIR 34230. Stavropol territory.

420663. VIR 37782. Stavropol territory.

420664. VIR 38880. Daghestan.

420648 to 420697—Continued

420665. *ASTRAGALUS GLYCYPHYLLUS* L. **Milkvetch.**
VIR 32716. Georgian territory.
420666. *ASTRAGALUS HAMOSUS* L.
VIR 36334. Turkmenia.
420667. *ASTRAGALUS HETERODONTUS* A. Boriss.
VIR 1049. The Pamirs.
420668. *ASTRAGALUS INTERPOSITUS* A. Boriss.
VIR 345. Stavropol territory.
420669. *ASTRAGALUS LASIOGLOTTIS* Stev.
VIR 37775. Stavropol territory.
- 420670 to 420672. *ASTRAGALUS ONOBRYCHIS* L. **Milkvetch.**
420670. VIR 29639. Moldavian territory.
420671. VIR 35214. Stavropol territory.
420672. VIR 37783. Stavropol territory.
420673. *ASTRAGALUS OXYPTERUS* A. Boriss.
VIR 746.
420674. *ASTRAGALUS PALLESCENS* Bieb.
VIR 37776. Moldavian territory.
420675. *ASTRAGALUS PEDUNCULARIS* Royle **Milkvetch.**
VIR 749.
420676. *ASTRAGALUS PONTICUS* Pall. **Milkvetch.**
VIR 35213. Moldavian territory.
420677. *ASTRAGALUS PESUDONOBRYCHIS* Hort. **Milkvetch.**
VIR 15167. Armenian territory.
420678. *ASTRAGALUS RETAMOCARPUS* Boiss. & Hohen. ex Boiss. **Milkvetch.**
VIR 1125. Turkmen territory.
420679. *ASTRAGALUS RYTILOBUS* Bge.
VIR 37790. Tajik.
420680. *ASTRAGALUS SCHMALHAUSENI* Bge.
VIR 37785. Uzbek.
420681. *ASTRAGALUS TIBETANUS* Benth. ex Bge.
VIR 753. The Pamirs.
420682. *ASTRAGALUS ULIGINOSUS* L. **Milkvetch.**
VIR 933.
420683. *ASTRAGALUS UTRIGER* Pall. **Milkvetch.**
VIR 39150 Stavropol territory.
420684. *ASTRAGALUS VESICARIUS* L. **Milkvetch.**
VIR 36319. Omskij 164. Omsk territory.
420685. *ASTRAGALUS VULPINUS* Willd. **Milkvetch.**
VIR 37786. Kujbyshev territory.
420686. *ASTRAGALUS* sp.
VIR 155. Kazakh territory.
420687. *ASTRAGALUS* sp.
VIR 979. Kazakh territory.

420648 to 420697—Continued

420688. *ASTRAGALUS* sp.
VIR 982. Kazakh territory.
420689. *ASTRAGALUS* sp.
VIR 985. Kazakh territory.
420690. *ASTRAGALUS* sp.
VIR 986. Kazakh territory.
420691. *ASTRAGALUS* sp.
VIR 1121. Fjumen region.
420692. *ASTRAGALUS* sp.
VIR 20241. Voronezh region.
420693. *ASTRAGALUS* sp.
VIR 34424. Amur region.
420694. *ASTRAGALUS* sp.
VIR 37788. Trkutsk region.
420695. *ASTRAGALUS* sp.
VIR 37789. Trkutsk region.
420696. *ASTRAGALUS* sp.
VIR 37833. Kazakh territory.
420697. *ASTRAGALUS* sp.
VIR 39151. Krasnodar territory.

420698 to 420730.

From Israel. Seed presented by J. Mattatia, Division of Plant Introduction, Agricultural Research Organization, Volcani Center, Bet-Dagan. Numbered December 30, 1977.

420698. *ALLIUM AMPELOPRASUM* L. Amaryllidaceae. Leek.
No. 3. Havat Noy.
420699. *ALLIUM COPPOLERI* Tin.
No. 1119. Zion Valley, Jerusalem.
420700. *ALLIUM DESCENDENS* L.
No. 5. Havat Noy.
420701. *ALLIUM ERDELII* Zucc.
No. 6. Havat Noy.
- 420702 to 420706. *ALLIUM NEOPOLITANUM* Cyr.
420702. No. 1019. Top of Har-Giora. Judean Mountains.
420703. No. 1060. Among rocks, Carmel, Nahal Oren.
420704. No. 1078. Along roadside, Lower Galilee, Tiberias.
420705. No. 1097. Har-Giora, Judean Mountains.
420706. No. 1113. Shaar Hagai, pine groves, Judean Mountains.
- 420707 to 420711. *ALLIUM STRAMINEUM* Boiss.
420707. No. 7. Havat Noy.
420708. No. 1081. Shaar Hagai, edges of pine groves, Judean Mountains.
420709. No. 1092. Among rocks, Har-Giora, Judean Mountains.
420710. No. 1109. Shefela, between Nahshon and Bago'a.
420711. No. 1118. Zion Valley, Jerusalem.

420698 to 420730—Continued

420712 and 420713. *ALLIUM TEL-AVIVENSE* Eig.

420712. No. 11. Havat Noy.

420713. Botanical garden.

420714 to 420719. *ALLIUM TRIFOLIATUM* subsp. *HIRSUTUM* (Regel) Kollmann

420714. No. 1024. Among rocks, between Har-Giora and Nes-Harim, Judean Mountains.

420715. No. 1027. Nahal Zanoah, Judean Mountains.

420716. No. 1043. Edges of fields, between Husan and Nehalin, Judean Mountains.

420717. No. 1061. Nahal Oren, Carmel.

420718. No. 1070. Among rocks, between Shaar Haamaqim and Tivon, Lower Galilee.

420719. No. 1112. Pine groves, Shaar Hagai, Judean Mountains.

420720. *ARTEMISIA HERBA-ALBA* Asso Asteraceae.

Be'er Sheba.

420721 to 420726. *CRAMBE HISPANICA* L. Brassicaceae.

420721. No. 1065. Among rocks near cave, Carmel, Cabara.

420722. No. 1068. Along roadside between Shaar Haamaqim and Tivon, Lower Galilee.

420723. No. 1095. Nahal Zanoah, Judean Mountains.

420724. Upper Galilee. Collected by C. Heyn.

420725. Me'arat Hate'omim, Judean Hills. Collected by A. Donin.

420726. Ein-Fara, Judean Mountains. Collected by A. Donin.

420727. *CRAMBE HISPANICA* L. var. *HISPANICA* Brassicaceae.

No. 1051. Carmel.

420728 to 420730. *JUNIPERUS PHOENICEA* L. Cupressaceae. **Phoenicean juniper.**

420728. Jebel Ma'ara.

420729. No. 1029. Jebel Ma'ara, Sinai.

420730. No. 1030. Hebrew University, Jerusalem.

420731. *NICOTIANA TABACUM* L. Solanaceae.

Tobacco.

From Taiwan. Seed presented by Taiwan Tobacco Research Institute, Taiwan.

Received November 10, 1977.

T.T. 5 (Bright).

420732 to 420792.

From Japan. Seed received from Nishinasuno Institute (N1) as part of the United States-Japan National Resources (UJNR) Project on forage crop germplasm exchange and evaluation. Code numbers refer to 1977 National Grassland Research Institute listing. Numbered January 6, 1978.

420732 to 420743. *DACTYLIS GLOMERATA* L. Poaceae.

Orchardgrass.

420732. N1-208001. Bc 4458, Great Britain.

420733. N1-208002. Bc 4458, Great Britain.

420734. N1-208003. Bc 4458, Great Britain.

420735. N1-208004. Bc 4458, Great Britain.

420732 to 420792—Continued**420732 to 42073—Continued**

420736. N1-208005. Bc 4458, Great Britain.
 420737. N1-208006. Bc 4458, Great Britain.
 420738. N1-208007. Bc 4458, Great Britain.
 420739. N1-208008. Bc 4458, Great Britain.
 420740. N1-208009. Bc 4458, Great Britain.
 420741. N1-208010. Bc 4463, Great Britain.
 420742. N1-208011. Bc 4463, Great Britain.
 420743. N1-208012. Bc 4463, Great Britain.
420744 to 420749. DACTYLIS GLOMERATA L.subsp. ASCHERSONIANA (Graebn.) Thell.
 420744. N1-201006. C.P.I. 36836, Australia.
 420745. N1-201007. C.P.I. 36836, Australia.
 420746. N1-201021. C.P.I. 36836, Australia.
 420747. N1-201022. C.P.I. 36836, Australia.
 420748. N1-201023. C.P.I. 36836, Australia.
 420749. N1-201026. C.P.I. 36836, Australia.
420750 to 420762. DACTYLIS GLOMERATA subsp. HISPANICA (Roth) Duby
Spanish orchardgrass.
 420750. N1-209001. Bc 5229, Great Britain.
 420751. N1-209002. Bc 5229, Great Britain.
 420752. N1-209003. Bc 5229, Great Britain.
 420753. N1-209004. Bc 5229, Great Britain.
 420754. N1-209005. Bc 5229, Great Britain.
 420755. N1-209006. Bc 5229, Great Britain.
 420756. N1-209007. Bc 5229, Great Britain.
 420757. N1-209008. Bc 5229, Great Britain.
 420758. N1-209009. Bc 5229, Great Britain.
 420759. N1-209010. Bc 5229, Great Britain.
 420760. N1-209011. Bc 5229, Great Britain.
 420761. N1-209012. Bc 5229, Great Britain.
 420762., N1-209013. Bc 5483, Great Britain.
420763 to 420766. DACTYLIS GLOMERATA subsp. IBIZENSIS (Gandog.) Stebbins & Zohary.
 420763. N1-204001. Tr. SA2. 420765. N1-204003. Tr. SA2.
 420764. N1-204002. Tr. SA2. 420766. N1-204004. Tr. SA2.
420767 to 420770. DACTYLIS GLOMERATA supsp. JUDAICA Stebbins & Zohary.
 420767. N1-202001. Tr. SA2. 420769. N1-202003. Tr. SA2
 420768. N1-202002. Tr SA2. 420770. N1-202004. Tr. SA2.
420771 to 420780. DACTYLIS GLOMERATA subsp. LUSITANICA Stebbins & Zohary
 420771. N1-205001. Originally from Australia.
 420772. N1-205002. Originally from Australia.
 420773. N1-205003. Originally from Australia.
 420774. N1-205004. Originally from Australia.

420732 to 420792—Continued**420771 to 420780—Continued**

420775. N1-205005. Originally from Australia.

420776. N1-205006. Originally from Australia.

420777. N1-205009. Originally from Australia.

420778. N1-205010. Originally from Australia.

420779. N1-205014. Originally from Australia.

420780. N1-205015. Originally from Australia.

420781 to 420786. DACTYLIS GLOMERATA subsp. SANTAI Stebbins & Zohary

420781. N1-206001. Bc 4454, Great Britain.

420782. N1-206002. Bc 4454, Great Britain.

420783. N1-206003. Bc 4454, Great Britain.

420784. N1-206004. Bc 4454, Great Britain.

420785. N1-206005. Bc 4454, Great Britain.

420786. N1-206006. Bc 4454, Great Britain.

420787 to 420791. DACTYLIS MARINA Borrill

420787. N1-210001. Bc 5214, Great Britain.

420788. N1-210002. Bc 5214, Great Britain.

420789. N1-210003. Bc 5214, Great Britain.

420790. N1-210007. Bc 5215, Great Britain.

420791. N1-210008. Bc 5215, Great Britain.

420792. DACTYLIS sp.

N1-200001. FAO 4793, Izmir, Turkey.

420793 to 420806. ORYZA SATIVA L. Poaceae. Rice.

From Taiwan. Seed presented by Y. L. Wu, Kaohsiung District Agricultural Improvement Station, Pingtung. Numbered December 30, 1977.

420793. IR 24. International Rice Research Institute, Manila, Philippines. Maturity 140 days. Leaf blast resistance.

420794. IR 30. International Rice Research Institute, Manila, Philippines. Maturity 130 days. Leaf blast and bacterial leaf blight resistance.

420795. Jen-Ju-Ai 11. People's Republic of China through International Rice Research Institute, Manila, Philippines. Maturity 110 days. Leaf blast and bacterial leaf blight resistance.

420796. Kaohsiung 139. Kaohsiung District Agricultural Improvement Station, Pingtung, Taiwan. Maturity 130 days. Leaf blast and bacterial leaf blight resistance.

420797. Kaohsiung 140. Kaohsiung District Agricultural Improvement Station, Pingtung, Taiwan. Maturity 130 days. Leaf blast and bacterial leaf blight resistance.

420798. Kaohsiung-early 1. Kaohsiung District Agricultural Improvement Station, Pingtung, Taiwan. Maturity 110 days. Bacterial leaf blight resistance.

420799. Kaohsiung-Shen 11. Kaohsiung District Agricultural Improvement Station, Pingtung, Taiwan. Maturity 120 days. Leaf blast resistance.

420800. Kaohsiung-Shen 12. Kaohsiung District Agricultural Improvement Station, Pingtung, Taiwan. Maturity 120 days. Leaf blast resistance.

420793 to 420806—Continued

420801. Kaohsiung-Shen 104. Kaosiung District Agricultural Improvement Station, Pingtung, Taiwan. Maturity 125 days. Leaf blast, bacterial leaf blight, and brown plant hopper resistance.
420802. Nang-Jaw 33. People's Republic of China through International Rice Research Institute, Manila, Philippines. Maturity 110 days. Leaf blast and bacterial leaf blight resistance.
420803. Nang-Keng 31. People's Republic of China through International Rice Research Institute, Manila, Philippines. Maturity 110 days. Bacterial leaf blight resistance.
420804. Nang-Keng 32. People's Republic of China through International Rice Research Institute, Manila, Philippines. Maturity 110 days. Bacterial leaf blight resistance.
420805. Taichung-Shen 3. Tiachung District Agricultural Improvement Station, Taichung, Taiwan. Maturity 130 days. Leaf blast resistance.
420806. Taichung-Shen 5. Tiachung District Agricultural Improvement Station, Taichung, Taiwan. Maturity 120 days. Leaf blast, bacterial leaf blight, and brown plant hopper resistance.

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