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April 1 to June 30, 1993
Nos. 566904-571391



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This inventory is a listing of plant materials introduced into the U.S. National Plant Germplasm System in calendar year 1993. The inventory comprises four separately bound books covering PI numbers 564686–576437. It is not a listing of plant material available for distribution.

Questions and comments about the organization of data and proper identification of plants should be directed to the editor: R.A. Norris, National Germplasm Resources Laboratory, 10300 Baltimore Avenue, Building 003, Room 400, Beltsville, MD 20705.

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Acronyms

For space conservation and consistency in identifying locations, the following acronyms have been used in Plant Inventory 201:

CIANO	- Centro de Investigaciones Agricolas del Noroeste (Mexico)
CIP	- Centro Internacional de la Papa (Peru)
CSIRO	- Commonwealth Scientific and Industrial Research Organization (Australia)
EMBRAPA-	- Empresa Brasileira de Pesquisas Agropecuarias (Brazil)
FAO	- Food and Agriculture Organization of the United Nations
IBPGR	- International Board for Plant Genetic Resources (Italy)
ICARDA	- International Center for Agricultural Research in the Dry Areas (Syria)
ICRISAT	- International Crops Research Institute for the Semi-Arid Tropics
IITA	- International Institute of Tropical Agriculture
INIFAP	- Instituto Nacional de Investigaciones Forestales y Agropecuarias (Mexico)
NBPGR	- National Bureau of Plant Genetics Resources (India)
PGQO	- Plant Germplasm Quarantine Office (USA)
SADCC	- Southern African Development Coordination Conference (Zimbabwe)
USDA-ARS	- U.S. Department of Agriculture, Agricultural Research Service (USA)
USDA-SCS	- U.S. Department of Agriculture, Soil Conservation Service (USA)
VIR	- N.I. Vavilov Institute of Plant Industry (USSR)

PI 566904. *Brassica oleracea* var. *botrytis* L. BRASSICACEAE
Cauliflower green curded

Donated by: Rijk Zwaan Zaadteelt en Zaadhandel B.V., Meo Voto Beheer BV, Netherlands. Received April 02, 1993.

origin: Netherlands. **origin institute:** Rijk Zwaan
Zaadteelt en Zaadhandel B.V., Meo Voto Beheer BV
Netherlands. **cultivar:** 26-50 RZ. **other id:** PVP 9300152.
source: Pending. **group:** PVPO. **patent:** PVPO. Cultivar.
Seed.

PI 566905. *Arachis hypogaea* L. FABACEAE Peanut

Donated by: Florida Agr. Exp. Sta., Florida, United States.
Received April 02, 1993.

origin: United States. **origin institute:** Florida Agr.
Exp. Sta., Florida United States. **cultivar:** ANDRU 93.
other id: PVP 9300153. **source:** Pending. **group:** PVPO.
patent: PVPO. Cultivar. Seed.

PI 566906. *Poa pratensis* L. POACEAE Kentucky bluegrass

Donated by: R.H. Bailey Seed, Inc., United States. Received April
02, 1993.

origin: United States. **origin institute:** R.H. Bailey
Seed, Inc. United States. **cultivar:** SHAMROCK. **other**
id: PVP 9300154. **source:** Pending. **group:** PVPO. **patent:**
PVPO. Cultivar. Seed.

PI 566907. *Phaseolus vulgaris* L. FABACEAE Bean

Donated by: Zaadunie B.V., Netherlands. Received April 02, 1993.

origin: Netherlands. **origin institute:** Zaadunie B.V.
Netherlands. **cultivar:** MASAI. **other id:** PVP 9300155.
source: Pending. **group:** PVPO. **patent:** PVPO. Cultivar.
Seed.

PI 566908. *Phaseolus vulgaris* L. FABACEAE Bean

Donated by: Zaadunie B.V., Netherlands. Received April 02, 1993.

PI 566908-continued

origin: Netherlands. **origin institute:** Zaadunie B.V.
Netherlands. **cultivar:** TESEO. **other id:** PVP 9300156.
source: Pending. **group:** PVPO. **patent:** PVPO. Cultivar.
Seed.

PI 566909. *Brassica napus* L. BRASSICACEAE Rape

Donated by: InterMountain Canola Company, United States. Received
April 02, 1993.

origin: United States. **origin institute:** InterMountain
Canola Company United States. **cultivar:** IMC 02. **other**
id: PVP 9300157. **source:** Pending. **group:** PVPO. **patent:**
PVPO. Cultivar. Seed.

PI 566910. *Brassica napus* L. BRASSICACEAE Rape

Donated by: InterMountain Canola Company, United States. Received
April 02, 1993.

origin: United States. **origin institute:** InterMountain
Canola Company United States. **cultivar:** IMC 130. **other**
id: PVP 9300158. **source:** Pending. **group:** PVPO. **patent:**
PVPO. Cultivar. Seed.

PI 566911. *Lycopersicon esculentum* Miller, nom. cons. SOLANACEAE
Tomato

Donated by: N.C. Agricultural Research Service, North Carolina,
United States. Received April 02, 1993.

origin: United States. **origin institute:** N.C.
Agricultural Research Service, North Carolina United
States. **cultivar:** NC EBR-3. **other id:** PVP 9300159.
source: Pending. **group:** PVPO. **patent:** PVPO. Cultivar.
Seed.

PI 566912. *Lycopersicon esculentum* Miller, nom. cons. SOLANACEAE
Tomato

Donated by: N.C. Agricultural Research Service, North Carolina,
United States. Received April 02, 1993.

origin: United States. **origin institute:** N.C.
Agricultural Research Service, North Carolina United
States. **cultivar:** NC EBR-4. **other id:** PVP 9300160.
source: Pending. **group:** PVPO. **patent:** PVPO. Cultivar.
Seed.

PI 566913. *Lycopersicon esculentum* Miller, nom. cons. SOLANACEAE
Tomato

Donated by: N.C. Agricultural Research Service, North Carolina,
United States. Received April 02, 1993.

origin: United States. **origin institute:** N.C.
Agricultural Research Service, North Carolina United
States. **cultivar:** MONTE VERDE. **other id:** PVP 9300161.
source: Pending. **group:** PVPO. **patent:** PVPO. Cultivar.
Seed.

PI 566914. *Lycopersicon esculentum* Miller, nom. cons. SOLANACEAE
Tomato

Donated by: N.C. Agricultural Research Service, North Carolina,
United States. Received April 02, 1993.

origin: United States. **origin institute:** N.C.
Agricultural Research Service, North Carolina United
States. **cultivar:** NC 109. **other id:** PVP 9300162.
source: Pending. **group:** PVPO. **patent:** PVPO. Cultivar.
Seed.

PI 566915. *Lactuca sativa* L. ASTERACEAE Lettuce

Donated by: Asgrow Seed Company, United States. Received April 02,
1993.

origin: United States. **origin institute:** Asgrow Seed
Company United States. **cultivar:** ACE. **other id:** PVP
9300163. **source:** Pending. **group:** PVPO. **patent:** PVPO.
Cultivar. Seed.

PI 566916. *Lactuca sativa* L. ASTERACEAE Lettuce

Donated by: Harris Moran Seed Company, United States. Received
April 02, 1993.

origin: United States. **origin institute:** Harris Moran
Seed Company United States. **cultivar:** DESERT STORM.
other id: PVP 9300164. **source:** Pending. **group:** PVPO.
patent: PVPO. Cultivar. Seed.

PI 566917. *Lactuca sativa* L. ASTERACEAE Lettuce

Donated by: Asgrow Seed Company, United States. Received April 02,
1993.

PI 566917-continued

origin: United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** DRIFTER. **other id:** PVP 9300165. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566918. *Lactuca sativa* L. ASTERACEAE Lettuce

Donated by: Harris Moran Seed Company, United States. Received April 02, 1993.

origin: United States. **origin institute:** Harris Moran Seed Company United States. **cultivar:** EXPRESS. **other id:** PVP 9300166. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566919. *Lactuca sativa* L. ASTERACEAE Lettuce

Donated by: Harris Moran Seed Company, United States. Received April 02, 1993.

origin: United States. **origin institute:** Harris Moran Seed Company United States. **cultivar:** MOJAVE. **other id:** PVP 9300167. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566920. *Lactuca sativa* L. ASTERACEAE Lettuce

Donated by: Harris Moran Seed Company, United States. Received April 02, 1993.

origin: United States. **origin institute:** Harris Moran Seed Company United States. **cultivar:** PREMIERE. **other id:** PVP 9300168. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566921. *Lactuca sativa* L. ASTERACEAE Lettuce

Donated by: Harris Moran Seed Company, United States. Received April 02, 1993.

origin: United States. **origin institute:** Harris Moran Seed Company United States. **cultivar:** SONORA. **other id:** PVP 9300169. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566922. *Lactuca sativa* L. ASTERACEAE Lettuce

Donated by: Brinker Orsetti Seed Company, Inc., United States.
Received April 02, 1993.

origin: United States. **origin institute:** Brinker Orsetti Seed Company, Inc. United States. **cultivar:** HURON.
other id: PVP 9300170. **source:** Pending. **group:** PVPO.
patent: PVPO. Cultivar. Seed.

PI 566923. *Triticum aestivum* L., nom. cons. POACEAE Wheat

Donated by: Pioneer Hi-Bred International, Inc., United States.
Received April 02, 1993.

origin: United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** WBB28106.
other id: PVP 9300171. **source:** Pending. **group:** PVPO.
patent: PVPO. Cultivar. Seed.

PI 566924. *Triticum aestivum* L., nom. cons. POACEAE Wheat

Donated by: Pioneer Hi-Bred International, Inc., United States.
Received April 02, 1993.

origin: United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** WBC797E1.
other id: PVP 9300172. **source:** Pending. **group:** PVPO.
patent: PVPO. Cultivar. Seed.

PI 566925. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Sure-Grow Seed, Inc., United States. **Received** April 02, 1993.

origin: United States. **origin institute:** Sure-Grow Seed, Inc. United States. **cultivar:** SURE-GROW 501. **other id:** PVP 9300173. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566926. *Festuca arundinacea* Schreber POACEAE Tall fescue

Donated by: Pickseed West, Inc., United States. **Received** April 02, 1993.

origin: United States. **origin institute:** Pickseed West, Inc. United States. **cultivar:** SFL. **other id:** PVP 9300174. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566927. *Gossypium barbadense* L. MALVACEAE Cotton

Donated by: Phytogen, United States. Received April 02, 1993.

origin: United States. **origin institute:** Phytogen
United States. **cultivar:** ORO BLANCO PIMA. **other id:** PVP
9300175. **source:** Pending. **group:** PVPO. **patent:** PVPO.
Cultivar. Seed.

PI 566928. *Oryza sativa* L. POACEAE Rice

Donated by: Hisparroz, S.A., Spain. Received April 02, 1993.

origin: Spain. **origin institute:** Hisparroz, S.A. Spain.
cultivar: DONANA. **other id:** PVP 9300176. **source:**
Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566929. *Hordeum vulgare* L. subsp. *vulgare* POACEAE Winter barley

Donated by: Griffey, C.A., Virginia Agr. Exp. Sta., Virginia
Polytechnic Inst. & State Univ., Blacksburg, Virginia 24061, United
States. **remarks:** Nomini Barley. Received April 02, 1993.

origin: United States. **developed:** T.M. Starling, C.A.
Griffey, A.M. Price, C.W. Roane, W.L. Sisson, D.E. Brann.
origin institute: Virginia Agric. Exp. Station, Virginia
Polytechnic Inst. & State Univ., Blacksburg, Virginia
24061 United States. **origin institute id:** VA 85-44-342.
cultivar: NOMINI. **pedigree:** Boone/Henry//VA 77-12-41.
other id: PVP 9300177. **source:** Pending. **group:** PVPO.
other id: CV-243. **source:** Crop Sci. 34(1):300 1994.
group: CSR-BARLEY. **restricted:** CSR. **patent:** PVPO.
remarks: Six-rowed winter feed barley. Maturity early,
109 days. Med. tall, 102cm. Spikes compact, usually
awnless, but may have short, rough awns on central
spikelets. Early growth semi-prostrate. Winterhardiness
mod. to good. Kernels white, semi-wrinkled, short-haired
rachillas with an avg. grain volume wt. of 595kg/m³. Good
field resist. to powdery mildew, net blotch, scald, spot
blotch, septoria leaf blotch and barley yellow dwarf
virus. Resist. to race 8 of leaf rust, but mod.
susceptible to race 30. Winter Annual. Cultivar. Seed.

PI 566930. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Delta & Pine Land Company, United States. Received
April 02, 1993.

PI 566930-continued

origin: United States. **origin institute:** Delta & Pine Land Company United States. **cultivar:** DP 3589. **other id:** PVP 9300178. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566931. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Delta & Pine Land Company, United States. Received April 02, 1993.

origin: United States. **origin institute:** Delta & Pine Land Company United States. **cultivar:** DP 3606. **other id:** PVP 9300179. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566932. *Brassica napus* L. BRASSICACEAE Rape

Donated by: Ameri-Can Pedigreed Seed Company, United States. Received April 02, 1993.

origin: United States. **origin institute:** Ameri-Can Pedigreed Seed Company United States. **cultivar:** A123L. **other id:** PVP 9300180. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566933. *Poa pratensis* L. POACEAE Kentucky bluegrass

Donated by: Pure-Seed Testing, Inc., United States. Received April 02, 1993.

origin: United States. **origin institute:** Pure-Seed Testing, Inc. United States. **cultivar:** LIVINGSTON. **other id:** PVP 9300181. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566934. *Festuca longifolia* Thuill. POACEAE Hard fescue

Donated by: Pure-Seed Testing, Inc., United States. Received April 02, 1993.

origin: United States. **origin institute:** Pure-Seed Testing, Inc. United States. **cultivar:** PST-4HD. **other id:** PVP 9300182. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566935. *Dactylis glomerata* L. POACEAE Orchardgrass

Donated by: Ag Tech, Inc., United States. Received April 02, 1993.

origin: United States. **origin institute:** Ag Tech, Inc.
United States. **cultivar:** PRO-FILE. **other id:** PVP
9300183. **source:** Pending. **group:** PVPO. **patent:** PVPO.
Cultivar. Seed.

PI 566936. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Northrup King Company, United States. Received April 02, 1993.

origin: United States. **origin institute:** Northrup King
Company United States. **cultivar:** S42-32. **other id:** PVP
9300184. **source:** Pending. **group:** PVPO. **patent:** PVPO.
Cultivar. Seed.

PI 566937. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Northrup King Company, United States. Received April 02, 1993.

origin: United States. **origin institute:** Northrup King
Company United States. **cultivar:** S30-06. **other id:** PVP
9300185. **source:** Pending. **group:** PVPO. **patent:** PVPO.
Cultivar. Seed.

PI 566938. *Zea mays* L. subsp. *mays* POACEAE Corn

Donated by: United AgriSeeds, Inc., United States. Received April 02, 1993.

origin: United States. **origin institute:** United
AgriSeeds, Inc. United States. **cultivar:** CQ702RC.
other id: PVP 9300186. **source:** Pending. **group:** PVPO.
patent: PVPO. Cultivar. Seed.

PI 566939. *Zea mays* L. subsp. *mays* POACEAE Corn

Donated by: United AgriSeeds, Inc., United States. Received April 02, 1993.

origin: United States. **origin institute:** United
AgriSeeds, Inc. United States. **cultivar:** CQ806. **other**
id: PVP 9300187. **source:** Pending. **group:** PVPO. **patent:**
PVPO. Cultivar. Seed.

PI 566940. *Zea mays* L. subsp. *mays* POACEAE Corn

Donated by: United AgriSeeds Company, United States. Received April 02, 1993.

origin: United States. **origin institute:** United AgriSeeds, Inc. United States. **cultivar:** NQ402. **other id:** PVP 9300188. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566941. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Meredith, Jr., W.R., Agricultural Research Service -- USDA, Cotton Physiology & Genetics Research, Stoneville, Mississippi 38776, United States. **remarks:** MD51ne Cotton Variety. Received April 09, 1993.

origin: United States. **developed:** W.R. Meredith, Jr.. **origin institute:** Agricultural Research Service -- USDA, Cotton Physiology and Genetics Res. Unit, P.O. Box 345, Stoneville, Mississippi 38776 United States. **cultivar:** MD51NE. **pedigree:** BC2F2 selection from MD65-11ne/Deltapine 90. **other id:** CV-103. **source:** Crop Sci. 33(6):1415 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Nectariless, smoothleaf, medium maturing. Good insect resistance, high yield and high fiber strength. Extensive tests in 11 states over several years show yield competitive with popular cultivars and fiber strength 10% higher than the previously highest strength cultivar grown in the Delta and Southeastern U.S. Cultivar. Seed.

PI 566942 to 566947. *Gossypium hirsutum* L. MALVACEAE Upland cotton

Donated by: Davis, D.D., New Mexico Agr. Exp. Sta., New Mexico State University, Las Cruces, New Mexico 88003, United States; and Cotton Incorporated. **remarks:** Six Cotton Parental R-Lines. Received April 09, 1993.

PI 566942 **origin:** United States. **developed:** Dick D. Davis. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. **cultivar:** ASAF-88505. **pedigree:** {(Acala 1517 BR-2 sib/Stoneville 213)/(Acala 1517 BR-2 sib)}. **other id:** PL-6. **source:** Crop Sci. 33(6):1428 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Plant type early, compact. May be useful in High Plains hybrids contributing yield, earliness and good fiber properties. Fiber properties generally fall in range of Paymaster HS-26. Gin turnout medium high. Yield potential very good. Spring Annual. Breeding Material. Seed.

PI 566942 to 566947-continued

- PI 566943 **origin:** United States. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. **cultivar:** IBMF-89063. **pedigree:** G. barbadense/G. hirsutum var. marie-galante. **other id:** PL-5. **source:** Crop Sci. 33(6):1428 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Moderately uniform upland phenotype. Short to medium stature. Midseason maturity. Segregates for fertility and other traits including stature, prolificacy and fiber properties. Released to breeders because of unique ancestry. Spring Annual. Breeding Material. Seed.
- PI 566944 **origin:** United States. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. **cultivar:** HPNHF-90013. **pedigree:** Developed over a 15 year period from a very complex series of interspecies (G. hirsutum/G. barbadense) crosses. **other id:** PL-4. **source:** Crop Sci. 33(6):1428 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Segregates for fertility restoration, but the fertile segregants in the population possess and transmit a very high level of fertility to their F1 hybrids. Certain segregants also have high levels of fiber strength. Variability for yield, earliness, and gin turnout can be derived from this germplasm. Moderately susceptible to Verticillium wilt (Verticillium dahliae), indicating a need for mating this line to female parents possessing good wilt tolerance. Spring Annual. Breeding Material. Seed.
- PI 566945 **origin:** United States. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. **cultivar:** PANF-88508. **pedigree:** Pima nectariless/G. barbadense cv. Ashmouni. **other id:** PL-3. **source:** Crop Sci. 33(6):1428 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Upland phenotypes short to medium statured, intermediate between the Plains and Delta plant types and midseason in maturity. Transmits good yield, good fertility and good stress resistance to its progeny. Fiber properties equal or superior to modal Delta cultivars. Needs further selection for trueness to modal type. Spring Annual. Breeding Material. Seed.

PI 566946 **origin:** United States. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. **source history:** Original cross made in 1967 by C.R. Chew, USDA-ARS, Las Cruces. **cultivar:** IV4F-91057. **pedigree:** 25th generation selection from Early Yugoslavian upland/G. barbadense line, Pima 1-71. **other id:** PL-2. **source:** Crop Sci. 33(6):1428 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Upland type in general appearance, but carries some traits inherited from its Pima parent incl. semi-naked seed. Plant short-statured, narrow profile, early maturity. Produced hybrids that compete with Paymaster 145 in northern High Plains, or in late planting situations where earliness is at a premium. Parental line transmits good fertility, heterosis for yield & earliness to its progeny. Hybrids have some tol. to drought & low temp. stress. Better storm resist. than standard Acala cvs., although not stormproof. Fiber strength & maturity good. Staple length tends to be short. Spring Annual. Breeding Material. Seed.

PI 566947 **origin:** United States. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. **cultivar:** BHLF-87049. **pedigree:** Selected from the backcross family {(Dixie King R-Line 11-A/Bobshaw Hi-linter)/Bobshaw Hi-linter)}. **other id:** PL-1. **source:** Crop Sci. 33(6):1428 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Deltatype phenotype. Height medium. Excellent combining ability for yield & gin turnout. Plants show prolific fruit set in mid-season. Bolls medium size. Lint avg. 41%. Fiber shorter, weaker than present commercial Delta cvs. Yield of average BHLF hybrid similar to yields of check cvs. Location x year interactions with specific BHLF hybrid combinations indicate superior hybrids can be identified for certain regions. Pollen fertility ratings show F1 hybrids had the highest fertility of any upland hybrids tested & were almost equal to interspecific hybrids in this respect. Spring Annual. Breeding Material. Seed.

PI 566948 to 566952. *Gossypium hirsutum* L. MALVACEAE Upland cotton

Donated by: Davis, D.D., New Mexico Agr. Exp. Sta., New Mexico State University, Las Cruces, New Mexico 88003, United States; and Cotton Incorporated. **remarks:** Five Cotton Parental B-Lines. Received April 09, 1993.

- PI 566948 **origin:** United States. **developed:** Dick D. Davis. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. **cultivar:** SC5-92106. **pedigree:** Selected from the backcross progeny of [(S51/COKER 310) /S51]. **other id:** PL-11. **source:** Crop Sci. 33(6):1426 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Stature and maturity medium. Hybrid progeny have tended to perform well in spite of moderate susceptibility to Verticillium wilt. Transmits some earliness as well as high yield potential to its progeny. Fiber properties equal to or superior to DPL50 but inferior to Deltapine Acala 90. Will require further reselection for purification. Spring Annual. Breeding Material. Seed.
- PI 566949 **origin:** United States. **developed:** Dick D. Davis. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. **cultivar:** S5E-88093. **pedigree:** Selected from the backcross progeny of {[(S51/TAMCOT SP 21S)/S51]/S51}. **other id:** PL-10. **source:** Crop Sci. 33(6):1426 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Extremely early. Foliage very pubescent. Bolls fully stormproof. Tolerant to Verticillium wilt. Very good general combining ability for yield and earliness in both upland x upland crosses and in interspecific crosses. Parent probably transmits a higher level of earliness and storm resistance to its progeny than any parent yet tested in New Mexico. Spring Annual. Breeding Material. Seed.
- PI 566950 **origin:** United States. **developed:** Dick D. Davis. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. **cultivar:** S5T-88087. **pedigree:** Selected from the backcross progeny of {[(S51/TAMCOT SP 21S)/S51]/S51}. **other id:** PL-9. **source:** Crop Sci. 33(6):1426 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Early, short-statured, cluster type. Resistant to Verticillium wilt. Fiber properties at least equal to Acala 1517. Foliage semi-smooth. Bolls intermediate in stormproofness. Good general combining ability for yield and earliness in both upland x upland crosses and interspecific crosses. Used as the standard upland tester female in the hybrid breeding program in New Mexico. Spring Annual. Breeding Material. Seed.

PI 566951 **origin:** United States. **developed:** Dick D. Davis. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. **cultivar:** S51-88080. **pedigree:** Direct selection out of family S51, [(Acala 1517D/Oklahoma CR-4)/ Stahmann 876 selection]. **other id:** PL-8. **source:** Crop Sci. 33(6):1426 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Plants exceptionally early in maturity, short-statured. Fruiting habit semi-cluster. Bolls non-stormproof. Fiber properties outstanding. Fiber length equal to Acala 1517, micronaire and fiber strength higher. Verticillium wilt resistance good. Excellent general combining ability for yield and earliness in both upland X upland crosses and in interspecific crosses, and a higher gin turnout than the original NX-1 female. Open boll trait and heavy pubescence are its most objectionable features. Spring Annual. Breeding Material. Seed.

PI 566952 **origin:** United States. **developed:** Dick D. Davis. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. **cultivar:** A77-88090. **pedigree:** Inbred selection line out of Acala 1517-77. **other id:** PL-7. **source:** Crop Sci. 33(6):1426 1993. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Standard Acala 1517 fiber quality, which is transmitted to hybrid progeny in additive fashion. Not stormproof, but has better storm resistance than most Acala types. Shown excellent combining ability for yield with several R-Lines, particularly with BHLF and IV4F. Primary weakness is low gin turnout, usually transmitted to its hybrids as the mid-parent value. Even with low gin turnout, hybrids are competitive with the best check cultivars in New Mexico. Spring Annual. Breeding Material. Seed.

PI 566953. *Hordeum vulgare* L. subsp. *vulgare* POACEAE Barley

Donated by: Albrechtsen, R.S., Utah Agr. Exp. Sta., Utah State University, Logan, Utah 84322-4820, United States. **remarks:** Bracken Barley. Received April 16, 1993.

origin: United States. **developed:** R.S. Albrechtsen.
origin institute: Utah Agric. Exp. Station, Utah State University, Dept. of Plants, Soils & Biometeorology, Logan, Utah 84322-4820 United States. **origin institute id:** UT74SDB1-1399. **cultivar:** BRACKEN. **pedigree:** Woodvale//Primus/S.D. 67-297. **other id:** CV-241. **source:** Crop Sci. 33(6):1413 1993. **group:** CSR-BARLEY.
restricted: CSR. **remarks:** Six-rowed, smooth awned, midseason, erect growing, spring feed barley. Aleurone color white. 1000-kernel weight averages 37g. Compared to Steptoe, equal in heading date, plant height and test weight, but has stronger straw (18 vs. 33% lodging for Steptoe). Grain yield 2% lower than Steptoe in Utah tests (5838 vs. 5956kg ha⁻¹) and 9% lower in Western Regional Spring Barley tests (4350 vs. 4770kg ha⁻¹). Averages 2.1 percentage points higher than Steptoe in protein (13.0 vs. 10.9%). Field resistance to barley loose smut & covered smut. Moderate resistance to powdery mildew. Spring Annual. Cultivar. Seed.

PI 566954. *Trifolium pratense* L. FABACEAE Red clover

Donated by: Stratton, S.D., FFR Cooperative, 4112 East State Road 225, West Lafayette, Indiana 47906, United States. **remarks:** Cinnamon Red Clover. Received April 16, 1993.

origin: United States. **developed:** S.D. Stratton. **origin institute:** FFR Cooperative, 4112 East State Road 225, West Lafayette, Indiana 47906 United States. **cultivar:** CINNAMON. **pedigree:** Originated as a seeded strain cross among 3 FFR breeding lines that trace predominately to Arlington, Redman, Chesapeake and Lakeland with smaller contributions from numerous other sources. **other id:** CV-24. **source:** Crop Sci. 34(1):303 1994. **group:** CSR-CLOVER, RED. **restricted:** CSR. **remarks:** Medium red clover with both water marked (77%) and non-marked (23%) leaves. Six days earlier in spring flowering than Arlington and two days later than Kenstar. Flower color 46% dark pink, 37% medium pink, 8% light pink and 9% red. Resistant to northern anthracnose (*Kabatella caulivora*), southern anthracnose (*Colletotrichum trifolii*) and powdery mildew (*Erysiphe polygoni*). Perennial. Cultivar. Seed.

PI 566955 to 567147. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Malang Research Institute for Food Crops, P.O. Box 66, Malang, East Java 66101, Indonesia. **remarks:** Via Ton Rulkin (with the cooperation of Dr. T. Hymowitz, University of Illinois, Department of Agronomy, Urbana, Illinois 61801). Received April 01, 1993.

PI 566955	donor id: MARIF 2501.	origin: Indonesia.	Annual. Cultivated. Seed.
PI 566956	donor id: MARIF 2502.	origin: Indonesia.	Annual. Cultivated. Seed.
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PI 566955 to 567147-continued

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PI 566955 to 567147-continued

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	Cultivated. Seed.		

PI 566955 to 567147-continued

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PI 566955 to 567147-continued

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PI 566955 to 567147-continued

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PI 566955 to 567147-continued

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PI 566955 to 567147-continued

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PI 566955 to 567147-continued

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PI 566955 to 567147-continued

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PI 567122	donor id: MARIF 2789. Cultivated. Seed.	origin: Indonesia.	Annual.

PI 566955 to 567147-continued

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PI 566955 to 567147-continued

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Cultivated. Seed.

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Cultivated. Seed.

PI 567142 donor id: MARIF 2813. origin: Indonesia. Annual.
Cultivated. Seed.

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Cultivated. Seed.

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Cultivated. Seed.

PI 567145 donor id: MARIF 2816. origin: Indonesia. Annual.
Cultivated. Seed.

PI 567146 donor id: MARIF 2817. origin: Indonesia. Annual.
Cultivated. Seed.

PI 567147 donor id: MARIF 2818. origin: Indonesia. Annual.
Cultivated. Seed.

PI 567148. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: IBPGR, Rome, Italy. remarks: IBPGR-sponsored 1984
collection trip. Received April 01, 1993.

donor id: 198b. origin: Nepal. other id: 33. Annual.
Wild. Seed.

PI 567149. *Glycine soja* Siebold & Zucc. FABACEAE Wild soybean

Donated by: IBPGR, Rome, Italy. remarks: IBPGR-sponsored 1984
collection trip. Received April 01, 1993.

donor id: 2290a. origin: Nepal. other id: 44. Annual.
Wild. Seed.

PI 567150. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Malang Research Institute for Food Crops, P.O. Box 66,
Malang, East Java 66101, Indonesia. remarks: Via Ton Rulkin (with
the cooperation of Dr. T. Hymowitz, University of Illinois,
Department of Agronomy, Urbana, Illinois 61801). Received April 01,
1993.

PI 567150-continued

origin: Indonesia. **cultivar:** Meerope. **other id:** SU-16.
Annual. Cultivated. Seed.

PI 567151 to 567155. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Bernard, R.L., University of Illinois, Department of Agronomy, Urbana, Illinois 61801, United States. **remarks:** Via John Konovsky of Washington State University, Pullman, Washington. Received April 01, 1993.

PI 567151 **origin:** Japan. **cultivar:** Kogeki. **remarks:** Landrace known as "dadacha" type in Japan. Annual. Landrace. Seed.

PI 567152 **origin:** Japan. **cultivar:** Shounai No. 1. **remarks:** Landrace known as "dadacha" type in Japan. Annual. Landrace. Seed.

PI 567153 **origin:** Japan. **cultivar:** Shounai No. 2. **remarks:** Landrace known as "dadacha" type in Japan. Annual. Landrace. Seed.

PI 567154 **origin:** Japan. **cultivar:** Wase dadacha. **remarks:** Landrace known as "dadacha" type in Japan. Annual. Landrace. Seed.

PI 567155 **origin:** Japan. **cultivar:** Wase shiroyama dadacha. **remarks:** Landrace known as "dadacha" type in Japan. Annual. Landrace. Seed.

PI 567156 to 567175. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Crop Introduction Laboratory, Institute of Crop Germplasm Resources, Chinese Academy of Agricultural Sciences, Beijing, China. **remarks:** Via Tong Diaxing. Received April 01, 1993.

PI 567156 **origin:** China. **cultivar:** He jiao No. 8. **other id:** 00178. Annual. Landrace. Seed.

PI 567157 **origin:** China. **cultivar:** He jiao No. 11. **other id:** 00179. Annual. Cultivated. Seed.

PI 567158 **origin:** China. **cultivar:** He jiao No. 13. **other id:** 00180. Annual. Cultivated. Seed.

PI 567159 **origin:** China. **cultivar:** He long da dou. **other id:** 00181. Annual. Cultivated. Seed.

PI 567156 to 567175-continued

- PI 567160 **origin:** China. **cultivar:** He long hei mo shi dou. **other id:** 00182. Annual. Cultivated. Seed.
- PI 567161 **origin:** China. **cultivar:** He long hui mao dou. **other id:** 00183. Annual. Cultivated. Seed.
- PI 567162 **origin:** China. **cultivar:** He long lu guo hei dou. **other id:** 00184. Annual. Cultivated. Seed.
- PI 567163 **origin:** China. **cultivar:** He long yong hua dou. **other id:** 00185. Annual. Cultivated. Seed.
- PI 567164 **origin:** China. **cultivar:** He long you tai. **other id:** 00186. Annual. Cultivated. Seed.
- PI 567165 **origin:** China. **cultivar:** He long zao shou dou. **other id:** 00187. Annual. Cultivated. Seed.
- PI 567166 **origin:** China. **cultivar:** He mao. **other id:** 00188. Annual. Cultivated. Seed.
- PI 567167 **origin:** China. **cultivar:** He mao dou. **other id:** 00189. Annual. Cultivated. Seed.
- PI 567168 **origin:** China. **cultivar:** He ping No. 1. **other id:** 00190. Annual. Cultivated. Seed.
- PI 567169 **origin:** China. **cultivar:** He qi feng di huang. **other id:** 00191. Annual. Cultivated. Seed.
- PI 567170 **origin:** China. **cultivar:** He qi ping ding xiang. **other id:** 00192. Annual. Cultivated. Seed.
- PI 567171 **origin:** China. **cultivar:** Hei he No. 1. **other id:** 00194. Annual. Cultivated. Seed.
- PI 567172 **origin:** China. **cultivar:** Hei he No. 3. **other id:** 00195. Annual. Cultivated. Seed.
- PI 567173 **origin:** China. **cultivar:** Hei he No. 51. **other id:** 00196. Annual. Cultivated. Seed.
- PI 567174 **origin:** China. **cultivar:** Hei he No. 54. **other id:** 00197. Annual. Cultivated. Seed.
- PI 567175 **origin:** China. **cultivar:** Hei jia zi. **other id:** 00198. Annual. Cultivated. Seed.

PI 567176 to 567177. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Queensland Dept. of Primary Industries, Gatton Research Station, P.O. Box 241, Gatton, Queensland 4343, Australia.
remarks: Via C. Ron McMahon to R.L. Bernard, University of Illinois, Department of Agronomy, Urbana, Illinois, 61801. Received April 01, 1993.

PI 567176 **origin:** Japan. **cultivar:** Line 18. Annual. Cultivated. Seed.

PI 567177 **origin:** Japan. **cultivar:** Line 9970. Annual. Cultivated. Seed.

PI 567178 to 567179. *Glycine soja* Siebold & Zucc. FABACEAE Wild soybean

Donated by: Johnny's Selected Seeds, Foss Hil Road, Albion, Maine 04910, United States. **remarks:** Via Suzanne Wyrostek, Vegetable Trails Manager. Received April 01, 1993.

* PI 567178 *Glycine max* (L.) Merr. FABACEAE Soybean
origin: United States. **cultivar:** Black Jet. **remarks:** Heirloom variety which may be old domestic variety already in the collection. Annual. Cultivar. Seed.

* PI 567179 *Glycine max* (L.) Merr. FABACEAE Soybean
origin: United States. **cultivar:** Envy. **remarks:** Heirloom variety which may be old domestic variety already in the collection. Annual. Cultivar. Seed.

PI 567180 to 567192. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Agricultural University, Hanoi, Vietnam. **remarks:** Via Emerson D. Nafzinger, Dept. of Agronomy, University of Illinois, Urbana, Illinois, 61801, requested by Dr. T. Hymowitz. Routed through Mennonite Central Committee, Center for Educational Exchange Programs, 28/3 Soi Ton Son, Ploenchit Road, Bangkok 10330, Thailand. Received April 01, 1993.

PI 567180 **origin:** Vietnam. **cultivar:** 140. Annual. Cultivated. Seed.

PI 567181 **origin:** Vietnam. **cultivar:** 861. Annual. Cultivated. Seed.

PI 567182 **origin:** Vietnam. **cultivar:** 862. Annual. Cultivated. Seed.

PI 567183 **origin:** Vietnam. **cultivar:** DH4 (White flowers). Annual. Cultivated. Seed.

PI 567180 to 567192-continued

PI 567184 **origin:** Vietnam. **cultivar:** DT83. Annual. Cultivated.
Seed.

PI 567185 **origin:** Vietnam. **cultivar:** IPK86. Annual. Cultivated.
Seed.

PI 567186 **origin:** Vietnam. **cultivar:** M103. Annual. Cultivated.
Seed.

PI 567187 **origin:** Vietnam. **cultivar:** VX9-1. Annual. Cultivated.
Seed.

PI 567188 **origin:** Vietnam. **cultivar:** VX9-3. Annual. Cultivated.
Seed.

PI 567189 **origin:** Vietnam. **cultivar:** Ekhabac. Annual.
Cultivated. Seed.

PI 567190 **origin:** Vietnam. **cultivar:** Halang 4 tha'ng. Annual.
Cultivated. Seed.

PI 567191 **origin:** Vietnam. **cultivar:** Ouessou. Annual. Cultivated.
Seed.

PI 567192 **origin:** Vietnam. **cultivar:** SRF black. Annual.
Cultivated. Seed.

PI 567193. Glycine soja Siebold & Zucc. FABACEAE Wild soybean

Donated by: Konovsky, J.C., Washington State University, Dept. of
Agronomy and Soils, Pullman, Washington, United States. Received
April 01, 1993.

* Glycine max (L.) Merr. FABACEAE Soybean
origin: UNKNOWN. **source history:** Obtained from Johnny's
Selected Seeds, Foss Hill Road, Albion, Maine, 04910.
cultivar: Butterbean. Annual. Cultivar. Seed.

PI 567194 to 567196. Glycine soja Siebold & Zucc. FABACEAE Wild
soybean

Donated by: Kaiser, W.J., USDA-ARS, Regional Plant Introduction
Station, Washington State University, Pullman, Washington
99164-6402, United States. Received April 01, 1993.

PI 567194 **donor id:** KB-58. **origin:** China. **collected:** 1990.
collector: W.J. Kaiser, F.J. Muehlbauer. Annual. Wild.
Seed.

PI 567194 to 567196-continued

PI 567195 **donor id:** KB-428. **origin:** China. **collected:** 1990.
collector: W.J. Kaiser, F.J. Muehlbauer. Annual. Wild.
Seed.

PI 567196 **donor id:** KB-550. **origin:** China. **collected:** 1990.
collector: W.J. Kaiser, F.J. Muehlbauer. Annual. Wild.
Seed.

PI 567197 to 567209. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Zentralinstitute fur Genetik und,
Kullurpflanzenforschung, Gatersleben, Germany. **remarks:** Via Dr. P.
Hanelt. Received April 01, 1993.

PI 567197 **origin:** Georgia. **cultivar:** GL2501/Orig.. **other id:** SN
521. Annual. Cultivated. Seed.

PI 567198 **origin:** Georgia. **cultivar:** GL2502/Orig.. **other id:** SN
521. Annual. Cultivated. Seed.

PI 567199 **origin:** Georgia. **cultivar:** GL2499. **other id:** SN 537.
Annual. Cultivated. Seed.

PI 567200 **origin:** Georgia. **cultivar:** GL2472/85. **other id:** SN 744.
Annual. Cultivated. Seed.

PI 567201 **origin:** Georgia. **cultivar:** GL2595/Orig.. **other id:** SN
1026. Annual. Cultivated. Seed.

PI 567202 **origin:** Georgia. **cultivar:** GL2532/Orig.. **other id:** SN
1142. Annual. Cultivated. Seed.

PI 567203 **origin:** Georgia. **cultivar:** GL2664/89. **other id:** SN
2240a. Annual. Cultivated. Seed.

PI 567204 **origin:** Georgia. **cultivar:** GL2665/89. **other id:** SN
2240b. Annual. Cultivated. Seed.

PI 567205 **origin:** Georgia. **cultivar:** GL2671/89. **other id:** SN
2240c. Annual. Cultivated. Seed.

PI 567206 **origin:** Georgia. **cultivar:** GL2674/90. **other id:** SN
2240f. Annual. Cultivated. Seed.

PI 567207 **origin:** Georgia. **cultivar:** GL2676/90. **other id:** SN
2240h. Annual. Cultivated. Seed.

PI 567208 **origin:** Georgia. **cultivar:** GL2667/90. **other id:** SN
2406b. Annual. Cultivated. Seed.

PI 567197 to 567209-continued

PI 567209 **origin:** Georgia. **cultivar:** GL 2669/90. **other id:** SN 2406f. Annual. Cultivated. Seed.

PI 567210 to 567229. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Vavilov Institute, 44 Herzen Street, Gatersleben, St. Petersburg, Russian Federation. Received April 01, 1993.

PI 567210 **donor id:** VIR-9515. **origin:** Russian Federation. **cultivar:** Linija N 52-M. Annual. Cultivated. Seed.

PI 567211 **donor id:** VIR-9578. **origin:** Russian Federation. **cultivar:** K-001. Annual. Cultivated. Seed.

PI 567212 **donor id:** VIR-9579. **origin:** Russian Federation. **cultivar:** K-002. Annual. Cultivated. Seed.

PI 567213 **donor id:** VIR-9580. **origin:** Russian Federation. **cultivar:** Al'tair. Annual. Cultivated. Seed.

PI 567214 **donor id:** VIR-9581. **origin:** Russian Federation. **cultivar:** Demetra. Annual. Cultivated. Seed.

PI 567215 **donor id:** VIR-9582. **origin:** Russian Federation. **cultivar:** Juzanka. Annual. Cultivated. Seed.

PI 567216 **donor id:** VIR-9606. **origin:** Russian Federation. **cultivar:** Kievskaja 91. Annual. Cultivated. Seed.

PI 567217 **donor id:** VIR-9607. **origin:** Russian Federation. **cultivar:** Vitiaz' 50. Annual. Cultivated. Seed.

PI 567218 **donor id:** VIR-9608. **origin:** Russian Federation. **cultivar:** Jug 30. Annual. Cultivated. Seed.

PI 567219 **donor id:** VIR-9609. **origin:** Russian Federation. **cultivar:** Sibniik 315. Annual. Cultivated. Seed.

PI 567220 **donor id:** VIR-9610. **origin:** Russian Federation. **cultivar:** Lucezarnaja. Annual. Cultivated. Seed.

PI 567221 **donor id:** VIR-9614. **origin:** Russian Federation. **cultivar:** Bystrica 2. Annual. Cultivated. Seed.

PI 567222 **donor id:** VIR-9615. **origin:** Russian Federation. **cultivar:** Alisa. Annual. Cultivated. Seed.

PI 567223 **donor id:** VIR-9616. **origin:** Russian Federation. **cultivar:** Lad'ja. Annual. Cultivated. Seed.

PI 567210 to 567229-continued

- PI 567224 **donor id:** VIR-9659. **origin:** Russian Federation.
cultivar: Mageva. Annual. Cultivated. Seed.
- PI 567225 **donor id:** VIR-9660. **origin:** Russian Federation.
cultivar: Kisinevskaja 90. Annual. Cultivated. Seed.
- PI 567226 **donor id:** VIR-9661. **origin:** Russian Federation.
cultivar: Har'kovskaja-Zernoukosnaja. Annual.
Cultivated. Seed.
- PI 567227 **donor id:** VIR-9662. **origin:** Russian Federation.
cultivar: Viktorija. Annual. Cultivated. Seed.
- PI 567228 **donor id:** VIR-9663. **origin:** Russian Federation.
cultivar: BM 143. Annual. Cultivated. Seed.
- PI 567229 **donor id:** VIR-9689. **origin:** Russian Federation.
cultivar: Primorskaja 1081. Annual. Cultivated. Seed.

PI 567230 to 567238. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Kaiser, W.J., USDA-ARS, Regional Plant Introduction
Station, Washington State University, Pullman, Washington
99164-6402, United States. Received April 01, 1993.

- PI 567230 **donor id:** WJK-PRC-23. **origin:** China. **collected:** 1990.
collector: W.J. Kaiser, F.J. Muehlbauer. **other id:**
W6-4481. Annual. Cultivated. Seed.
- PI 567231 **donor id:** WJK-PRC-46. **origin:** China. **collected:** 1990.
collector: W.J. Kaiser, F.J. Muehlbauer. **other id:**
W6-4504. Annual. Cultivated. Seed.
- PI 567232 **donor id:** WJK-PRC-49. **origin:** China. **collected:** 1990.
collector: W.J. Kaiser, F.J. Muehlbauer. **other id:**
W6-4507A. Annual. Cultivated. Seed.
- PI 567233 **origin:** China. **collected:** 1990. **collector:** W.J. Kaiser,
F.J. Muehlbauer. **other id:** W6-4507B. Annual.
Cultivated. Seed.
- PI 567234 **origin:** China. **collected:** 1990. **collector:** W.J. Kaiser,
F.J. Muehlbauer. **other id:** W6-4507C. Annual.
Cultivated. Seed.
- PI 567235 **donor id:** WJK-PRC-50. **origin:** China. **collected:** 1990.
collector: W.J. Kaiser, F.J. Muehlbauer. **other id:**
W6-4508. Annual. Cultivated. Seed.

PI 567230 to 567238-continued

- PI 567236 **donor id:** WJK-PRC-102. **origin:** China. **collected:** 1990. **collector:** W.J. Kaiser, F.J. Muehlbauer. **other id:** W6-4560. Annual. Cultivated. Seed.
- PI 567237 **origin:** China. **collected:** 1990. **collector:** W.J. Kaiser, F.J. Muehlbauer. **other id:** W6-6348. Annual. Cultivated. Seed.
- PI 567238 **origin:** China. **collected:** 1990. **collector:** W.J. Kaiser, F.J. Muehlbauer. **other id:** W6-6210. Annual. Cultivated. Seed.

PI 567239 to 567270. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Carter, T.E., USDA-ARS, North Carolina State University, Raleigh, North Carolina, United States. Received April 01, 1993.

- PI 567239 **donor id:** NC 9151. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Ai jiao zao. Annual. Cultivated. Seed.
- PI 567240 **donor id:** NC 9152. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: He pi dou. Annual. Cultivated. Seed.
- PI 567241 **donor id:** NC 9153. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Liu yue bao. Annual. Cultivated. Seed.
- PI 567242 **donor id:** NC 9154. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Liu yue bai. Annual. Cultivated. Seed.
- PI 567243 **donor id:** NC 9155. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Wue yue bai. Annual. Cultivated. Seed.
- PI 567244 **donor id:** NC 9156. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Xiang chun 11. Annual. Cultivated. Seed.
- PI 567245 **donor id:** NC 9157. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Xiang chun 5. Annual. Cultivated. Seed.
- PI 567246 **donor id:** NC 9158. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Wu yu ba. Annual. Cultivated. Seed.

PI 567239 to 567270-continued

- PI 567247 **donor id:** NC 9159. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Liu yu bai. Annual. Cultivated. Seed.
- PI 567248 **donor id:** NC 9160. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Yun yi zao. Annual. Cultivated. Seed.
- PI 567249 **donor id:** NC 9161. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Xiang chun dou 5. Annual. Cultivated. Seed.
- PI 567250 **donor id:** NC 9162. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Xiang chun dou 6. Annual. Cultivated. Seed.
- PI 567251 **donor id:** NC 9163. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Xiang chun dou 10. Annual. Cultivated. Seed.
- PI 567252 **donor id:** NC 9164. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Xiang chun dou 11. Annual. Cultivated. Seed.
- PI 567253 **donor id:** NC 9165. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Xiang chun dou 13. Annual. Cultivated. Seed.
- PI 567254 **donor id:** NC 9166. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Chuan xiang zao 1. Annual. Cultivated. Seed.
- PI 567255 **donor id:** NC 9168. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Liu yue Bai. Annual. Cultivated. Seed.
- PI 567256 **donor id:** NC 9171. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Ai jiao qing. Annual. Cultivated. Seed.
- PI 567257 **donor id:** NC 9172. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Huang pi da dou. Annual. Cultivated. Seed.
- PI 567258 **donor id:** NC 9173. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** He pi dou. Annual. Cultivated. Seed.
- PI 567259 **donor id:** NC 9174. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Ai jiao zao. Annual. Cultivated. Seed.

PI 567239 to 567270-continued

- PI 567260 **donor id:** NC 9175. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Hei dou (Jinxian #1). Annual. Cultivated. Seed.
- PI 567261 **donor id:** NC 9176. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Gu tian type. Annual. Cultivated. Seed.
- PI 567262 **donor id:** NC 9177. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Gu tian type. Annual. Cultivated. Seed.
- PI 567263 **donor id:** NC 9178. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Pu dou 8008. Annual. Cultivated. Seed.
- PI 567264 **donor id:** NC 9179. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Gu tian type. Annual. Cultivated. Seed.
- PI 567265 **donor id:** NC 9180. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Long dou. Annual. Cultivated. Seed.
- PI 567266 **donor id:** NC 9181. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar to: Pu dou 8008. Annual. Cultivated. Seed.
- PI 567267 **donor id:** NC 9182. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Similar: Pu dou 8008w/ Gu tian. Annual. Cultivated. Seed.
- PI 567268 **donor id:** NC 9183. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Local mixed. Annual. Cultivated. Seed.
- PI 567269 **donor id:** NC 9184. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Local mixed. Annual. Cultivated. Seed.
- PI 567270 **donor id:** NC 9185. **origin:** China. **collected:** July 23, 1990. **collector:** T.E. Carter, Bai Xin Xue. **other id:** Local mixed. Annual. Cultivated. Seed.

PI 567271 to 567272. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Asian Vegetable Research Center, Taiwan. **remarks:** Received thru Yun-Tzu Kiang, Department of Plant Biology, University of New Hampshire, Durham, New Hampshire, 03824-3597. Received April 01, 1993.

PI 567271 to 567272-continued

PI 567271 **donor id:** AV 69. **origin:** Taiwan. Annual. Cultivated. Seed.

PI 567272 **donor id:** AV 215. **origin:** Taiwan. Annual. Cultivated. Seed.

PI 567273 to 567283. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Lim, S.M., University of Illinois, Department of Plant Pathology, Urbana, Illinois 61801, United States. Received April 01, 1993.

PI 567273 **origin:** Korea, South. **cultivar:** Back Tac. Annual. Cultivated. Seed.

PI 567274 **origin:** Korea, South. **cultivar:** Bam Kong. Annual. Cultivated. Seed.

PI 567275 **origin:** Korea, South. **cultivar:** Chyusey koukoko. **remarks:** Japanese variety. Annual. Cultivated. Seed.

PI 567276 **origin:** Korea, South. **cultivar:** Fukuichi. **remarks:** Japanese variety. Annual. Cultivated. Seed.

PI 567277 **origin:** Korea, South. **cultivar:** Fukujisi. **remarks:** Japanese variety. Annual. Cultivated. Seed.

PI 567278 **origin:** Korea, South. **cultivar:** Fuuki. **remarks:** Japanese variety. Annual. Cultivated. Seed.

PI 567279 **origin:** Korea, South. **cultivar:** KAS 150-13. Annual. Cultivated. Seed.

PI 567280 **origin:** Korea, South. **cultivar:** KAS 210-9. Annual. Cultivated. Seed.

PI 567281 **origin:** Korea, South. **cultivar:** KLS 88083. Annual. Cultivated. Seed.

PI 567282 **origin:** Korea, South. **cultivar:** Seo-Ri-Tae. Annual. Cultivated. Seed.

PI 567283 **origin:** Korea, South. **cultivar:** Shirojisi. **remarks:** Japanese variety. Annual. Cultivated. Seed.

PI 567284 to 567781. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Institute of Crop Germplasm Resources, Chinese Academy of Agricultural Science, Beijing, China. **remarks:** Cooperative research project between Institute of Crop Germplasm Resources, Chinese Academy of Agricultural Sciences, China; and USDA-ARS. Received April 01, 1993.

PI 567284 **donor id:** ZDD 10965. **origin:** China. **cultivar:** Ba yue zha. Annual. Cultivated. Seed.

PI 567285 **donor id:** ZDD 10968. **origin:** China. **cultivar:** Ba yue zha. Annual. Cultivated. Seed.

PI 567286 **donor id:** ZDD 10972. **origin:** China. **cultivar:** Ba yue zha. Annual. Cultivated. Seed.

PI 567287 **donor id:** ZDD 10957. **origin:** China. **cultivar:** Bai gun dou. Annual. Cultivated. Seed.

PI 567288 **donor id:** ZDD 10964. **origin:** China. **cultivar:** Bai gun dou. Annual. Cultivated. Seed.

PI 567289 **donor id:** ZDD 10969. **origin:** China. **cultivar:** Bai gun dou. Annual. Cultivated. Seed.

PI 567290 **donor id:** ZDD 10992. **origin:** China. **cultivar:** Bai huang dou. Annual. Cultivated. Seed.

PI 567291 **donor id:** ZDD 10961. **origin:** China. **cultivar:** Bai huang dou. Annual. Cultivated. Seed.

PI 567292 **donor id:** ZDD 10994. **origin:** China. **cultivar:** Bai xiong dou. Annual. Cultivated. Seed.

PI 567293 **donor id:** ZDD 10962. **origin:** China. **cultivar:** Ben di huang dou. Annual. Cultivated. Seed.

PI 567294 **donor id:** ZDD 10960. **origin:** China. **cultivar:** Bian huang dou. Annual. Cultivated. Seed.

PI 567295 **donor id:** ZDD 11184. **origin:** China. **cultivar:** Bian huang dou. Annual. Cultivated. Seed.

PI 567296 **donor id:** ZDD 11108. **origin:** China. **cultivar:** Chang yan wo da dou. Annual. Cultivated. Seed.

PI 567297 **donor id:** ZDD 11073. **origin:** China. **cultivar:** Cai dou. Annual. Cultivated. Seed.

PI 567298 **donor id:** ZDD 10980. **origin:** China. **cultivar:** Chan yao dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567299	donor id: ZDD 10996. origin: China. cultivar: Chang man you huang dou. Annual. Cultivated. Seed.
PI 567300	donor id: ZDD 11061. origin: China. cultivar: Da hei dou. Annual. Cultivated. Seed.
PI 567301	donor id: ZDD 11083. origin: China. cultivar: He pi xiao huang dou. Annual. Cultivated. Seed.
PI 567302	donor id: ZDD 11069. origin: China. cultivar: He se huang dou. Annual. Cultivated. Seed.
PI 567303	donor id: ZDD 11049. origin: China. cultivar: Hei da dou. Annual. Cultivated. Seed.
PI 567304	donor id: ZDD 11060. origin: China. cultivar: Hei dou. Annual. Cultivated. Seed.
PI 567305	donor id: ZDD 11047. origin: China. cultivar: Hei dou zi. Annual. Cultivated. Seed.
PI 567306	donor id: ZDD 11043. origin: China. cultivar: Hei gun dou. Annual. Cultivated. Seed.
PI 567307	donor id: ZDD 11055. origin: China. cultivar: Hei huang dou. Annual. Cultivated. Seed.
PI 567308	donor id: ZDD 11174. origin: China. cultivar: Hei huang dou. Annual. Cultivated. Seed.
PI 567309	donor id: ZDD 11175. origin: China. cultivar: Hei huang dou. Annual. Cultivated. Seed.
PI 567310	donor id: ZDD 11176. origin: China. cultivar: Hei huang dou. Annual. Cultivated. Seed.
PI 567311	donor id: ZDD 10984. origin: China. cultivar: Hei pi gu huang dou. Annual. Cultivated. Seed.
PI 567312	donor id: ZDD 11003. origin: China. cultivar: Hei yao huang dou. Annual. Cultivated. Seed.
PI 567313	donor id: ZDD 11096. origin: China. cultivar: Hei yao huang dou. Annual. Cultivated. Seed.
PI 567314	donor id: ZDD 11059. origin: China. cultivar: Hei you huang dou. Annual. Cultivated. Seed.
PI 567315	donor id: ZDD 11182. origin: China. cultivar: Hong huang dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567316 **donor id:** ZDD 11189. **origin:** China. **cultivar:** Hong
huang dou. Annual. Cultivated. Seed.

PI 567317 **donor id:** ZDD 11112. **origin:** China. **cultivar:** Hua huang
dou. Annual. Cultivated. Seed.

PI 567318 **donor id:** ZDD 11105. **origin:** China. **cultivar:** Hua lai
dou. Annual. Cultivated. Seed.

PI 567319 **donor id:** ZDD 10958. **origin:** China. **cultivar:** Huang
dou. Annual. Cultivated. Seed.

PI 567320 **donor id:** ZDD 10974. **origin:** China. **cultivar:** Huang
dou. Annual. Cultivated. Seed.

PI 567321 **donor id:** ZDD 10976. **origin:** China. **cultivar:** Huang
dou. Annual. Cultivated. Seed.

PI 567322 **donor id:** ZDD 10982. **origin:** China. **cultivar:** Huang
dou. Annual. Cultivated. Seed.

PI 567323 **donor id:** ZDD 10985. **origin:** China. **cultivar:** Huang
dou. Annual. Cultivated. Seed.

PI 567324 **donor id:** ZDD 10986. **origin:** China. **cultivar:** Huang
dou. Annual. Cultivated. Seed.

PI 567325 **donor id:** ZDD 10989. **origin:** China. **cultivar:** Huang
dou. Annual. Cultivated. Seed.

PI 567326 **donor id:** ZDD 11001. **origin:** China. **cultivar:** Huang
dou. Annual. Cultivated. Seed.

PI 567327 **donor id:** ZDD 11082. **origin:** China. **cultivar:** Huang
dou. Annual. Cultivated. Seed.

PI 567328 **donor id:** ZDD 10995. **origin:** China. **cultivar:** Huang gun
dou. Annual. Cultivated. Seed.

PI 567329 **donor id:** ZDD 11156. **origin:** China. **cultivar:** Huang
huang dou. Annual. Cultivated. Seed.

PI 567330 **donor id:** ZDD 10967. **origin:** China. **cultivar:** Huang mai
dou. Annual. Cultivated. Seed.

PI 567331 **donor id:** ZDD 10987. **origin:** China. **cultivar:** Huang pi
xiao huang dou. Annual. Cultivated. Seed.

PI 567332 **donor id:** ZDD 10983. **origin:** China. **cultivar:** Huo huang
dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567333	donor id: ZDD 11126. origin: China. cultivar: Ji dan pi. Annual. Cultivated. Seed.
PI 567334	donor id: ZDD 11186. origin: China. cultivar: Jiang dou zi. Annual. Cultivated. Seed.
PI 567335	donor id: ZDD 10975. origin: China. cultivar: Lai da dou. Annual. Cultivated. Seed.
PI 567336	donor id: ZDD 11058. origin: China. cultivar: Lao hei dou. Annual. Cultivated. Seed.
PI 567337	donor id: ZDD 11023. origin: China. cultivar: Lu gun dou. Annual. Cultivated. Seed.
PI 567338	donor id: ZDD 11027. origin: China. cultivar: Lu huang dou. Annual. Cultivated. Seed.
PI 567339	donor id: ZDD 11031. origin: China. cultivar: Lu huang dou. Annual. Cultivated. Seed.
PI 567340	donor id: ZDD 11021. origin: China. cultivar: Lu lai dou. Annual. Cultivated. Seed.
PI 567341	donor id: ZDD 11026. origin: China. cultivar: Lu se da dou. Annual. Cultivated. Seed.
PI 567342	donor id: ZDD 11085. origin: China. cultivar: Ma hei dou. Annual. Cultivated. Seed.
PI 567343	donor id: ZDD 11190. origin: China. cultivar: Ma huang dou. Annual. Cultivated. Seed.
PI 567344	donor id: ZDD 11019. origin: China. cultivar: Mi qiao lu dou. Annual. Cultivated. Seed.
PI 567345	donor id: ZDD 11138. origin: China. cultivar: Niu mao huang. Annual. Cultivated. Seed.
PI 567346	donor id: ZDD 11004. origin: China. cultivar: Niu mao huang dou. Annual. Cultivated. Seed.
PI 567347	donor id: ZDD 11017. origin: China. cultivar: Qian lu gun dou. Annual. Cultivated. Seed.
PI 567348	donor id: ZDD 11009. origin: China. cultivar: Shen huang dou. Annual. Cultivated. Seed.
PI 567349	donor id: ZDD 11116. origin: China. cultivar: Shu pi huang dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

- PI 567350 **donor id:** ZDD 11124. **origin:** China. **cultivar:** Shu pi
huang dou. Annual. Cultivated. Seed.
- PI 567351 **donor id:** ZDD 11098. **origin:** China. **cultivar:** Tu huang
dou. Annual. Cultivated. Seed.
- PI 567352 **donor id:** ZDD 11109. **origin:** China. **cultivar:** Yang yan
qing dou. Annual. Cultivated. Seed.
- PI 567353 **donor id:** ZDD 11103. **origin:** China. **cultivar:** Yang yan
ren dou. Annual. Cultivated. Seed.
- PI 567354 **donor id:** ZDD 11092. **origin:** China. **cultivar:** You huang
dou. Annual. Cultivated. Seed.
- PI 567355 **donor id:** ZDD 10990. **origin:** China. **cultivar:** Yuan
huang dou. Annual. Cultivated. Seed.
- PI 567356 **donor id:** ZDD 11170. **origin:** China. **cultivar:** Zao bai
huang dou. Annual. Cultivated. Seed.
- PI 567357 **donor id:** ZDD 8048. **origin:** China. **cultivar:** Du jia
qiao huang dou. Annual. Cultivated. Seed.
- PI 567358 **donor id:** ZDD 8038. **origin:** China. **cultivar:** He lan
huang dou. Annual. Cultivated. Seed.
- PI 567359 **donor id:** ZDD 1544. **origin:** China. **cultivar:** Hua mei
dou. Annual. Cultivated. Seed.
- PI 567360 **donor id:** ZDD 1538. **origin:** China. **cultivar:** Jin ji hei
yuan yan hei dou. Annual. Cultivated. Seed.
- PI 567361 **donor id:** ZDD 8044. **origin:** China. **cultivar:** Lu fang
huang dou. Annual. Cultivated. Seed.
- PI 567362 **donor id:** ZDD 8047. **origin:** China. **cultivar:** Lu fang
huang dou. Annual. Cultivated. Seed.
- PI 567363 **donor id:** ZDD 1530. **origin:** China. **cultivar:** Ping luo
huang da dou. Annual. Cultivated. Seed.
- PI 567364 **donor id:** ZDD 8035. **origin:** China. **cultivar:** Ping luo
huang da dou. Annual. Cultivated. Seed.
- PI 567365 **donor id:** ZDD 1534. **origin:** China. **cultivar:** Qing da
dou. Annual. Cultivated. Seed.
- PI 567366 **donor id:** ZDD 8049. **origin:** China. **cultivar:** Wu tong
shu huang dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567367 **donor id:** ZDD 8050. **origin:** China. **cultivar:** Wu tong
shu huang dou. Annual. Cultivated. Seed.

PI 567368 **donor id:** ZDD 8041. **origin:** China. **cultivar:** Xi he
huang dou. Annual. Cultivated. Seed.

PI 567369 **donor id:** ZDD 8042. **origin:** China. **cultivar:** Xi he
huang dou. Annual. Cultivated. Seed.

PI 567370 **donor id:** ZDD 1528. **origin:** China. **cultivar:** Xu wang
huang da dou. Annual. Cultivated. Seed.

PI 567371 **donor id:** ZDD 8039. **origin:** China. **cultivar:** Ying nan
huang dou. Annual. Cultivated. Seed.

PI 567372 **donor id:** ZDD 8040. **origin:** China. **cultivar:** Ying nan
huang dou. Annual. Cultivated. Seed.

PI 567373 **donor id:** ZDD 1529. **origin:** China. **cultivar:** Zhong wei
huang da dou. Annual. Cultivated. Seed.

PI 567374 **donor id:** ZDD 3604. **origin:** China. **cultivar:** Ba yue
zha. Annual. Cultivated. Seed.

PI 567375 **donor id:** ZDD 3610. **origin:** China. **cultivar:** Ba yue
zha. Annual. Cultivated. Seed.

PI 567376 **donor id:** ZDD 3623. **origin:** China. **cultivar:** Ba yue
zha. Annual. Cultivated. Seed.

PI 567377 **donor id:** ZDD 3629. **origin:** China. **cultivar:** Ba yue
zha. Annual. Cultivated. Seed.

PI 567378 **donor id:** ZDD 3639. **origin:** China. **cultivar:** Ba yue
zha. Annual. Cultivated. Seed.

PI 567379 **donor id:** ZDD 3614. **origin:** China. **cultivar:** Bai gun
dou. Annual. Cultivated. Seed.

PI 567380 **donor id:** ZDD 3613. **origin:** China. **cultivar:** Bai huai
dou. Annual. Cultivated. Seed.

PI 567381 **donor id:** ZDD 3601. **origin:** China. **cultivar:** Bai ke
huang. Annual. Cultivated. Seed.

PI 567382 **donor id:** ZDD 3631. **origin:** China. **cultivar:** Da bai
dou. Annual. Cultivated. Seed.

PI 567383 **donor id:** ZDD 3638. **origin:** China. **cultivar:** Da ke
huang dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

- PI 567384 **donor id:** ZDD 3637. **origin:** China. **cultivar:** Hu pi dou. Annual. Cultivated. Seed.
- PI 567385 **donor id:** ZDD 3704. **origin:** China. **cultivar:** Hua mao yan huang dou. Annual. Cultivated. Seed.
- PI 567386 **donor id:** ZDD 3625. **origin:** China. **cultivar:** Huang da dou (1). Annual. Cultivated. Seed.
- PI 567387 **donor id:** ZDD 3699. **origin:** China. **cultivar:** Huang huai dou. Annual. Cultivated. Seed.
- PI 567388 **donor id:** ZDD 3700. **origin:** China. **cultivar:** Huang huai dou. Annual. Cultivated. Seed.
- PI 567389 **donor id:** ZDD 3606. **origin:** China. **cultivar:** Hui cuo dou. Annual. Cultivated. Seed.
- PI 567390 **donor id:** ZDD 3632. **origin:** China. **cultivar:** Ji dan pi bai dou. Annual. Cultivated. Seed.
- PI 567391 **donor id:** ZDD 3702. **origin:** China. **cultivar:** Jiang se huang dou. Annual. Cultivated. Seed.
- PI 567392 **donor id:** ZDD 3697. **origin:** China. **cultivar:** Jing yang hong da dou. Annual. Cultivated. Seed.
- PI 567393 **donor id:** ZDD 3602. **origin:** China. **cultivar:** Jiu yue han. Annual. Cultivated. Seed.
- PI 567394 **donor id:** ZDD 3611. **origin:** China. **cultivar:** Jiu yue han. Annual. Cultivated. Seed.
- PI 567395 **donor id:** ZDD 3608. **origin:** China. **cultivar:** Lai wa dou. Annual. Cultivated. Seed.
- PI 567396 **donor id:** ZDD 3607. **origin:** China. **cultivar:** Lao shu pi. Annual. Cultivated. Seed.
- PI 567397 **donor id:** ZDD 3643. **origin:** China. **cultivar:** Lu huang dou. Annual. Cultivated. Seed.
- PI 567398 **donor id:** ZDD 3644. **origin:** China. **cultivar:** Lu lan dou. Annual. Cultivated. Seed.
- PI 567399 **donor id:** ZDD 3603. **origin:** China. **cultivar:** Niu mao huang. Annual. Cultivated. Seed.
- PI 567400 **donor id:** ZDD 3640. **origin:** China. **cultivar:** Niu mao huang. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567401	donor id: ZDD 3705. origin: China. cultivar: Niu niao quan. Annual. Cultivated. Seed.
PI 567402	donor id: ZDD 3600. origin: China. cultivar: Shi yue han. Annual. Cultivated. Seed.
PI 567403	donor id: ZDD 3598. origin: China. cultivar: Shuan huang dou. Annual. Cultivated. Seed.
PI 567404	donor id: ZDD 3592. origin: China. cultivar: Wang shan hou. Annual. Cultivated. Seed.
PI 567405	donor id: ZDD 3593. origin: China. cultivar: Wei zi dou. Annual. Cultivated. Seed.
PI 567406	donor id: ZDD 3701. origin: China. cultivar: Wu se da dou. Annual. Cultivated. Seed.
PI 567407	donor id: ZDD 3630. origin: China. cultivar: Xiao dou. Annual. Cultivated. Seed.
PI 567408	donor id: ZDD 3621. origin: China. cultivar: Xiao jin huang. Annual. Cultivated. Seed.
PI 567409	donor id: ZDD 3626. origin: China. cultivar: Xiao yi wo feng. Annual. Cultivated. Seed.
PI 567410	donor id: ZDD 3597. origin: China. cultivar: Yang huang dou. Annual. Cultivated. Seed.
PI 567411	donor id: ZDD 3713. origin: China. cultivar: Yang yan qing dou. Annual. Cultivated. Seed.
PI 567412	donor id: ZDD 3622. origin: China. cultivar: Yi wo feng. Annual. Cultivated. Seed.
PI 567413	donor id: ZDD 3627. origin: China. cultivar: Yi wo feng. Annual. Cultivated. Seed.
PI 567414	donor id: ZDD 3642. origin: China. cultivar: Zhu ye qing. Annual. Cultivated. Seed.
PI 567415	donor id: ZDD 2093. origin: China. cultivar: Bai da huang dou. Annual. Cultivated. Seed.
PI 567416	donor id: ZDD 1974. origin: China. cultivar: Bai dou. Annual. Cultivated. Seed.
PI 567417	donor id: ZDD 2018. origin: China. cultivar: Bai gun dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567418	donor id: ZDD 2013. origin: China. cultivar: Bai hei dou. Annual. Cultivated. Seed.
PI 567419	donor id: ZDD 2034. origin: China. cultivar: Bai hei dou. Annual. Cultivated. Seed.
PI 567420	donor id: ZDD 2045. origin: China. cultivar: Bai hei dou. Annual. Cultivated. Seed.
PI 567421	donor id: ZDD 2070. origin: China. cultivar: Bai hei dou. Annual. Cultivated. Seed.
PI 567422	donor id: ZDD 2073. origin: China. cultivar: Bai hei dou. Annual. Cultivated. Seed.
PI 567423	donor id: ZDD 2082. origin: China. cultivar: Bai hei dou. Annual. Cultivated. Seed.
PI 567424	donor id: ZDD 2092. origin: China. cultivar: Bai hei dou. Annual. Cultivated. Seed.
PI 567425	donor id: ZDD 1976. origin: China. cultivar: Bai hua huang dou. Annual. Cultivated. Seed.
PI 567426	donor id: ZDD 2010. origin: China. cultivar: Bai huang dou. Annual. Cultivated. Seed.
PI 567427	donor id: ZDD 2011. origin: China. cultivar: Bai huang dou. Annual. Cultivated. Seed.
PI 567428	donor id: ZDD 2014. origin: China. cultivar: Bai ji yao. Annual. Cultivated. Seed.
PI 567429	donor id: ZDD 1983. origin: China. cultivar: Bai pi huang dou. Annual. Cultivated. Seed.
PI 567430	donor id: ZDD 1971. origin: China. cultivar: Da bai pi. Annual. Cultivated. Seed.
PI 567431	donor id: ZDD 2079. origin: China. cultivar: Da dou. Annual. Cultivated. Seed.
PI 567432	donor id: ZDD 2062. origin: China. cultivar: Da yang bai dou. Annual. Cultivated. Seed.
PI 567433	donor id: ZDD 1988. origin: China. cultivar: Er e dan. Annual. Cultivated. Seed.
PI 567434	donor id: ZDD 2087. origin: China. cultivar: Hei bai dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567435	donor id: ZDD 2077.	origin: China.	cultivar: Hei hei dou.	Annual.	Cultivated.	Seed.
PI 567436	donor id: ZDD 2007.	origin: China.	cultivar: Hei jia da huang dou.	Annual.	Cultivated.	Seed.
PI 567437	donor id: ZDD 2048.	origin: China.	cultivar: Hei zui dou.	Annual.	Cultivated.	Seed.
PI 567438	donor id: ZDD 2081.	origin: China.	cultivar: Hei zui huang dou.	Annual.	Cultivated.	Seed.
PI 567439	donor id: ZDD 2057.	origin: China.	cultivar: Hong jia huang dou.	Annual.	Cultivated.	Seed.
PI 567440	donor id: ZDD 1979.	origin: China.	cultivar: Huang dou.	Annual.	Cultivated.	Seed.
PI 567441	donor id: ZDD 2012.	origin: China.	cultivar: Huang dou.	Annual.	Cultivated.	Seed.
PI 567442	donor id: ZDD 2036.	origin: China.	cultivar: Huang dou.	Annual.	Cultivated.	Seed.
PI 567443	donor id: ZDD 2038.	origin: China.	cultivar: Huang dou.	Annual.	Cultivated.	Seed.
PI 567444	donor id: ZDD 2060.	origin: China.	cultivar: Huang dou.	Annual.	Cultivated.	Seed.
PI 567445	donor id: ZDD 2064.	origin: China.	cultivar: Huang dou.	Annual.	Cultivated.	Seed.
PI 567446	donor id: ZDD 2074.	origin: China.	cultivar: Huang dou.	Annual.	Cultivated.	Seed.
PI 567447	donor id: ZDD 2083.	origin: China.	cultivar: Huang dou.	Annual.	Cultivated.	Seed.
PI 567448	donor id: ZDD 2016.	origin: China.	cultivar: Huang gun dou.	Annual.	Cultivated.	Seed.
PI 567449	donor id: ZDD 1995.	origin: China.	cultivar: Huang hei dou.	Annual.	Cultivated.	Seed.
PI 567450	donor id: ZDD 2076.	origin: China.	cultivar: Huang hua dou.	Annual.	Cultivated.	Seed.
PI 567451	donor id: ZDD 1985.	origin: China.	cultivar: Huang mei dou.	Annual.	Cultivated.	Seed.

PI 567284 to 567781-continued

PI 567452 donor id: ZDD 2069. origin: China. cultivar: Huang mei
dou. Annual. Cultivated. Seed.

PI 567453 donor id: ZDD 2084. origin: China. cultivar: Huang mei
dou. Annual. Cultivated. Seed.

PI 567454 donor id: ZDD 1990. origin: China. cultivar: Huang qi
xiao huang dou. Annual. Cultivated. Seed.

PI 567455 donor id: ZDD 2004. origin: China. cultivar: Huang yuan
dou. Annual. Cultivated. Seed.

PI 567456 donor id: ZDD 2056. origin: China. cultivar: Hui bei
jia huang dou. Annual. Cultivated. Seed.

PI 567457 donor id: ZDD 2044. origin: China. cultivar: Hui lao
shu. Annual. Cultivated. Seed.

PI 567458 donor id: ZDD 2008. origin: China. cultivar: Ji li
huang dou. Annual. Cultivated. Seed.

PI 567459 donor id: ZDD 2075. origin: China. cultivar: Ji yao
huang dou. Annual. Cultivated. Seed.

PI 567460 donor id: ZDD 2001. origin: China. cultivar: Luo ge
shan dou. Annual. Cultivated. Seed.

PI 567461 donor id: ZDD 1999. origin: China. cultivar: Mao jia er
xiao huang dou. Annual. Cultivated. Seed.

PI 567462 donor id: ZDD 1977. origin: China. cultivar: Niu yan
jing dou. Annual. Cultivated. Seed.

PI 567463 donor id: ZDD 1991. origin: China. cultivar: Ping ding
shan. Annual. Cultivated. Seed.

PI 567464 donor id: ZDD 2023. origin: China. cultivar: Ping ding
xiao huang dou. Annual. Cultivated. Seed.

PI 567465 donor id: ZDD 1997. origin: China. cultivar: Tian e
dou. Annual. Cultivated. Seed.

PI 567466 donor id: ZDD 1972. origin: China. cultivar: Xiao bai
dou. Annual. Cultivated. Seed.

PI 567467 donor id: ZDD 2067. origin: China. cultivar: Xiao bai
huang dou. Annual. Cultivated. Seed.

PI 567468 donor id: ZDD 2068. origin: China. cultivar: Xiao bai
huang dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567469	donor id: ZDD 1994. origin: China. cultivar: Xiao huang dou. Annual. Cultivated. Seed.
PI 567470	donor id: ZDD 1998. origin: China. cultivar: Xiao jin huang dou. Annual. Cultivated. Seed.
PI 567471	donor id: ZDD 2090. origin: China. cultivar: Xiao jin huang dou. Annual. Cultivated. Seed.
PI 567472	donor id: ZDD 2047. origin: China. cultivar: Yang ge dou. Annual. Cultivated. Seed.
PI 567473	donor id: ZDD 2017. origin: China. cultivar: Yang gun dou. Annual. Cultivated. Seed.
PI 567474	donor id: ZDD 2000. origin: China. cultivar: Ye dou. Annual. Cultivated. Seed.
PI 567475	donor id: ZDD 2072. origin: China. cultivar: Yin e dan. Annual. Cultivated. Seed.
PI 567476	donor id: ZDD 2058. origin: China. cultivar: Yu ci huang. Annual. Cultivated. Seed.
PI 567477	donor id: ZDD 2061. origin: China. cultivar: Yu xuan 12. Annual. Cultivated. Seed.
PI 567478	donor id: ZDD 1978. origin: China. cultivar: Yuan huang dou. Annual. Cultivated. Seed.
PI 567479	donor id: ZDD 2094. origin: China. cultivar: Zui huang dou. Annual. Cultivated. Seed.
PI 567480	donor id: ZDD 1636. origin: China. cultivar: Bang zi shu. Annual. Cultivated. Seed.
PI 567481	donor id: ZDD 1637. origin: China. cultivar: Bao ding huang dou. Annual. Cultivated. Seed.
PI 567482	donor id: ZDD 1684. origin: China. cultivar: Ben di huang. Annual. Cultivated. Seed.
PI 567483	donor id: ZDD 1670. origin: China. cultivar: Da bai mei dou. Annual. Cultivated. Seed.
PI 567484	donor id: ZDD 1586. origin: China. cultivar: Da bai qi. Annual. Cultivated. Seed.
PI 567485	donor id: ZDD 1587. origin: China. cultivar: Da bai qi. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567486	donor id: ZDD 1589. origin: China. cultivar: Da bai qi. Annual. Cultivated. Seed.
PI 567487	donor id: ZDD 1595. origin: China. cultivar: Da mao jiao. Annual. Cultivated. Seed.
PI 567488	donor id: ZDD 1683. origin: China. cultivar: Di liu huang dou -2. Annual. Cultivated. Seed.
PI 567489	donor id: ZDD 1702. origin: China. cultivar: Er da li huang dou. Annual. Cultivated. Seed.
PI 567490	donor id: ZDD 1710. origin: China. cultivar: Er huang dou. Annual. Cultivated. Seed.
PI 567491	donor id: ZDD 1667. origin: China. cultivar: Er huang yang. Annual. Cultivated. Seed.
PI 567492	donor id: ZDD 1731. origin: China. cultivar: Hei bai men huang dou. Annual. Cultivated. Seed.
PI 567493	donor id: ZDD 1686. origin: China. cultivar: Huang dou. Annual. Cultivated. Seed.
PI 567494	donor id: ZDD 1689. origin: China. cultivar: Huang dou. Annual. Cultivated. Seed.
PI 567495	donor id: ZDD 1692. origin: China. cultivar: Huang dou. Annual. Cultivated. Seed.
PI 567496	donor id: ZDD 1697. origin: China. cultivar: Huang dou. Annual. Cultivated. Seed.
PI 567497	donor id: ZDD 1715. origin: China. cultivar: Huang dou. Annual. Cultivated. Seed.
PI 567498	donor id: ZDD 1717. origin: China. cultivar: Huang dou. Annual. Cultivated. Seed.
PI 567499	donor id: ZDD 1718. origin: China. cultivar: Huang dou. Annual. Cultivated. Seed.
PI 567500	donor id: ZDD 1725. origin: China. cultivar: Huang dou. Annual. Cultivated. Seed.
PI 567501	donor id: ZDD 1730. origin: China. cultivar: Huang dou. Annual. Cultivated. Seed.
PI 567502	donor id: ZDD 1703. origin: China. cultivar: Niu jiao qi huang dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567503	donor id: ZDD 1735. origin: China. cultivar: Niu mao huang. Annual. Cultivated. Seed.
PI 567504	donor id: ZDD 1611. origin: China. cultivar: Tu er dun. Annual. Cultivated. Seed.
PI 567505	donor id: ZDD 1612. origin: China. cultivar: Tu er yan. Annual. Cultivated. Seed.
PI 567506	donor id: ZDD 1623. origin: China. cultivar: Wang jia gou huang dou. Annual. Cultivated. Seed.
PI 567507	donor id: ZDD 1722. origin: China. cultivar: Xiao huang dou -2. Annual. Cultivated. Seed.
PI 567508	donor id: ZDD 1685. origin: China. cultivar: Xiao huang dou. Annual. Cultivated. Seed.
PI 567509	donor id: ZDD 1734. origin: China. cultivar: Xiao li bai dou. Annual. Cultivated. Seed.
PI 567510	donor id: ZDD 1610. origin: China. cultivar: Xiao li tie jia hei. Annual. Cultivated. Seed.
PI 567511	donor id: ZDD 1648. origin: China. cultivar: Yi wo hou. Annual. Cultivated. Seed.
PI 567512	donor id: ZDD 1628. origin: China. cultivar: Yuan huang dou. Annual. Cultivated. Seed.
PI 567513	donor id: ZDD 1716. origin: China. cultivar: Zhua zi tui huang dou. Annual. Cultivated. Seed.
PI 567514	donor id: ZDD 2726. origin: China. cultivar: Ai jie li huang dou. Annual. Cultivated. Seed.
PI 567515	donor id: ZDD 2747. origin: China. cultivar: Ba yue huang. Annual. Cultivated. Seed.
PI 567516	donor id: ZDD 2746. origin: China. cultivar: Ba yue zha. Annual. Cultivated. Seed.
PI 567517	donor id: ZDD 2655. origin: China. cultivar: Bai dou. Annual. Cultivated. Seed.
PI 567518	donor id: ZDD 2749. origin: China. cultivar: Bai guo zi dou. Annual. Cultivated. Seed.
PI 567519	donor id: ZDD 2716. origin: China. cultivar: Bai hua chi. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567520	donor id: ZDD 2704. origin: China. cultivar: Bai hua zao. Annual. Cultivated. Seed.
PI 567521	donor id: ZDD 2664. origin: China. cultivar: Bai jia. Annual. Cultivated. Seed.
PI 567522	donor id: ZDD 2687. origin: China. cultivar: Bai mi lan. Annual. Cultivated. Seed.
PI 567523	donor id: ZDD 2660. origin: China. cultivar: Bao jie huang. Annual. Cultivated. Seed.
PI 567524	donor id: ZDD 2651. origin: China. cultivar: Ba yue mang. Annual. Cultivated. Seed.
PI 567525	donor id: ZDD 2722. origin: China. cultivar: Cao qing huang dou. Annual. Cultivated. Seed.
PI 567526	donor id: ZDD 2752. origin: China. cultivar: Cao si li. Annual. Cultivated. Seed.
PI 567527	donor id: ZDD 2758. origin: China. cultivar: Da hong hua. Annual. Cultivated. Seed.
PI 567528	donor id: ZDD 2754. origin: China. cultivar: Da si li. Annual. Cultivated. Seed.
PI 567529	donor id: ZDD 2665. origin: China. cultivar: Da xiang dou. Annual. Cultivated. Seed.
PI 567530	donor id: ZDD 2659. origin: China. cultivar: Da zi hua. Annual. Cultivated. Seed.
PI 567531	donor id: ZDD 2740. origin: China. cultivar: Dai dou zi. Annual. Cultivated. Seed.
PI 567532	donor id: ZDD 2677. origin: China. cultivar: Dai ye xiao huang dou. Annual. Cultivated. Seed.
PI 567533	donor id: ZDD 2733. origin: China. cultivar: Dang nian chen. Annual. Cultivated. Seed.
PI 567534	donor id: ZDD 2753. origin: China. cultivar: Dang nian chen. Annual. Cultivated. Seed.
PI 567535	donor id: ZDD 2729. origin: China. cultivar: Er bai guo. Annual. Cultivated. Seed.
PI 567536	donor id: ZDD 2658. origin: China. cultivar: Gong fu dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567537	donor id: ZDD 2679. origin: China. cultivar: Gu li hun. Annual. Cultivated. Seed.
PI 567538	donor id: ZDD 2699. origin: China. cultivar: Gu li hun. Annual. Cultivated. Seed.
PI 567539	donor id: ZDD 2705. origin: China. cultivar: Gu li hun. Annual. Cultivated. Seed.
PI 567540	donor id: ZDD 2718. origin: China. cultivar: Gu li hun. Annual. Cultivated. Seed.
PI 567541	donor id: ZDD 2719. origin: China. cultivar: Gun li huang. Annual. Cultivated. Seed.
PI 567542	donor id: ZDD 2720. origin: China. cultivar: Gu li huang. Annual. Cultivated. Seed.
PI 567543	donor id: ZDD 2734. origin: China. cultivar: He nan chun. Annual. Cultivated. Seed.
PI 567544	donor id: ZDD 2685. origin: China. cultivar: Hei men huang dou zi. Annual. Cultivated. Seed.
PI 567545	donor id: ZDD 2732. origin: China. cultivar: Hei qi huang dou. Annual. Cultivated. Seed.
PI 567546	donor id: ZDD 2683. origin: China. cultivar: Hei ying huang. Annual. Cultivated. Seed.
PI 567547	donor id: ZDD 2760. origin: China. cultivar: Hu li hun. Annual. Cultivated. Seed.
PI 567548	donor id: ZDD 2708. origin: China. cultivar: Hua li hu zi. Annual. Cultivated. Seed.
PI 567549	donor id: ZDD 2707. origin: China. cultivar: Hua ye zi. Annual. Cultivated. Seed.
PI 567550	donor id: ZDD 2728. origin: China. cultivar: Huang jia zi. Annual. Cultivated. Seed.
PI 567551	donor id: ZDD 2713. origin: China. cultivar: Huang li. Annual. Cultivated. Seed.
PI 567552	donor id: ZDD 2675. origin: China. cultivar: Huang si li. Annual. Cultivated. Seed.
PI 567553	donor id: ZDD 2620. origin: China. cultivar: Jin dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567554	donor id: ZDD 2693. origin: China. cultivar: Jin huang dou. Annual. Cultivated. Seed.
PI 567555	donor id: ZDD 2682. origin: China. cultivar: Kai guo lan. Annual. Cultivated. Seed.
PI 567556	donor id: ZDD 2725. origin: China. cultivar: Kao shan hong. Annual. Cultivated. Seed.
PI 567557	donor id: ZDD 2742. origin: China. cultivar: Li huang dou. Annual. Cultivated. Seed.
PI 567558	donor id: ZDD 2669. origin: China. cultivar: Liu shi ri jin huang da dou. Annual. Cultivated. Seed.
PI 567559	donor id: ZDD 2730. origin: China. cultivar: Liu yue xian. Annual. Cultivated. Seed.
PI 567560	donor id: ZDD 2756. origin: China. cultivar: Liu yue xian. Annual. Cultivated. Seed.
PI 567561	donor id: ZDD 2702. origin: China. cultivar: Lou gan huang. Annual. Cultivated. Seed.
PI 567562	donor id: ZDD 2711. origin: China. cultivar: Lou gan huang. Annual. Cultivated. Seed.
PI 567563	donor id: ZDD 2617. origin: China. cultivar: Luan jin huang. Annual. Cultivated. Seed.
PI 567564	donor id: ZDD 2647. origin: China. cultivar: Mao huang dou. Annual. Cultivated. Seed.
PI 567565	donor id: ZDD 2648. origin: China. cultivar: Mao huang dou. Annual. Cultivated. Seed.
PI 567566	donor id: ZDD 2571. origin: China. cultivar: Mou ping ping ding huang. Annual. Cultivated. Seed.
PI 567567	donor id: ZDD 2663. origin: China. cultivar: Niu mao huang. Annual. Cultivated. Seed.
PI 567568	donor id: ZDD 2645. origin: China. cultivar: Ping ding huang. Annual. Cultivated. Seed.
PI 567569	donor id: ZDD 2653. origin: China. cultivar: Ping ding huang. Annual. Cultivated. Seed.
PI 567570	donor id: ZDD 2662. origin: China. cultivar: Ping ding huang. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567571	donor id: ZDD 2670. origin: China. cultivar: Ping ding huang. Annual. Cultivated. Seed.
PI 567572	donor id: ZDD 2688. origin: China. cultivar: Ping ding huang. Annual. Cultivated. Seed.
PI 567573	donor id: ZDD 2690. origin: China. cultivar: Ping ding huang. Annual. Cultivated. Seed.
PI 567574	donor id: ZDD 2710. origin: China. cultivar: Ping ding huang. Annual. Cultivated. Seed.
PI 567575	donor id: ZDD 2715. origin: China. cultivar: Ping ding huang. Annual. Cultivated. Seed.
PI 567576	donor id: ZDD 2723. origin: China. cultivar: Ping ding huang. Annual. Cultivated. Seed.
PI 567577	donor id: ZDD 2731. origin: China. cultivar: Ping ding huang. Annual. Cultivated. Seed.
PI 567578	donor id: ZDD 2680. origin: China. cultivar: Ping ding si. Annual. Cultivated. Seed.
PI 567579	donor id: ZDD 2739. origin: China. cultivar: Ping wang dou zi. Annual. Cultivated. Seed.
PI 567580	donor id: ZDD 2672. origin: China. cultivar: Qi si mi. Annual. Cultivated. Seed.
PI 567581	donor id: ZDD 2649. origin: China. cultivar: Qi si wa. Annual. Cultivated. Seed.
PI 567582	donor id: ZDD 2684. origin: China. cultivar: Qi si wa. Annual. Cultivated. Seed.
PI 567583	donor id: ZDD 2673. origin: China. cultivar: Qi tu gu. Annual. Cultivated. Seed.
PI 567584	donor id: ZDD 2694. origin: China. cultivar: Qi yue mang. Annual. Cultivated. Seed.
PI 567585	donor id: ZDD 2700. origin: China. cultivar: Ri zhao huang. Annual. Cultivated. Seed.
PI 567586	donor id: ZDD 2755. origin: China. cultivar: San hua cao. Annual. Cultivated. Seed.
PI 567587	donor id: ZDD 2666. origin: China. cultivar: Si li da dou. Annual. Cultivated. Seed.

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PI 567588	donor id: ZDD 2727. origin: China. cultivar: Si li qiu dou. Annual. Cultivated. Seed.
PI 567589	donor id: ZDD 2691. origin: China. cultivar: Wan dou li da dou. Annual. Cultivated. Seed.
PI 567590	donor id: ZDD 2735. origin: China. cultivar: Wu ye zi. Annual. Cultivated. Seed.
PI 567591	donor id: ZDD 2656. origin: China. cultivar: Xi hai zhuang da dou. Annual. Cultivated. Seed.
PI 567592	donor id: ZDD 2671. origin: China. cultivar: Xiao bai dou. Annual. Cultivated. Seed.
PI 567593	donor id: ZDD 2674. origin: China. cultivar: Xiao bai dou. Annual. Cultivated. Seed.
PI 567594	donor id: ZDD 2761. origin: China. cultivar: Xiao bai jiao. Annual. Cultivated. Seed.
PI 567595	donor id: ZDD 2717. origin: China. cultivar: Xiao hei mei. Annual. Cultivated. Seed.
PI 567596	donor id: ZDD 2724. origin: China. cultivar: Xiao hong jia. Annual. Cultivated. Seed.
PI 567597	donor id: ZDD 2650. origin: China. cultivar: Xiao huang dou. Annual. Cultivated. Seed.
PI 567598	donor id: ZDD 2668. origin: China. cultivar: Xiao jin huang lu dou. Annual. Cultivated. Seed.
PI 567599	donor id: ZDD 2661. origin: China. cultivar: Xiao ping ding huang. Annual. Cultivated. Seed.
PI 567600	donor id: ZDD 2741. origin: China. cultivar: Xiao pu di hei. Annual. Cultivated. Seed.
PI 567601	donor id: ZDD 2745. origin: China. cultivar: Xiao tie jiao. Annual. Cultivated. Seed.
PI 567602	donor id: ZDD 2757. origin: China. cultivar: Xiao tie ke. Annual. Cultivated. Seed.
PI 567603	donor id: ZDD 2751. origin: China. cultivar: Xiao wu ye. Annual. Cultivated. Seed.
PI 567604	donor id: ZDD 2570. origin: China. cultivar: Xin huang dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567605	donor id: ZDD 2692. origin: China. cultivar: Yan li dou. Annual. Cultivated. Seed.
PI 567606	donor id: ZDD 2697. origin: China. cultivar: Yi wo hou. Annual. Cultivated. Seed.
PI 567607	donor id: ZDD 2696. origin: China. cultivar: Yuan dou. Annual. Cultivated. Seed.
PI 567608	donor id: ZDD 2712. origin: China. cultivar: Zhu yan. Annual. Cultivated. Seed.
PI 567609	donor id: ZDD 2616. origin: China. cultivar: Zi jie huang. Annual. Cultivated. Seed.
PI 567610	donor id: ZDD 3211. origin: China. cultivar: Bai wu ke dou. Annual. Cultivated. Seed.
PI 567611	donor id: ZDD 3200. origin: China. cultivar: Ba yue zha. Annual. Cultivated. Seed.
PI 567612	donor id: ZDD 3193. origin: China. cultivar: Bo ai er zi bai dou. Annual. Cultivated. Seed.
PI 567613	donor id: ZDD 3194. origin: China. cultivar: Chang yuan bai zui huang dou. Annual. Cultivated. Seed.
PI 567614	donor id: ZDD 3212. origin: China. cultivar: Chang yuan xiao tian e dan. Annual. Cultivated. Seed.
PI 567615	donor id: ZDD 3142. origin: China. cultivar: Chen liu niu mao huang. Annual. Cultivated. Seed.
PI 567616	donor id: ZDD 3166. origin: China. cultivar: Dan cheng hong hua cao. Annual. Cultivated. Seed.
PI 567617	donor id: ZDD 3133. origin: China. cultivar: Dan cheng shui niu pi. Annual. Cultivated. Seed.
PI 567618	donor id: ZDD 3159. origin: China. cultivar: Gong xian huang dou. Annual. Cultivated. Seed.
PI 567619	donor id: ZDD 3120. origin: China. cultivar: Gong xian xiao bai dou. Annual. Cultivated. Seed.
PI 567620	donor id: ZDD 3134. origin: China. cultivar: Guang shan tian e dan. Annual. Cultivated. Seed.
PI 567621	donor id: ZDD 3185. origin: China. cultivar: Huai yang niu mao huang. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

- PI 567622 **donor id:** ZDD 3164. **origin:** China. **cultivar:** Huang chuan mian hua hu. Annual. Cultivated. Seed.
- PI 567623 **donor id:** ZDD 3141. **origin:** China. **cultivar:** Ji yuan shui bai dou. Annual. Cultivated. Seed.
- PI 567624 **donor id:** ZDD 3128. **origin:** China. **cultivar:** Ji yuan xiao bai dou. Annual. Cultivated. Seed.
- PI 567625 **donor id:** ZDD 3192. **origin:** China. **cultivar:** Ji yuan zhu yao qi bai dou. Annual. Cultivated. Seed.
- PI 567626 **donor id:** ZDD 3172. **origin:** China. **cultivar:** Jian ding da bai dou. Annual. Cultivated. Seed.
- PI 567627 **donor id:** ZDD 3182. **origin:** China. **cultivar:** Kai feng xiao zi tie jiao huan. Annual. Cultivated. Seed.
- PI 567628 **donor id:** ZDD 3214. **origin:** China. **cultivar:** Lu shan ba yue zha. Annual. Cultivated. Seed.
- PI 567629 **donor id:** ZDD 3150. **origin:** China. **cultivar:** Lu yi xiao zi huang. Annual. Cultivated. Seed.
- PI 567630 **donor id:** ZDD 3117. **origin:** China. **cultivar:** Luan chuan ba yue zha bai dou. Annual. Cultivated. Seed.
- PI 567631 **donor id:** ZDD 3175. **origin:** China. **cultivar:** Luan chuan bai neng dou. Annual. Cultivated. Seed.
- PI 567632 **donor id:** ZDD 3187. **origin:** China. **cultivar:** Luan chuan xiao huang dou. Annual. Cultivated. Seed.
- PI 567633 **donor id:** ZDD 3196. **origin:** China. **cultivar:** Luo ning da ke bai dou. Annual. Cultivated. Seed.
- PI 567634 **donor id:** ZDD 3157. **origin:** China. **cultivar:** Mi yang niu mao huang. Annual. Cultivated. Seed.
- PI 567635 **donor id:** ZDD 3153. **origin:** China. **cultivar:** Mi yang xiao zi huang. Annual. Cultivated. Seed.
- PI 567636 **donor id:** ZDD 3131. **origin:** China. **cultivar:** Min quan ba yue zha. Annual. Cultivated. Seed.
- PI 567637 **donor id:** ZDD 3180. **origin:** China. **cultivar:** Min quan ping ding shi. Annual. Cultivated. Seed.
- PI 567638 **donor id:** ZDD 3137. **origin:** China. **cultivar:** Min quan wan dou yuan. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

- PI 567639 **donor id:** ZDD 3209. **origin:** China. **cultivar:** Min quan yuan dan li. Annual. Cultivated. Seed.
- PI 567640 **donor id:** ZDD 3139. **origin:** China. **cultivar:** Nan yang ping ding shi. Annual. Cultivated. Seed.
- PI 567641 **donor id:** ZDD 3218. **origin:** China. **cultivar:** Nan yang tian he dan. Annual. Cultivated. Seed.
- PI 567642 **donor id:** ZDD 3186. **origin:** China. **cultivar:** Nan zhao cao huang dou. Annual. Cultivated. Seed.
- PI 567643 **donor id:** ZDD 3143. **origin:** China. **cultivar:** Nei huang niu mao huang. Annual. Cultivated. Seed.
- PI 567644 **donor id:** ZDD 3129. **origin:** China. **cultivar:** Nei xiang ba yue zha. Annual. Cultivated. Seed.
- PI 567645 **donor id:** ZDD 3173. **origin:** China. **cultivar:** Ning ling zi hua jiao. Annual. Cultivated. Seed.
- PI 567646 **donor id:** ZDD 3147. **origin:** China. **cultivar:** Pu yang tie jiao huang. Annual. Cultivated. Seed.
- PI 567647 **donor id:** ZDD 3198. **origin:** China. **cultivar:** Qi xian cao dou. Annual. Cultivated. Seed.
- PI 567648 **donor id:** ZDD 3197. **origin:** China. **cultivar:** Qin yang hui jiao cao bai dou. Annual. Cultivated. Seed.
- PI 567649 **donor id:** ZDD 3118. **origin:** China. **cultivar:** Qing feng xiao bai mei. Annual. Cultivated. Seed.
- PI 567650 **donor id:** ZDD 3155. **origin:** China. **cultivar:** Ru nan huang mao dou. Annual. Cultivated. Seed.
- PI 567651 **donor id:** ZDD 3190. **origin:** China. **cultivar:** Shang cai er cao ping ding shi. Annual. Cultivated. Seed.
- PI 567652 **donor id:** ZDD 3126. **origin:** China. **cultivar:** Shang cai qi yue ban. Annual. Cultivated. Seed.
- PI 567653 **donor id:** ZDD 3162. **origin:** China. **cultivar:** Shang cheng liu yue bao. Annual. Cultivated. Seed.
- PI 567654 **donor id:** ZDD 3179. **origin:** China. **cultivar:** Shang qiu bai hua cao. Annual. Cultivated. Seed.
- PI 567655 **donor id:** ZDD 3158. **origin:** China. **cultivar:** Shang qiu tie jiao huang. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

- PI 567656 **donor id:** ZDD 3203. **origin:** China. **cultivar:** Shen qui tian e dan. Annual. Cultivated. Seed.
- PI 567657 **donor id:** ZDD 3154. **origin:** China. **cultivar:** Tang he huang dou. Annual. Cultivated. Seed.
- PI 567658 **donor id:** ZDD 3204. **origin:** China. **cultivar:** Tang yin bai hua cao huang dou. Annual. Cultivated. Seed.
- PI 567659 **donor id:** ZDD 3127. **origin:** China. **cultivar:** Tong xu xiao zi huang. Annual. Cultivated. Seed.
- PI 567660 **donor id:** ZDD 3183. **origin:** China. **cultivar:** Tong xu xiao zi huang. Annual. Cultivated. Seed.
- PI 567661 **donor id:** ZDD 3140. **origin:** China. **cultivar:** Wei shi hong mao huang dou. Annual. Cultivated. Seed.
- PI 567662 **donor id:** ZDD 3188. **origin:** China. **cultivar:** Wei shi xiao zi huang. Annual. Cultivated. Seed.
- PI 567663 **donor id:** ZDD 3145. **origin:** China. **cultivar:** Wu zhi hong mao lang. Annual. Cultivated. Seed.
- PI 567664 **donor id:** ZDD 3165. **origin:** China. **cultivar:** Xi chuan han di huang dou. Annual. Cultivated. Seed.
- PI 567665 **donor id:** ZDD 3170. **origin:** China. **cultivar:** Xi chuan hou gu zhuang. Annual. Cultivated. Seed.
- PI 567666 **donor id:** ZDD 3177. **origin:** China. **cultivar:** Xi xia tian e dan. Annual. Cultivated. Seed.
- PI 567667 **donor id:** ZDD 3163. **origin:** China. **cultivar:** Xia yi zi hua jiao. Annual. Cultivated. Seed.
- PI 567668 **donor id:** ZDD 3136. **origin:** China. **cultivar:** Xiang xian mian dou. Annual. Cultivated. Seed.
- PI 567669 **donor id:** ZDD 3160. **origin:** China. **cultivar:** Xin an huang dou. Annual. Cultivated. Seed.
- PI 567670 **donor id:** ZDD 3149. **origin:** China. **cultivar:** Xin yang liu yue bao. Annual. Cultivated. Seed.
- PI 567671 **donor id:** ZDD 3121. **origin:** China. **cultivar:** Yan ling xiao li huang. Annual. Cultivated. Seed.
- PI 567672 **donor id:** ZDD 3167. **origin:** China. **cultivar:** Yi yang huang dou. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

- PI 567673 donor id: ZDD 3208. origin: China. cultivar: Yu cheng da zi tie jiao huang. Annual. Cultivated. Seed.
- PI 567674 donor id: ZDD 3195. origin: China. cultivar: Yu cheng xiao tie jiao huang. Annual. Cultivated. Seed.
- PI 567675 donor id: ZDD 3199. origin: China. cultivar: Yu cheng xiao tie jiao huang. Annual. Cultivated. Seed.
- PI 567676 donor id: ZDD 3202. origin: China. cultivar: Yu xian da zi huang. Annual. Cultivated. Seed.
- PI 567677 donor id: ZDD 3148. origin: China. cultivar: Yu xian huang dou. Annual. Cultivated. Seed.
- PI 567678 donor id: ZDD 3206. origin: China. cultivar: Zhe cheng huang yuan dou. Annual. Cultivated. Seed.
- PI 567679 donor id: ZDD 3132. origin: China. cultivar: Zhe cheng tie jiao huang. Annual. Cultivated. Seed.
- PI 567680 donor id: ZDD 3156. origin: China. cultivar: Zhe cheng huang dou. Annual. Cultivated. Seed.
- PI 567681 donor id: ZDD 3201. origin: China. cultivar: Zhen ping ben huang dou. Annual. Cultivated. Seed.
- PI 567682 donor id: ZDD 3144. origin: China. cultivar: Zheng zhou da zi huang. Annual. Cultivated. Seed.
- PI 567683 donor id: ZDD 3151. origin: China. cultivar: Zheng zhou niu yao qi. Annual. Cultivated. Seed.
- PI 567684 donor id: ZDD 3184. origin: China. cultivar: Zheng zhou zao shu xiao zi hua. Annual. Cultivated. Seed.
- PI 567685 donor id: ZDD 3191. origin: China. cultivar: Zhong mou tie jiao er cao. Annual. Cultivated. Seed.
- PI 567686 donor id: ZDD 4920. origin: China. cultivar: Fu yang (3). Annual. Cultivated. Seed.
- PI 567687 donor id: ZDD 4921. origin: China. cultivar: Fu yang (4). Annual. Cultivated. Seed.
- PI 567688 donor id: ZDD 4922. origin: China. cultivar: Fu yang (5). Annual. Cultivated. Seed.
- PI 567689 donor id: ZDD 4923. origin: China. cultivar: Fu yang (6). Annual. Cultivated. Seed.

PI 567284 to 567781-continued

PI 567690	donor id: ZDD 4924. origin: China. (7). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567691	donor id: ZDD 4925. origin: China. (8). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567692	donor id: ZDD 4927. origin: China. (10). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567693	donor id: ZDD 4928. origin: China. (11). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567694	donor id: ZDD 4929. origin: China. (12). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567695	donor id: ZDD 4931. origin: China. (14). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567696	donor id: ZDD 4932. origin: China. (15). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567697	donor id: ZDD 4933. origin: China. (16). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567698	donor id: ZDD 4934. origin: China. (17). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567699	donor id: ZDD 4935. origin: China. (18). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567700	donor id: ZDD 4936. origin: China. (19). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567701	donor id: ZDD 4937. origin: China. (20). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567702	donor id: ZDD 4938. origin: China. (21). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567703	donor id: ZDD 4939. origin: China. (22). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567704	donor id: ZDD 4940. origin: China. (23). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567705	donor id: ZDD 4941. origin: China. (24). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567706	donor id: ZDD 4942. origin: China. (25). Annual. Cultivated. Seed.	cultivar: Fu yang

PI 567284 to 567781-continued

PI 567707	donor id: ZDD 4943. origin: China. (26). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567708	donor id: ZDD 4946. origin: China. (29). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567709	donor id: ZDD 4947. origin: China. (30). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567710	donor id: ZDD 4948. origin: China. (31). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567711	donor id: ZDD 4950. origin: China. (33). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567712	donor id: ZDD 4952. origin: China. (35). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567713	donor id: ZDD 4953. origin: China. (36). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567714	donor id: ZDD 4954. origin: China. (37). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567715	donor id: ZDD 4955. origin: China. (38). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567716	donor id: ZDD 4956. origin: China. (39). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567717	donor id: ZDD 4957. origin: China. (40). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567718	donor id: ZDD 4959. origin: China. (42). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567719	donor id: ZDD 4960. origin: China. (43). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567720	donor id: ZDD 4961. origin: China. (44). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567721	donor id: ZDD 4962. origin: China. (45). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567722	donor id: ZDD 4963. origin: China. (46). Annual. Cultivated. Seed.	cultivar: Fu yang
PI 567723	donor id: ZDD 4964. origin: China. (47). Annual. Cultivated. Seed.	cultivar: Fu yang

PI 567284 to 567781-continued

PI 567724	donor id: ZDD 4965.	origin: China.	cultivar: Fu yang
	(48).	Annual. Cultivated.	Seed.
PI 567725	donor id: ZDD 4966.	origin: China.	cultivar: Fu yang
	(49).	Annual. Cultivated.	Seed.
PI 567726	donor id: ZDD 4967.	origin: China.	cultivar: Fu yang
	(50).	Annual. Cultivated.	Seed.
PI 567727	donor id: ZDD 4968.	origin: China.	cultivar: Fu yang
	(51).	Annual. Cultivated.	Seed.
PI 567728	donor id: ZDD 4969.	origin: China.	cultivar: Fu yang
	(52).	Annual. Cultivated.	Seed.
PI 567729	donor id: ZDD 4970.	origin: China.	cultivar: Fu yang
	(53).	Annual. Cultivated.	Seed.
PI 567730	donor id: ZDD 4971.	origin: China.	cultivar: Fu yang
	(54).	Annual. Cultivated.	Seed.
PI 567731	donor id: ZDD 4973.	origin: China.	cultivar: Fu yang
	(56).	Annual. Cultivated.	Seed.
PI 567732	donor id: ZDD 4974.	origin: China.	cultivar: Fu yang
	(57).	Annual. Cultivated.	Seed.
PI 567733	donor id: ZDD 4975.	origin: China.	cultivar: Fu yang
	(58).	Annual. Cultivated.	Seed.
PI 567734	donor id: ZDD 4976.	origin: China.	cultivar: Fu yang
	(59).	Annual. Cultivated.	Seed.
PI 567735	donor id: ZDD 4977.	origin: China.	cultivar: Fu yang
	(60).	Annual. Cultivated.	Seed.
PI 567736	donor id: ZDD 3766.	origin: China.	cultivar: Dong hai
	bai ta me jia cao.	Annual. Cultivated.	Seed.
PI 567737	donor id: ZDD 3862.	origin: China.	cultivar: Feng xian
	jian ding da bai pi.	Annual. Cultivated.	Seed.
PI 567738	donor id: ZDD 3864.	origin: China.	cultivar: Feng xian
	niu mao huang.	Annual. Cultivated.	Seed.
PI 567739	donor id: ZDD 3854.	origin: China.	cultivar: Feng xian
	sun lou mei guo qing.	Annual. Cultivated.	Seed.
PI 567740	donor id: ZDD 3859.	origin: China.	cultivar: Feng xian
	tie jiao huang jia.	Annual. Cultivated.	Seed.

PI 567284 to 567781-continued

- PI 567741 **donor id:** ZDD 3774. **origin:** China. **cultivar:** Gan yu chun dou bing. Annual. Cultivated. Seed.
- PI 567742 **donor id:** ZDD 3769. **origin:** China. **cultivar:** Gan yu hong mao you. Annual. Cultivated. Seed.
- PI 567743 **donor id:** ZDD 3775. **origin:** China. **cultivar:** Gan yu zhe wang da hong mao ch. Annual. Cultivated. Seed.
- PI 567744 **donor id:** ZDD 3880. **origin:** China. **cultivar:** Pei xian ba yue zha. Annual. Cultivated. Seed.
- PI 567745 **donor id:** ZDD 3873. **origin:** China. **cultivar:** Pei xian cheng guan tian e dan. Annual. Cultivated. Seed.
- PI 567746 **donor id:** ZDD 3875. **origin:** China. **cultivar:** Pei xian da bai jiao. Annual. Cultivated. Seed.
- PI 567747 **donor id:** ZDD 3885. **origin:** China. **cultivar:** Pei xian da bai pi jia. Annual. Cultivated. Seed.
- PI 567748 **donor id:** ZDD 3874. **origin:** China. **cultivar:** Pei xian da bai pi yi. Annual. Cultivated. Seed.
- PI 567749 **donor id:** ZDD 3943. **origin:** China. **cultivar:** Pei xian da hong mao. Annual. Cultivated. Seed.
- PI 567750 **donor id:** ZDD 3944. **origin:** China. **cultivar:** Pei xian da ping ding huang. Annual. Cultivated. Seed.
- PI 567751 **donor id:** ZDD 3742. **origin:** China. **cultivar:** Pei xian hong mao you. Annual. Cultivated. Seed.
- PI 567752 **donor id:** ZDD 3957. **origin:** China. **cultivar:** Pei xian lian mao sheng. Annual. Cultivated. Seed.
- PI 567753 **donor id:** ZDD 3719. **origin:** China. **cultivar:** Pei xian liu yue xian. Annual. Cultivated. Seed.
- PI 567754 **donor id:** ZDD 3949. **origin:** China. **cultivar:** Pei xian ping ding hei. Annual. Cultivated. Seed.
- PI 567755 **donor id:** ZDD 3877. **origin:** China. **cultivar:** Pei xian ping ding huang yi. Annual. Cultivated. Seed.
- PI 567756 **donor id:** ZDD 3737. **origin:** China. **cultivar:** Pei xian si li cao. Annual. Cultivated. Seed.
- PI 567757 **donor id:** ZDD 3882. **origin:** China. **cultivar:** Pei xian tie jiao huang. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

- PI 567758 **donor id:** ZDD 3941. **origin:** China. **cultivar:** Pei xian tu shan da ping ding. Annual. Cultivated. Seed.
- PI 567759 **donor id:** ZDD 3951. **origin:** China. **cultivar:** Pei xian xiao bai jian ke. Annual. Cultivated. Seed.
- PI 567760 **donor id:** ZDD 3887. **origin:** China. **cultivar:** Pei xian xiao bai pi. Annual. Cultivated. Seed.
- PI 567761 **donor id:** ZDD 3738. **origin:** China. **cultivar:** Pei xian xiao hong dou. Annual. Cultivated. Seed.
- PI 567762 **donor id:** ZDD 3953. **origin:** China. **cultivar:** Pei xian xiao huang ke. Annual. Cultivated. Seed.
- PI 567763 **donor id:** ZDD 3952. **origin:** China. **cultivar:** Pei xian xiao you dou. Annual. Cultivated. Seed.
- PI 567764 **donor id:** ZDD 3826. **origin:** China. **cultivar:** Sui ning da qing dou yi. Annual. Cultivated. Seed.
- PI 567765 **donor id:** ZDD 3726. **origin:** China. **cultivar:** Sui ning da si li yi. Annual. Cultivated. Seed.
- PI 567766 **donor id:** ZDD 3829. **origin:** China. **cultivar:** Sui ning jian ding chun da qin. Annual. Cultivated. Seed.
- PI 567767 **donor id:** ZDD 3934. **origin:** China. **cultivar:** Tong shan da bai pi. Annual. Cultivated. Seed.
- PI 567768 **donor id:** ZDD 3908. **origin:** China. **cultivar:** Tong shan da li ping ding huan. Annual. Cultivated. Seed.
- PI 567769 **donor id:** ZDD 3933. **origin:** China. **cultivar:** Tong shan da mian tao. Annual. Cultivated. Seed.
- PI 567770 **donor id:** ZDD 3895. **origin:** China. **cultivar:** Tong shan da miao bai jian ke. Annual. Cultivated. Seed.
- PI 567771 **donor id:** ZDD 3896. **origin:** China. **cultivar:** Tong shan da wu bai jian ke. Annual. Cultivated. Seed.
- PI 567772 **donor id:** ZDD 3721. **origin:** China. **cultivar:** Tong shan hong mao you. Annual. Cultivated. Seed.
- PI 567773 **donor id:** ZDD 3922. **origin:** China. **cultivar:** Tong shan huang da dou jia. Annual. Cultivated. Seed.
- PI 567774 **donor id:** ZDD 3897. **origin:** China. **cultivar:** Tong shan lang pi. Annual. Cultivated. Seed.

PI 567284 to 567781-continued

- PI 567775 **donor id:** ZDD 3921. **origin:** China. **cultivar:** Tong shan niu mao huang. Annual. Cultivated. Seed.
- PI 567776 **donor id:** ZDD 3722. **origin:** China. **cultivar:** Tong shan tong cun hong mao yo. Annual. Cultivated. Seed.
- PI 567777 **donor id:** ZDD 3918. **origin:** China. **cultivar:** Tong shan wan dou yuan. Annual. Cultivated. Seed.
- PI 567778 **donor id:** ZDD 3937. **origin:** China. **cultivar:** Tong shan xi he cao. Annual. Cultivated. Seed.
- PI 567779 **donor id:** ZDD 3910. **origin:** China. **cultivar:** Tong shan xiao hong mao. Annual. Cultivated. Seed.
- PI 567780 **donor id:** ZDD 3929. **origin:** China. **cultivar:** Tong shan zheng ji dou. Annual. Cultivated. Seed.
- PI 567781 **donor id:** ZDD 3930. **origin:** China. **cultivar:** Tong shan zheng ji dou. Annual. Cultivated. Seed.

PI 567782 to 567787. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: University of Guelph, Crop Science Department, Ontario, Canada. Received April 01, 1993.

- PI 567782 **origin:** Canada. **origin institute:** University of Guelph, Crop Science Department, Ontario Canada. **cultivar:** OAC Dorado. **pedigree:** (75Bx22TFW)xFH11-41 (Fiskeby V x Harosoy 63). **other id:** OAC85-06. **remarks:** Maturity Group I. Growth habit indeterminate. Plant type intermediate bushiness. Leaves medium green, medium width and length. Flower purple. Pubescence tawny, erect. Pods brown. Plant ht. 80cm. Seed dull yellow. Hilum brown. Moderately tolerant to *Phytophthora* root rot (*P. megasperma*) (*P. megasperma*). Good yielding variety with acceptable oil and protein contents. Good lodging resistance along with fair *Phytophthora* resistance compared to its check varieties. Annual. Cultivar. Seed.

- PI 567783 **origin:** Canada. **origin institute:** University of Guelph, Crop Science Department, Ontario Canada. **cultivar:** OAC Eclipse. **pedigree:** Maple Arrow x Williams. **other id:** OAC86-01. **remarks:** Maturity Group 0. Growth habit indeterminate. Plant type upright, intermediate bushiness. Leaves medium green, intermediate length, width and texture. Pubescence tawny, erect, intermediate density. Flowers purple. Pods brown. Seeds dull yellow. Hilum brown with yellow micropyle, medium size. Tolerant to Phytophthora root rot (Phytophthora megasperma). Good yield, lodging resistance and oil content as compared to check varieties in Ontario trials. Showed high seed weight and slightly lower protein content. Annual. Cultivar. Seed.
- PI 567784 **origin:** Canada. **origin institute:** University of Guelph, Crop Science Department, Ontario Canada. **cultivar:** OAC Frontier. **pedigree:** Pioneer 1677(Corsoy(2)xRampage)xMaple Arrow. **other id:** OAC87-02. **remarks:** Maturity Group 00. Growth habit indeterminate. Plant type upright, intermediate bushiness, yellow at maturity. Leaves medium green, intermediate length, width and texture. Pubescence tawny, erect, intermediate density. Flower color purple. Pods light brown, 2.6 seeds per pod. Seed coat dull yellow, shape normal. Size 15.6g/100 seeds. Mod. tolerant to Phytophthora root rot (Phytophthora megasperma). Generally matures a few days earlier than KG30. Possesses improved stalk strength, hence greater lodging resistance. Seed has significantly more oil, but less protein than checks. Annual. Cultivar. Seed.
- PI 567785 **origin:** Canada. **origin institute:** University of Guelph, Crop Science Department, Ontario, Ontario Canada. **cultivar:** OAC Shire. **pedigree:** A80-147002 x A1895. **other id:** OAC 88-08. **remarks:** Maturity Group I. Growth habit indeterminate. Plant type upright, intermediate bushiness. Leaves medium green, intermediate length, width and texture. Flower color purple. Pods light brown, 2.7 seeds per pod. Moderately tolerant to Phytophthora root rot (Phytophthora megasperma). Tolerant to Basagran and Metribuzin. Annual. Cultivar. Seed.

PI 567782 to 567787-continued

PI 567786 **origin:** Canada. **origin institute:** University of Guelph, Crop Science Department, Ontario Canada. **cultivar:** OAC Talbot. **pedigree:** A80-147002xPride B152(Northrup King S1346(6)xMack,Rps1-c). **other id:** OAC88-12. **remarks:** Maturity Group II. Growth habit indeterminate. Plant type upright, intermediate bushiness. Hypocotyls purple. Leaves medium green, intermediate length,width and texture. Flowers purple. Pods light brown, 2.6 seeds per pod. Pubescence grey, erect, intermediate density. Seed shape spherical flattened. Coat dull yellow. Size 17.6g/100 seeds. Cotyledons green following emergence, yellow at maturity. Hila yellow, very light brown variants, medium size. Mod. tolerant to Phytophthora root rot (Phytophthora megasperma). Annual. Cultivar. Seed.

PI 567787 **origin:** Canada. **origin institute:** University of Guelph, Crop Science Department, Ontario Canada. **cultivar:** OAC Vision. **pedigree:** BicentennialxOzzie. **other id:** OAC88-01. **remarks:** Maturity Group 000. Growth habit indeterminate. Plant type upright, intermediate bushiness. Cotyledon green following emergence, yellow at maturity. Hypocotyl purple. Leaves med. green, intermediate length, width and texture. Pubescence tawny, erect, intermediate density. Flower purple. Pods medium brown, 2.6 seeds per pod. Seed coat dull yellow, shape normal. Hilum yellow. Hilum color variant light gray. Size 20.9g/100 seeds. Mod. tolerant to (Phytophthora root rot (Phytophthora megasperma). Annual. Cultivar. Seed.

PI 567788 to 567790. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Louisiana Agr. Exp. Sta., Louisiana, United States.
Received April 01, 1993.

PI 567788 **origin:** United States. **origin institute:** Louisiana Agr. Exp. Sta., Louisiana United States. **cultivar:** Bienville. **pedigree:** Pelican No. 2 x Ogden. **other id:** La 49-1-3. **other id:** La 53-99. **other id:** CV-26. **source:** Agron. J. 52(11):659 1960. **group:** CSR-SOYBEAN. **remarks:** Maturity Group VIII. Annual. Cultivar. Seed.

PI 567789 **origin:** United States. **origin institute:** Louisiana Agr. Exp. Sta., Louisiana United States. **cultivar:** Bossier. **pedigree:** A late mutant in Lee. **remarks:** Maturity Group VIII. Annual. Cultivar. Seed.

PI 567790 **origin:** United States. **origin institute:** Louisiana Agr. Exp. Sta., Louisiana United States. **cultivar:** Curtis. **pedigree:** A rogue in Lee. **remarks:** Maturity Group VI. Annual. Cultivar. Seed.

PI 567791. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Arizona Agr. Exp. Sta., Arizona, United States; and
Agricultural Research Service -- USDA. Received April 01, 1993.

origin: United States. **origin institute:** Arizona Agr.
Exp. Sta., Arizona United States. **cultivar:** Kino.
pedigree: Clark x D49-2491 (S-100 x CNS). **other id:**
Ar58-1341. **remarks:** Maturity Group VI. Annual.
Cultivar. Seed.

PI 567792 to 567794. *Zea mays* L. subsp. *mays* POACEAE Sweet corn

Donated by: Davis, D.W., Minnesota Agr. Exp. Sta., University of
Minnesota, St. Paul, Minnesota 55108, United States. **remarks:**
Three Sweet Corn Germplasm Lines. Received April 28, 1993.

PI 567792 **origin:** United States. **developed:** D.W. Davis, D.A.
Andow, W.D. Hutchison. **origin institute:** Minnesota Agr.
Exp. Sta., University of Minnesota, Horticultural Science
Department, St. Paul, Minnesota 55108 United States.
cultivar: A684su. **pedigree:** Apache S3//Ia453/B52-S6.
other id: GP-243. **source:** Crop Sci. 33(6):1422 1993.
group: CSR-MAIZE. **restricted:** CSR. **remarks:** Resistant
to ear feeding by larvae of the European corn borer
(*Ostrinia nubilalis*). Selfed several generations but
retain some variability for plant traits. May find direct
use as commercial parents for home garden hybrids, but
will require further selection before use as parents of
hybrids for the major commercial fresh market and/or
processing markets. Plants reach 140 to 160cm and flower
at 1440 to 1540 heat units. Breeding Material. Seed.

PI 567793 **origin:** United States. **developed:** D.W. Davis, D.A.
Andow, W.D. Hutchison. **origin institute:** Minnesota Agr.
Exp. Sta., University of Minnesota, Horticultural Science
Department, St. Paul, Minnesota 55108 United States.
cultivar: A685su. **pedigree:** Derived from a composite
created by intermating five lines: four S6 lines from
Apache and one S1 line from Apache S4//Ia453/B52-S6.
other id: GP-244. **source:** Crop Sci. 33(6):1422 1993.
group: CSR-MAIZE. **restricted:** CSR. **remarks:** Resistant
to ear feeding by larvae of the European corn borer
(*Ostrinia nubilalis*). Selfed several generations but
retain some variability for plant traits. May find direct
use as commercial parents for home garden hybrids, but
will require further selection before use as parents of
hybrids for the major commercial fresh market and/or
processing markets. Plants reach 140 to 160cm and flower
at 1440 to 1540 heat units. Breeding Material. Seed.

PI 567792 to 567794-continued

PI 567794 **origin:** United States. **developed:** D.W. Davis, D.A. Andow, W.D. Hutchison. **origin institute:** Minnesota Agr. Exp. Sta., University of Minnesota, Horticultural Science Department, St. Paul, Minnesota 55108 United States. **cultivar:** A686su. **pedigree:** Derived from a composite created by intermating five lines: four S6 lines from Apache and one S1 line from Apache S4//Ia453/B52-S6. **other id:** GP-245. **source:** Crop Sci. 33(6):1422 1993. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Resistant to ear feeding by larvae of the European corn borer (*Ostrinia nubilalis*). Selfed several generations but retain some variability for plant traits. May find direct use as commercial parents for home garden hybrids, but will require further selection before use as parents of hybrids for the major commercial fresh market and/or processing markets. Plants reach 140 to 160cm and flower at 1440 to 1540 heat units. Breeding Material. Seed.

PI 567795 to 567811. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Han Choi, Byuny, Rural Development Administration, Crop Experiment Station, Suweon 440-100, Korea, Republic of. **remarks:** Received through R.R. Duncan, University of Georgia, Georgia Station, Griffin, GA. Received April 23, 1993.

PI 567795 **origin:** Korea, South. **local name:** Danyang Local. **received as:** *Sorghum vulgare*. Cultivated. Seed.

PI 567796 **origin:** Korea, South. **local name:** Pyungchang local. **received as:** *Sorghum vulgare*. Cultivated. Seed.

PI 567797 **origin:** Korea, South. **local name:** Pyungchang local. **received as:** *Sorghum vulgare*. Cultivated. Seed.

PI 567798 **origin:** Korea, South. **local name:** Pyungchang local. **received as:** *Sorghum vulgare*. Cultivated. Seed.

PI 567799 **origin:** Korea, South. **local name:** Pyungchang local. **received as:** *Sorghum vulgare*. Cultivated. Seed.

PI 567800 **origin:** Korea, South. **local name:** Chechon local. **received as:** *Sorghum vulgare*. Cultivated. Seed.

PI 567801 **origin:** Korea, South. **local name:** Cholwon local. **received as:** *Sorghum vulgare*. Cultivated. Seed.

PI 567802 **origin:** Korea, South. **local name:** Myungju local. **received as:** *Sorghum vulgare*. Cultivated. Seed.

PI 567803 **origin:** Korea, South. **local name:** Yungju local. **received as:** *Sorghum vulgare*. Cultivated. Seed.

PI 567795 to 567811-continued

- PI 567804 **origin:** Korea, South. **local name:** Yangyang local.
received as: Sorghum vulgare. Cultivated. Seed.
- PI 567805 **origin:** Korea, South. **local name:** Yanggu local.
received as: Sorghum vulgare. Cultivated. Seed.
- PI 567806 **origin:** Korea, South. **local name:** Hwachon local.
received as: Sorghum vulgare. Cultivated. Seed.
- PI 567807 **origin:** Korea, South. **local name:** Kosong local.
received as: Sorghum vulgare. Cultivated. Seed.
- PI 567808 **origin:** Korea, South. **local name:** Unknown local.
received as: Sorghum vulgare. Cultivated. Seed.
- PI 567809 **origin:** Korea, South. **local name:** Unknown local.
received as: Sorghum vulgare. Cultivated. Seed.
- PI 567810 **origin:** Korea, South. **local name:** Unknown local.
received as: Sorghum vulgare. Cultivated. Seed.
- PI 567811 **origin:** Korea, South. **local name:** Unknown local.
received as: Sorghum vulgare. Cultivated. Seed.

PI 567812. *Solanum albornozii* Correll SOLANACEAE

Donated by: Spooner, D.M., USDA-ARS, University of Wisconsin,
Department of Horticulture, Madison, Wisconsin 53706, United
States. Received July 16, 1991.

donor id: SCLp 5040. **origin:** Ecuador. **collected:** May
03, 1991. **collector:** D.M. Spooner, R. Castillo, L.E.
Lopez. **collector id:** SCLp 5040. **other id:** BE-3520.
other id: Q 28486. **locality:** Edge of woods, about 100m S
of new road from Loja-Zamora, about 500m southeast of
crest of hill at Providence Laja- Zamora boundary, Loja
Norte. **latitude:** 03 deg. 59 min. N. **longitude:** 079 deg.
09 min. W. **elevation:** 2750m. **remarks:** Corolla white,
rotate-pentagonal. Fruits just starting to mature. 3
fruits collected from 2 plants. Wild. Seed.

PI 567813 to 567820. *Solanum andreanum* Baker SOLANACEAE

Donated by: Spooner, D.M., USDA-ARS, University of Wisconsin,
Department of Horticulture, Madison, Wisconsin 53706, United
States. Received September 22, 1992.

PI 567813 to 567820-continued

- PI 567813 **donor id:** CPLS 1226. **origin:** Colombia. **collected:** July 09, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1226. **other id:** BE-4266. **other id:** Q 29329. **locality:** Roadside among bushes and grasses, 7.4km from La Victoria on road to San Jorge. **latitude:** 00 deg. 42 min.. **longitude:** 077 deg. 39 min.. **elevation:** 2380m. **Annual.** **Wild.** **Seed.**
- PI 567814 **donor id:** CPLS 1223. **origin:** Colombia. **collected:** July 09, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1223. **other id:** BE-4266. **other id:** Q 29327. **locality:** Roadside on slope among grasses and bushes. 1.7km east of La Victoria town square on road to San Jorge. **latitude:** 00 deg. 42 min. N. **longitude:** 077 deg. 29 min. W. **elevation:** 2450m. **remarks:** Corolla rotate, light pink. Fruits round to round-ovoid. **Annual.** **Wild.** **Seed.**
- PI 567815 **donor id:** CPLS 1228. **origin:** Colombia. **collected:** July 09, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1228. **other id:** BE-4266. **other id:** Q 29331. **locality:** Edge of road and in middle of an Ulluco plantation at San Jorge, east of La Victoria. Collected in various fields about and above the town. **latitude:** 00 deg. 41 min. N. **longitude:** 077 deg. 30 min. W. **elevation:** 2200m. **remarks:** Corolla deep purple, rotate. Fruits maturing to mature. 75 fruits collected from 25 plants. **Annual.** **Wild.** **Seed.**
- PI 567816 **donor id:** CPLS 1232. **origin:** Colombia. **collected:** July 11, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1232. **other id:** BE-4266. **other id:** Q 29334. **locality:** Openings in forest among shrubs in moist soil at Finca El Rosal, about 18-19km NE of Pasto, on road to Buesaco, about 3km walk upstream of Quebrada El Rosal. **latitude:** 01 deg. 17 min. N. **longitude:** 077 deg. 13 min. W. **elevation:** 2770m. **remarks:** Plants about 1m long. Leaves deep green to purple, varying sometimes on the same leaf. Corolla deep purple. Fruits maturing to mature, round to round-ovoid. **Annual.** **Wild.** **Seed.**
- PI 567817 **donor id:** CPLS 1233. **origin:** Colombia. **collected:** July 11, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1233. **other id:** BE-4266. **other id:** Q 29335. **locality:** Streamside under trees at Finca El Rosal, ca. 18-19km NE of Pasto on road to Buesaco, about 0.5km walk east up Quebrada El Rosal. **latitude:** 01 deg. 17 min. N. **longitude:** 077 deg. 14 min. W. **elevation:** 2840m. **remarks:** Corolla deep purple. Fruits maturing to mature, round to round-ovoid. 3 fruits collected from one plant. **Annual.** **Wild.** **Seed.**

PI 567813 to 567820-continued

- PI 567818 **donor id:** CPLS 1240. **origin:** Colombia. **collected:** July 13, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1240. **other id:** BE-4266. **other id:** Q 29337. **locality:** Just east of Rio Espinayaco, 21.6km east of border with Narino Dept., 1.8km west of town square of Santiago. **latitude:** 01 deg. 08 min. N. **longitude:** 077 deg. 00 min. W. **elevation:** 2180m. **remarks:** Corolla deep purple. Fruits round to round-ovoid, maturing to mature. Annual. Wild. Seed.
- PI 567819 **donor id:** SCLp 5101. **origin:** Ecuador. **collected:** May 24, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5101. **other id:** BE-3520. **other id:** Q 28511. **locality:** Disturbed roadside, 0.5-1.9km west of town square of Santa Barbara on road to El Carmelo, Huaca. **latitude:** 00 deg. 39 min. N. **longitude:** 077 deg. 32 min. W. **elevation:** 2650m. **remarks:** Corolla rotate-pentagonal, pink to blue. Fruits maturing to mature. 100 fruits collected from 10 plants. Wild. Seed.
- PI 567820 **donor id:** SCLp 5156. **origin:** Ecuador. **collected:** June 20, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5156. **other id:** BE-3520. **other id:** Q 28529. **locality:** Growing on slope of path, about 5km west of San Vicente, on old footpath on south side of Rio Upano, on way to San Vicente and Nueve de Octubre. **latitude:** 02 deg. 12 min. N. **longitude:** 078 deg. 23 min. W. **elevation:** 2450m. **remarks:** Leaves green to blue underneath. Corolla violet, rotate. Fruits round to round-ovoid, maturing to mature. Wild. Seed.

PI 567821. *Solanum chilliasense* Ochoa SOLANACEAE

Donated by: Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received July 16, 1991.

donor id: SCLp 5057. **origin:** Ecuador. **collected:** July 05, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5057. **other id:** BE-3520. **other id:** Q 28490. **other id:** BE-3452. **other id:** Q 28430. **locality:** Edge of bushes and among bushes in grassland. On Cordillera de Chilla, 1km S of transmission antenna on top of Cerro Zharayunta, about road to this antenna, about 4km (by air) south-southwest of Chilla, Chilla. **latitude:** 03 deg. 29 min. N. **longitude:** 079 deg. 35 min. W. **elevation:** 3275m. **remarks:** Corolla rotate with large acumens. Fruits ovoid, maturing to mature. Wild. Seed.

Donated by: Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

- PI 567822 **donor id:** CPLS 1260b. **origin:** Colombia. **collected:** July 20, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1260b. **other id:** BE-4266. **other id:** Q 29354. **locality:** Roadside between shrubs just at edge of road 27km from La Florida to Herrera Tolima, passing through La Diana at Alto de Monserrate in La Ermita. **latitude:** 03 deg. 21 min. N. **longitude:** 076 deg. 10 min. W. **elevation:** 2610m. **remarks:** Corolla white, 1.6cm diameter. Fruits conical, 2.8 long, 1.8cm wide at base. Apparent insect damage to flowers and fruits. Plants 1.8m tall. 18 fruits collected from 2 plants. Annual. Wild. Seed.
- PI 567823 **donor id:** SCLp 5078. **origin:** Ecuador. **collected:** May 14, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5078. **other id:** BE-3569. **other id:** Q 28582. **other id:** BE-3452. **other id:** BE-3810. **source:** APHIS. **locality:** Edge of recent clearing in rainforest. Quebrada El Cienegal, north of San Isidro de Yungilla. Sicalpa. **latitude:** 01 deg. 48 min. N. **longitude:** 078 deg. 57 min. W. **elevation:** 3000m. **remarks:** Corolla blue, rotate, immature ovary round. Leaves green underneath. Wild. Seed.
- PI 567824 **donor id:** SCLp 5144. **origin:** Ecuador. **collected:** June 18, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5144. **other id:** BE-3569. **other id:** Q 28597. **locality:** Recently cleared forest. Quebrada Chullubamba, on east side of Saguan in area of Alfapamba, 14.0km southwest of Chunchi-Tambo road beginning 3km S of Catholic church in Chu Chunchi. **latitude:** 02 deg. 21 min. N. **longitude:** 078 deg. 52 min. W. **elevation:** 3000m. **remarks:** Corolla rotate, light blue. Fruits maturing, conical. Wild. Seed.
- PI 567825 **donor id:** SVR 6313. **origin:** Venezuela. **collected:** August 28, 1992. **collector:** D.M. Spooner, A.A. Vargas, G. Rivero. **collector id:** SVR 6313. **other id:** BE-4266. **other id:** Q 29312. **other id:** BE-4520. **other id:** Q 29740. **locality:** Organic soil in semi-shade on Paramo El Zumbador, along roadside, 17.9km NW of Plaza Bolivar of Quiniquea. **latitude:** 07 deg. 56 min. N. **longitude:** 072 deg. 03 min. W. **elevation:** 2630m. Annual. Wild. Seed.

- PI 567826 **donor id:** SVR 6315. **origin:** Venezuela. **collected:** August 29, 1992. **collector:** D.M. Spooner, A.A. Vargas, G. Rivero. **collector id:** SVR 6315. **other id:** BE-4266. **other id:** Q 29313. **other id:** BE-4520. **other id:** Q 29738. **locality:** Organic soil in semi-shade about 10km N of San Jose de Bolivar on road to La Grita, 1.6km N of Quebrada Blanca. **latitude:** 08 deg. 01 min. N. **longitude:** 071 deg. 54 min. W. **elevation:** 2250m. **remarks:** Corolla light blue. Annual. Wild. Seed.
- PI 567827 **donor id:** CPLS 1202. **origin:** Colombia. **collected:** July 02, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1202. **other id:** BE-4266. **other id:** Q 29315. **locality:** Road slope next to land slide above town of Calacara at La Linea. Edge of road to TV antennas at 3.5km from deviation of road to La Armenia. **latitude:** 04 deg. 28 min. N. **longitude:** 075 deg. 35 min. W. **elevation:** 3150m. **remarks:** Plant about 0.8m long. Corolla white, 1.5m diameter. Flowers rotate-sterile. Fruits long-conical, mature, ca 2.5cm long. Annual. Wild. Seed.
- PI 567828 **donor id:** CPLS 1203. **origin:** Colombia. **collected:** July 02, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1203. **other id:** BE-4266. **other id:** Q 29316. **locality:** Moist roadside, growing in grasses. On dirt road to antennas, just S of La Linea, 4.4km S of road from Armenia to Cajamarca. **latitude:** 04 deg. 28 min. N. **longitude:** 075 deg. 35 min. W. **elevation:** 3390m. **remarks:** Corolla white, 1.8cm diameter, rotate-stellate. 25 fruits collected from one plant. Annual. Wild. Seed.
- PI 567829 **donor id:** CPLS 1204. **origin:** Colombia. **collected:** July 02, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1204. **other id:** BE-4266. **other id:** Q 29317. **locality:** Moist roadside, on dirt road to antennas, just S of La Linea, 5.1km S of road from Armenia to Cajamarca. **latitude:** 04 deg. 27 min. N. **longitude:** 075 deg. 35 min. W. **elevation:** 3460m. **remarks:** Corolla 2.8cm diameter, white, rotate-stellate. Fruits conical, maturing to mature. 20 fruits collected from 3 plants. Annual. Wild. Seed.

- PI 567830 **donor id:** CPLS 1210. **origin:** Colombia. **collected:** July 04, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1210. **other id:** BE-4266. **other id:** Q 29321. **locality:** Moist organic soil among bushes in recent partial clearing in full sun & part. sun. Road fr Salento to Toche, ascending eastern side of Cordillera Central, 200m up hill fr rd, 21km SW of town square of Salento, Finca La Nevada at La Linea. **latitude:** 04 deg. 34 min. N. **longitude:** 075 deg. 31 min. W. **elevation:** 3200m. **remarks:** Corolla white, to 2.2cm diameter. Fruits conical, maturing to mature, to 3.3cm long, to 1.9cm wide. Annual. Wild. Seed.
- PI 567831 **donor id:** CPLS 1212. **origin:** Colombia. **collected:** July 05, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1212. **other id:** BE-4266. **other id:** Q 29323. **locality:** 1.5km E of road going to Nevado de Ruiz, on road from Manizales to Fresno. **latitude:** 05 deg. 04 min. N. **longitude:** 075 deg. 19 min. W. **elevation:** 3310m. **remarks:** Corolla white, to 1.7cm wide. Fruits 3.1cm long, 1.7cm wide, tapering at proximal end. Leaves finely pubescent. 10 fruits collected from 2 plants. Annual. Wild. Seed.
- PI 567832 **donor id:** CPLS 1215. **origin:** Colombia. **collected:** July 05, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1215. **other id:** BE-4266. **other id:** Q 29326. **locality:** Moist organic soil along roadside. On dirt road from east of Manizales passing La Enea, to Termales of Manizales, 15.3km from La Esperanza. **latitude:** 04 deg. 47 min. N. **longitude:** 075 deg. 22 min. W. **elevation:** 3370m. **remarks:** Corolla white. Fruits conical. 12 fruits collected from one plant. Annual. Wild. Seed.
- PI 567833 **donor id:** CPLS 1254. **origin:** Colombia. **collected:** July 18, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1254. **other id:** BE-4266. **other id:** Q 29347. **locality:** Open areas in organic soil at Impala, area of Rio Sucubun at Aurelio Cruz's farm, about 2 hours walking or 9km SE by air from Valencia (in Valle de las Papas). **latitude:** 01 deg. 50 min. N. **longitude:** 076 deg. 30 min. W. **elevation:** 3000m. **remarks:** Corolla white, 1.8cm diameter. Stems to 1.2m long. Fruits conical, 3cm long, 1.3cm wide. Fruits collected from two plants. Annual. Wild. Seed.

PI 567822 to 567838-continued

- PI 567834 **donor id:** SCLp 5047. **origin:** Ecuador. **collected:** May 05, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5047. **other id:** BE-3520. **other id:** Q 28488. **locality:** Wet sandy soil near stream, 31.2km south of junction of road to Giron and Cuenca at Estacion Cumbre, on new road from Cuenca to Loja, Yaritzagua. **latitude:** 03 deg. 15 min. N. **longitude:** 079 deg. 03 min. W. **elevation:** 3270m. **remarks:** Corolla light blue, rotate. Fruits conical. Wild. Seed.
- PI 567835 **donor id:** SCLp 5083. **origin:** Ecuador. **collected:** May 16, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5083. **other id:** BE-3520. **other id:** Q 28498. **locality:** Cornfield, just east of Quebrada Mandur, on farm of Silva family, on north-northwest slopes of Volcan Tungurahua, just off road driving from Riobamba to Banos at Escuela Constancio Vigil, Banos. **latitude:** 01 deg. 26 min. N. **longitude:** 078 deg. 28 min. W. **elevation:** 2900m. **remarks:** No flowers or fruits seen but living plant and one mother tuber collected. Fruits collected 6/9/1991. Wild. Seed.
- PI 567836 **donor id:** SCLP 5090. **origin:** Ecuador. **collected:** May 18, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLP 5090. **other id:** BE-3520. **other id:** Q 28503. **locality:** Clearing in forest, 12.7km from gasoline station at north end of Pilalo on road to La Mana, then 1km north up trail, Pilalo. **latitude:** 00 deg. 58 min. N. **longitude:** 078 deg. 58 min. W. **elevation:** 3300m. **remarks:** Corolla rotate, blue. Fruits maturing to mature. 50 fruits collected from 7 plants. Wild. Seed.
- PI 567837 **donor id:** SCLp 5120. **origin:** Ecuador. **collected:** May 31, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5120. **other id:** BE-3520. **other id:** Q 28516. **locality:** Roadside in full sun, along old Quito-Baeza Road, 7.4km east of statue of Virgin at crest of Sierra, 7.0km west of police control station, Papallacta. **elevation:** 3520m. **remarks:** Corolla white, rotate. Fruits conical, maturing to mature. Some plants with pubescent leaves, others with leaves only slightly puberulent and shiny. Wild. Seed.

PI 567822 to 567838-continued

PI 567838 **donor id:** SCLp 5143. **origin:** Ecuador. **collected:** June 17, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5143. **other id:** BE-3520. **other id:** Q 28526. **locality:** Recently cleared primary forest in unnamed Quebrada, just south of Quebrada Aguarongo, about 300m east of railroad tracks, at Cuarenta Cuatro, just north of Hacienda El Carmen, by old road from Chunchi-Tambo, Juncal. **latitude:** 02 deg. 25 min. N. **longitude:** 078 deg. 58 min. W. **elevation:** 3200m. **remarks:** Corolla pale blue, rotate. Fruits conical maturing to mature. Wild. Seed.

PI 567839. *Solanum juglandifolium* Dunal SOLANACEAE Potato

Donated by: Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received August 12, 1991.

donor id: SCLp 5076. **origin:** Ecuador. **collected:** May 14, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5076. **other id:** BE-3569. **other id:** Q 28581. **locality:** Growing over bushes along primary forest on roadside 4.4km north of San Isidro de Yungilla on dirt road east of Rio Chimbo, at Pretoria. 36.5km north of San Juan de Trigoloma. Sicalpa. Note:dirt road is not on map, 1969 ed.). **latitude:** 01 deg. 49 min. N. **longitude:** 078 deg. 59 min. W. **elevation:** 2740m. Wild. Seed.

PI 567840 to 567842. *Solanum lobbianum* Bitter SOLANACEAE

Donated by: Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received July 16, 1991.

PI 567840 **donor id:** CPLS 1211. **origin:** Colombia. **collected:** July 05, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1211. **other id:** BE-4266. **other id:** Q 29322. **locality:** Grassy roadside 1.5km E of road going to Nevado de Ruiz, on road from Manizales to Fresno, 4.5km W of Las Letras at km marker. **latitude:** 05 deg. 04 min. N. **longitude:** 075 deg. 19 min. W. **elevation:** 3310m. **remarks:** Corolla blue with white star, 2.6mm diameter. Fruits conical, 3.6cm long, 2cm wide. Leaves, calyx, and corolla acumens strigose. 20 fruits collected from 4 plants. Annual. Wild. Seed.

PI 567840 to 567842-continued

PI 567841 **donor id:** CPLS 1213. **origin:** Colombia. **collected:** July 05, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1213. **other id:** BE-4266. **other id:** Q 29324. **locality:** Roadside in organic soil. On dirt road from E of Manizales passing La Enea, to Termales of Manizales, 14.5km from La Esperanza. **latitude:** 04 deg. 49 min. N. **longitude:** 075 deg. 22 min. W. **elevation:** 3570m. **remarks:** Corolla blue with white star, 27mm in diameter. Fruits conical, to 2.9cm long, 1.5cm in diameter. Leaves, calyx, and corolla acumens strigose. 40 fruits collected from seven plants. Annual. Wild. Seed.

PI 567842 **donor id:** CPLS 1214. **origin:** Colombia. **collected:** July 05, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1214. **other id:** BE-4266. **other id:** Q 29325. **locality:** On dirt road from east of Manizales passing La Enea, to Termales of Manizales, 15.3km from La Esperanza. **latitude:** 04 deg. 42 min. N. **longitude:** 075 deg. 22 min. W. **elevation:** 3530m. **remarks:** Leaves to 31cm long, 16cm wide. Plants to 2m high. Annual. Wild. Seed.

PI 567843 to 567845. *Solanum moscopanum* Hawkes SOLANACEAE

Donated by: Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received July 16, 1991.

PI 567843 **donor id:** CPLS 1243. **origin:** Colombia. **collected:** July 15, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1243. **other id:** BE-4266. **other id:** Q 29339. **locality:** Roadside at km 45.6 from Popayan to Paletara, through San Jose de Isnos in Department El Huila. **latitude:** 02 deg. 14 min. N. **longitude:** 076 deg. 29 min. E. **elevation:** 2990m. **remarks:** Corolla violet, wide rotate, with interpetiolar tissue larger than acumens, about 3.2cm diameter. Fruits conical, 3cm long and 1.8cm wide at base. Less large than *S. colombianum* fruits. Growing between *Kniphofia* spp. Annual. Wild. Seed.

PI 567844 **donor id:** CPLS 1256. **origin:** Colombia. **collected:** July 19, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1256. **other id:** BE-4266. **other id:** Q 29348. **locality:** Small clearing in middle of an isolated primary forest at La Sabana, 1km south of San Pedro, and 38.9km north of deviation of Panamerican Highway on Totoro, on road to Gabriel Lopez. **latitude:** 02 deg. 31 min. N. **longitude:** 076 deg. 17 min. W. **elevation:** 3200m. **remarks:** Corolla violet, 2.5 - 2.8cm diameter. Fruits conical but rounded at base, 3.1cm long and 2.1cm wide. Fruits collected from 3 plants. Annual. Wild. Seed.

PI 567845 **donor id:** CPLS 1257b. **origin:** Colombia. **collected:** July 19, 1992. **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. **collector id:** CPLS 1257b. **other id:** BE-4266. **other id:** Q 29350. **other id:** BR-4266. **locality:** Roadside between stones and small shrubs, 8km northeast of Gabriel Lopez on road to Inza and La Plata from Totoro. **latitude:** 02 deg. 30 min. N. **longitude:** 076 deg. 13 min. W. **elevation:** 3290m. **remarks:** Plants about 40cm tall. Leaves with 5-6 lateral leaflets. Leaves 11cm long and 5cm wide. Corolla violet with a white star, 2.6 - 3.1cm diameter. Fruits conical, rounded at base, 3cm long, 2.2cm wide at base. Fruits collected from 2 plants. Annual. Wild. Seed.

PI 567846. *Solanum paucijugum* Bitter SOLANACEAE

Donated by: Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received July 16, 1991.

donor id: SCLp 5071. **origin:** Ecuador. **collected:** May 11, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5071. **other id:** BE-3520. **other id:** Q 28496. **locality:** Under bushes and among *Stipa ichu*, 10.5km W of San Juan, on road to Guaranda by Loma Tililog, on south side of road, Guaranda. **latitude:** 01 deg. 38 min. N. **longitude:** 078 deg. 50 min. W. **elevation:** 3725m. **remarks:** Corolla blue, rotate with large acumens. Fruit maturing to mature, short-conical. Wild. Seed.

PI 567847. *Solanum regularifolium* Correll SOLANACEAE

Donated by: Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received July 16, 1991.

donor id: SCLp 5067. **origin:** Ecuador. **collected:** May 10, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5067. **other id:** BE-3569. **other id:** Q 28577. **locality:** Shaded area in moist soil along both sides of upper banks of Rio Angas and farther up valley of Quebrada Angas, beginning about 500m east of railroad tracks in Quebrada Angas. Juncal. **latitude:** 02 deg. 23 min. N. **longitude:** 078 deg. 57 min. W. **elevation:** 2950m. **remarks:** Corolla white or light blue, rotate to pentagonal, with large acumens. Fruits not yet formed. Tubers with white skin and white flesh. Wild. Seed.

PI 567848. *Solanum tuberosum* subsp. *andigena* Hawkes SOLANACEAE White potato

Donated by: Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

donor id: SCLp 5061. **origin:** Ecuador. **collected:** May 08, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5061. **other id:** BE-3520. **other id:** Q 28492. **other id:** BE-3452. **other id:** Q 28431. **locality:** Farm of Eliseo Castillo on north side of dirt road in San Luis, on road from Biblan to Turupampa. **latitude:** 02 deg. 43 min. N. **longitude:** 078 deg. 54 min. W. **elevation:** 2700m. **remarks:** Above-ground stems dead at this time of year. Round fruits common. Tubers with dark purple flesh, white skin. Said to have been growing wild here for 60+ years. Said to taste excellent. Wild. Seed.

PI 567849. *Solanum tuquerrense* Hawkes SOLANACEAE

Donated by: Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received July 16, 1991.

donor id: SCLp 5100. **origin:** Ecuador. **collected:** May 24, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5100. **other id:** BE-3520. **other id:** Q 28510. **locality:** Organic soil in field by houses at Hacienda Troya, 5.8km east of main road from Tulcan-Quito, less than 1km south of border with Colombia, Tulcan. **latitude:** 00 deg. 44 min. N. **longitude:** 077 deg. 41 min. W. **elevation:** 3230m. **remarks:** Corolla blue, rotate. Fruits maturing to mature, ovate-conical. Leaves shining. Wild. Seed.

PI 567850 to 567852. *Cicer arietinum* L. FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

PI 567850 **donor id:** 070689-0101. **origin:** Turkey. **source history:** UGUR Leblebicisi (Leblebi factory, dry roasted chickpea). **collected:** June 07, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 070689-0101. **other id:** W6 2042. **group:** W6. **remarks:** Cultivated sample from storage. Includes mostly kabuli type medium size. Some desi type and intermediate with kabuli. Also some black desi-like reticulated seeds in sample. Others - medium tan desi, green kabuli, pea shaped kabuli. Sample from local area population. Cultivated. Seed.

PI 567851 **donor id:** 090689-0102. **origin:** Turkey. **collected:** June 09, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 090689-0102. **other id:** W6 2067. **group:** W6. **locality:** 54.2km NE of Siirt on road to Pervari or 4.5km W of junction road to Dogani, (1.4km after crossing river). Palamutlu Village. **latitude:** 37 deg. 56 min. N. **longitude:** 042 deg. 14 min. E. **elevation:** 820m. **remarks:** Sample from seed storage of locally grown material. Cultivated. Seed.

PI 567852 **donor id:** 130689-0101. **origin:** Turkey. **collected:** June 13, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 130689-0101. **other id:** W6 2116. **group:** W6. **locality:** 6km E of Kozluck then 2km N. Tuzlagozu Village. **latitude:** 38 deg. 11 min. N. **longitude:** 041 deg. 34 min. E. **elevation:** 870m. **remarks:** Obtained from seed storage kabuli type. Seed medium size, white, rough. Some desi types, pigmented. Cultivated. Seed.

PI 567853. *Lathyrus sativus* L. FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

PI 567853-continued

donor id: 170689-0101. **origin:** Turkey. **collected:** June 17, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 170689-0101. **other id:** W6 2130. **group:** W6. **locality:** Collected from seed storage. Cultivated in local area. 5km NE of Dinar in Karakuyu Village. **latitude:** 38 deg. 05 min. N. **longitude:** 030 deg. 13 min. E. **elevation:** 1050m. **remarks:** Cultivated for forage. Seed color variable. Cultivated. Seed.

PI 567854. *Lathyrus* sp. FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

* *Lathyrus hierosolymitanus* Boiss. FABACEAE
donor id: 060689-0110. **origin:** Turkey. **collected:** June 06, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 060689-0110. **other id:** W6 2030. **group:** W6. **locality:** Bare disturbed soil with other annual legumes. Cultivated fields disturbed roadside, rocky limestone slopes with much wild Pistachio and *Quercus* trees. About 1km S of road. 21km NW of Senkoy on road to Savur, approx. 6km W of Icoren. **latitude:** 37 deg. 33 min. N. **longitude:** 041 deg. 03 min. E. **elevation:** 1060m. Cultivated. Seed.

PI 567855 to 567874. *Lens culinaris* Medikus FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

PI 567855 to 567874-continued

- PI 567855 **donor id:** 020689-0201. **origin:** Turkey. **collected:** June 02, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 020689-0201. **other id:** W6 1982. **group:** W6. **locality:** Basaltic soil and rocky. 12km W of Karacadag on road Diyarbakir to Siverek or 2km before Uckuyu Village. Siverek Province. **latitude:** 37 deg. 43 min. N. **longitude:** 038 deg. 41 min. E. **elevation:** 980m. **remarks:** Plants very short, cotyledon red. mottled, small. Cultivated. Seed.
- PI 567856 **donor id:** 020689-0401. **origin:** Turkey. **collected:** June 02, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 020689-0401. **other id:** W6 1988. **group:** W6. **locality:** Cultivated lentil field with very dry lentil plants stunted within a dense stand of wild oats. Basaltic clay soil with very large cracks. 2km E of Yolboyu Village. 43km E of Karacadag on road Siverek to Diyarbakir. **latitude:** 37 deg. 54 min. N. **longitude:** 040 deg. 03 min. E. **elevation:** 890m. **remarks:** Cotyledon short, red. Some mottling. Cultivated. Seed.
- PI 567857 **donor id:** 030689-0101. **origin:** Turkey. **collected:** June 03, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 030689-0101. **other id:** W6 1989. **group:** W6. **locality:** 11km or N of Cinar. 11km S of Carikli. Road Diyarbakir-Mardin. **latitude:** 37 deg. 48 min. N. **longitude:** 040 deg. 21 min. E. **elevation:** 875m. **remarks:** Seeds short, small, brown. Cotyledon red. Cultivated. Seed.
- PI 567858 **donor id:** 030689-0401. **origin:** Turkey. **collected:** June 03, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 030689-0401. **other id:** W6 1994. **group:** W6. **locality:** Harvested and in heaps in the field. Soil good, reddish brown. 4km S of Yukari-Konak. **latitude:** 37 deg. 33 min. N. **longitude:** 040 deg. 32 min. E. **elevation:** 950m. **remarks:** Seeds brown with red cotyledons. Cultivated. Seed.
- PI 567859 **donor id:** 040689-0301. **origin:** Turkey. **collected:** June 04, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 040689-0301. **other id:** W6 2000. **group:** W6. **locality:** Collected from small field about 1 ha. Rocky limestone fields. Region of grape cultivation. 13km on road to Savur from intersection of Mardin-Midyat road to Dereyani Village. **latitude:** 37 deg. 26 min. N. **longitude:** 040 deg. 52 min. E. **elevation:** 970m. **remarks:** Plants short, 12-15cm. Seed small. Cotyledon red. Some mottling. Cultivated. Seed.

PI 567855 to 567874-continued

- PI 567860 **donor id:** 060689-0501. **origin:** Turkey. **collected:** June 06, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 060689-0501. **other id:** W6 2037. **group:** W6. **locality:** Cultivated lentil field, droughty conditions. 4.3km W of the intersection of the Senkoy-Savur road on road from Midyat-Mardin. Or 20.3km E of Oemerli. **latitude:** 37 deg. 28 min. N. **longitude:** 041 deg. 09 min. E. **remarks:** Small red cotyledon type plants, short to 20cm. Cultivated. Seed.
- PI 567861 **donor id:** 070689-0401. **origin:** Turkey. **collected:** June 07, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 070689-0401. **other id:** W6 2049. **group:** W6. **locality:** Collected from large threshing piles of lentils, Kocalar Village threshing site. **latitude:** 37 deg. 16 min. N. **longitude:** 040 deg. 39 min. E. **elevation:** 620m. **remarks:** Small red cotyledon type. Variable. Cultivated. Seed.
- PI 567862 **donor id:** 070689-0501. **origin:** Turkey. **collected:** June 07, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 070689-0501. **other id:** W6 2050. **group:** W6. **locality:** Collected from threshing pile. 9.9km E of Kiziltepe on road to Nusayben. Eymirli Village. **latitude:** 37 deg. 10 min. N. **longitude:** 040 deg. 42 min. E. **elevation:** 590m. **remarks:** Plants short to 20cm due to droughty conditions. Small red cotyledon type. Variable. Cultivated. Seed.
- PI 567863 **donor id:** 070689-0601. **origin:** Turkey. **collected:** June 07, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 070689-0601. **other id:** W6 2051. **group:** W6. **locality:** Threshing area. 36km E of Kiziltepe on road to Nusayben. Duzluk Village. **latitude:** 37 deg. 09 min. N. **longitude:** 040 deg. 58 min. E. **remarks:** Plants short due to droughty conditions. Seeds small with red cotyledons. Cultivated. Seed.
- PI 567864 **donor id:** 070689-0701. **origin:** Turkey. **collected:** June 07, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 070689-0701. **other id:** W6 2052. **group:** W6. **locality:** Collected from a pile of threshed lentils (lentils being threshed with stationary thresher). CaCak Dam site. **latitude:** 37 deg. 05 min. N. **longitude:** 041 deg. 13 min. E. **elevation:** 500m. **remarks:** Small red cotyledon. Variable. Cultivated. Seed.

PI 567855 to 567874-continued

- PI 567865 **donor id:** 080689-0201. **origin:** Turkey. **collected:** June 08, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 080689-0201. **other id:** W6 2056. **group:** W6. **locality:** Cultivated lentil field, flat land. 6km W of Midyat on Mardin-Midyat road. **latitude:** 37 deg. 27 min. N. **longitude:** 041 deg. 17 min. E. **elevation:** 1000m. **remarks:** Plants short due to droughty conditions. Variable. Seeds small with red cotyledons. Cultivated. Seed.
- PI 567866 **donor id:** 080689-0501. **origin:** Turkey. **collected:** June 08, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 080689-0501. **other id:** W6 2061. **group:** W6. **locality:** Cultivated field. 14.3km N of Midyat on the Midyat-Batman road. **elevation:** 1120m. **remarks:** Plants short to 20cm due to droughty conditions. Seeds red cotyledon with brown seed coats. Cultivated. Seed.
- PI 567867 **donor id:** 080689-0601. **origin:** Turkey. **collected:** June 08, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 080689-0601. **other id:** W6 2063. **group:** W6. **locality:** Plants in piles, droughty conditions. 13.1km S of the junction road to Siirt on the Midyat-Batman road. **elevation:** 850m. **remarks:** Plants short to 20cm. Seeds red cotyledon with brown mottled testa. Cultivated. Seed.
- PI 567868 **donor id:** 080689-0701. **origin:** Turkey. **collected:** June 08, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 080689-0701. **other id:** W6 2064. **group:** W6. **locality:** Collected from threshing pile, cultivated field. 5.8km E of the Midyat junction road on the Batman-Siirt road. **latitude:** 37 deg. 31 min. N. **longitude:** 041 deg. 22 min. E. **elevation:** 830m. **remarks:** Seeds small with red cotyledons. Brown seed coats with speckling. Cultivated. Seed.
- PI 567869 **donor id:** 080689-0801. **origin:** Turkey. **collected:** June 08, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 080689-0801. **other id:** W6 2065. **group:** W6. **locality:** Cultivated field. 30km E of the Midyat junction road on the road Batman to Siirt, or, 9.6km W of the road to Bospinar. **latitude:** 37 deg. 56 min. N. **longitude:** 041 deg. 27 min. E. **elevation:** 830m. **remarks:** Plants short due to droughty condition. Seeds brown with red cotyledons. Cultivated. Seed.

PI 567855 to 567874-continued

- PI 567870 **donor id:** 090689-0101. **origin:** Turkey. **collected:** June 09, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 090689-0101. **other id:** W6 2066. **group:** W6. **locality:** 54.2km NE of Siirt on road to Pervari or 4.5km W of the junction road to Dogani. (1.4km after crossing river). Palamutlu Village. **latitude:** 37 deg. 56 min. N. **longitude:** 042 deg. 14 min. E. **elevation:** 820m. **remarks:** Sample from seed storage of types grown in local area. Cultivated. Seed.
- PI 567871 **donor id:** 120689-0301. **origin:** Turkey. **collected:** June 12, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 120689-0301. **other id:** W6 2109. **group:** W6. **locality:** Steep W facing 45-50% slope, deep gravily loam, and a gently sloping cultivated field. Field poor yielding due to droughty conditions. 10km E of the Batman junction road on the Diyarbakir-Bitlis road. **latitude:** 38 deg. 10 min. N. **longitude:** 041 deg. 21 min. E. **elevation:** 720m. **remarks:** Extremely weedy, small red cotyledon type. Mottled. Cultivated. Seed.
- PI 567872 **donor id:** 120689-0601. **origin:** Turkey. **collected:** June 12, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 120689-0601. **other id:** W6 2115. **group:** W6. **locality:** Weedy field. Fine grained alluvial soils on river terrace. Yields poor due to droughty conditions. 2.6km S of the junction road to Diyarbakir on the Bitlis-Siirt road. **latitude:** 38 deg. 06 min. N. **longitude:** 041 deg. 46 min. E. **elevation:** 750m. **remarks:** Plants short, 10-15cm tall. Seeds small with red cotyledons and darkly mottled seed coats variable. Cultivated. Seed.
- PI 567873 **donor id:** 130689-0102. **origin:** Turkey. **collected:** June 13, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 130689-0102. **other id:** W6 2117. **group:** W6. **locality:** 6km E of Kozluck then 2km N. Tuzlagozu Village. **latitude:** 38 deg. 11 min. N. **longitude:** 041 deg. 34 min. E. **elevation:** 870m. **remarks:** Obtained from seed storage. Small red cotyledon type with mottled and speckled seeds. Variable. Cultivated. Seed.
- PI 567874 **donor id:** 170689-0103. **origin:** Turkey. **collected:** June 17, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 170689-0103. **other id:** W6 2132. **group:** W6. **locality:** Cultivated in local area. Collected from seed storage. 5km NE of Dinar in Karakuyu Village. **latitude:** 38 deg. 05 min. N. **longitude:** 030 deg. 13 min. E. **elevation:** 1050m. **remarks:** Seed size and coat color variable. Cultivated. Seed.

PI 567875. *Onobrychis* sp. FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

donor id: 020689-0305. **origin:** Turkey. **collected:** June 02, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 020689-0305. **other id:** W6 1987. **group:** W6. **locality:** Rocky basalt outcrops dominated by *Secale montanum*, *Hordeum bulbosum*. 7km E of Karabache Village, hwy maint. substation 1km S of road in protected, ungrazed, recently forested area. 20km E of Karacadag on road Siverek to Diyarbakir. **latitude:** 37 deg. 51 min. N. **longitude:** 039 deg. 49 min. E. **elevation:** 1320m. **remarks:** Perennial, erect to 0.4m. Infrequent, 3-4 plants sampled. Legume pods spiny. Sperling Herbarium Voucher no. 6900. Cultivated. Seed.

PI 567876 to 567877. *Phaseolus vulgaris* L. FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

PI 567876 **donor id:** 010689-0103. **origin:** Turkey. **collected:** June 01, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 010689-0103. **other id:** W6 1969. **group:** W6. **locality:** Central market store (seed for sale for planting). Said to be grown in Tokat region. Town of Malatya. **remarks:** Seeds half white half red-purple, mottled with red-purple. Cultivated. Seed.

PI 567877 **donor id:** 010689-0104. **origin:** Turkey. **collected:** June 01, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 010689-0104. **other id:** W6 1970. **group:** W6. **locality:** Central market store (seed for sale for planting). Said to be grown in Tokat region. Town of Malatya. **remarks:** Beans white, nearly half brown. Cultivated. Seed.

PI 567878. *Sanguisorba minor* Scop. ROSACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

donor id: 110689-0103. **origin:** Turkey. **collected:** June 11, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 110689-0103. **other id:** W6 2096. **group:** W6. **locality:** Frequent on slope. Loose rocky limestone soil. Formerly grazed, newly reforested NE facing (30-35%) slope. 5km W of Erüh on Siirt-Erüh road. **latitude:** 37 deg. 46 min. N. **longitude:** 042 deg. 08 min. E. **elevation:** 1100m. Wild. Seed.

PI 567879. *Trigonella foenum-graecum* L. FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

donor id: 010689-0102. **origin:** Turkey. **collected:** June 01, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 010689-0102. **other id:** W6 1968. **group:** W6. **locality:** Central market store (seed for planting). Said to be grown in Elazig. Town of Malatya. Cultivated. Seed.

PI 567880. *Vicia sativa* L. FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

donor id: 140689-0201. **origin:** Turkey. **collected:** June 14, 1989. **collector:** F.J. Muehlbauer, W.J. Kaiser, C.R. Sperling. **collector id:** 140689-0201. **other id:** W6 2121. **group:** W6. **locality:** Cultivated, irrigated field. 8km before junction road to Sivrice. N side of Hazar Lake on Diyarbakir-Elazig road. **latitude:** 38 deg. 30 min. N. **longitude:** 039 deg. 21 min. E. **elevation:** 1250m. **remarks:** Harvested for forage. Cultivated. Seed.

PI 567881 to 567893. *Vicia faba* L. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

PI 567881 **donor id:** WKT 03. **origin:** Turkey. **collected:** July 26, 1985. **collector:** W.J. Kaiser. **collector id:** 260785-02. **other id:** W6 11500. **group:** W6. **locality:** Threshing site at Yenikov village, 25km after intersection of roads to Gediz and Izmir-Uşak, Kutahya Province. **elevation:** 710m. Cultivated. Seed.

PI 567882 **donor id:** WKT 04. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **collector id:** 280785-42. **other id:** W6 11501. **group:** W6. **locality:** From ground around truck scale on Mobile Gas Station at Intepe on road from Canakkale, Canakkale Province. **elevation:** 90m. Cultivated. Seed.

PI 567883 **donor id:** WKT 02. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **collector id:** 280785-0103. **other id:** W6 11502. **group:** W6. **locality:** Threshing area in Bezirci village, 26km to Gonen road to Canakkale, Balikesir Province. **elevation:** 180m. Cultivated. Seed.

PI 567884 **donor id:** WKT 01. **origin:** Turkey. **collected:** July 28, 1975. **collector:** W.J. Kaiser. **collector id:** 280785-0301. **other id:** W6 11503. **group:** W6. **locality:** Threshing pile, 14km after Gonen on road to Biga, Balikesir Province. **elevation:** 75m. **remarks:** Seeds large, flat. Cultivated. Seed.

PI 567885 **donor id:** WKT 11. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **collector id:** 280785-0401. **other id:** W6 11504. **group:** W6. **locality:** Threshing area, in village, 34km after Gonen on way to Biga, Guvemalan village, Canakkale Province. **elevation:** 50m. **remarks:** Seeds large, flat. Cultivated. Seed.

PI 567881 to 567893-continued

- PI 567886 **donor id:** WKT 10. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **collector id:** 280785-0402. **other id:** W6 11505. **group:** W6. **locality:** From seed storage in Guvemalan village, 34km after Gonen on way to Biga, Canakkale Province. **elevation:** 50m. **Cultivated.** Seed.
- PI 567887 **donor id:** WKT 09. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **collector id:** 280785-0502. **other id:** W6 11506. **group:** W6. **locality:** From seed store in Goktere village, 12km after Biga on to Canakkale, Canakkale Province. **elevation:** 80m. **remarks:** Large-seeded line. **Cultivated.** Seed.
- PI 567888 **donor id:** WKT 12. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **collector id:** 280785-0701. **other id:** W6 11507. **group:** W6. **locality:** Threshing pile, Adatepe village, 12km to Lapseki on road from Biga, Canakkale Province. **elevation:** 60m. **remarks:** Seeds large, flat. **Cultivated.** Seed.
- PI 567889 **donor id:** WKT 13. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **collector id:** 280785-0901. **other id:** W6 11508. **group:** W6. **locality:** From piles of plants drying in field at edge of Canakkale coming from Lapseki, Canakkale Province. **elevation:** 50m. **remarks:** Seeds large, flat. Necrotic lesions observed on some seeds (possibly ascochyta). **Cultivated.** Seed.
- PI 567890 **donor id:** WKT 08. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **collector id:** 280785-1001. **other id:** W6 11509. **group:** W6. **locality:** From seed store in Turkmenli village on road to Bayramic, Canakkale Province. **elevation:** 110m. **Cultivated.** Seed.
- PI 567891 **donor id:** WKT 07. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **collector id:** 280785-1002. **other id:** W6 11510. **group:** W6. **locality:** From storage in Turkmenli village on road to Bayramic, Canakkale Province. **elevation:** 110m. **Cultivated.** Seed.
- PI 567892 **donor id:** WKT 05. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **collector id:** 280785-1103. **other id:** W6 11511. **group:** W6. **locality:** 7km after Ezine on road to Izmir, Canakkale Province. **elevation:** 120m. **remarks:** Seeds large. **Cultivated.** Seed.

PI 567881 to 567893-continued

PI 567893 **donor id:** WKT 06. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **collector id:** 280785-1104. **other id:** W6 11512. **group:** W6. **locality:** Threshing area at Bacili village, 7km after Ezine on road to Izmir, Canakkale Province. **elevation:** 120m. **remarks:** Seed size variable. Cultivated. Seed.

PI 567894. *Medicago sativa* L. FABACEAE Alfalfa

Donated by: Stratton, S.D., FFR Cooperative, 4112 East State Road 225, West Lafayette, Indiana 47906, United States. **remarks:** Resistar Alfalfa. Received April 28, 1993.

* *Medicago sativa* L. subsp. *sativa* FABACEAE Alfalfa
origin: United States. **developed:** S.D. Stratton. **origin institute:** FFR Cooperative, 4112 East State Road 225, West Lafayette, Indiana 47906 United States. **cultivar:** RESISTAR. **pedigree:** Traces to the cultivars Arrow, Centurion, Dart, Sparta and Verta+. Germplasm sources are 5% *M. falcata*, 5% Ladak, 25% *M. varia*, 12% Turkistan, 46% Flemish, 7% Chilean, 2% Peruvian, and 2% unknown. **other id:** W6 11575. **group:** W6. **other id:** CV-185. **source:** Crop Sci. 34(1):305 1994. **group:** CSR-ALFALFA. **restricted:** CSR. **remarks:** Similar in fall dormancy to Saranac. Highly resistant to fusarium wilt (*Fusarium oxysporum*), Verticillium wilt (*Verticillium albo-atrum*), and Phytophthora root rot (*Phytophthora megasperma* f. sp. *medicaginis*). Resistant to anthracnose (race 1) (*Colletotrichum trifolii*), bacterial wilt (*Clavibacter michiganense* subsp. *insidiosum*), and stem nematode (*Ditylenchus dipsaci*). Moderately resistant to spotted alfalfa aphid (*Therioaphis maculata*). Flower color approx. 86% purple, 14% variegated, and a trace of cream, yellow and white. Perennial. Cultivar. Seed.

PI 567895. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Nordquist, P.T., University of Nebraska - Lincoln, West Central Research & Extension Center, Rt. 4, Box 46A, North Platte, Nebraska 69101, United States. Received April 28, 1993.

origin: United States. **cultivar:** N133. **Breeding Material.** Seed.

PI 567896. *Leymus mollis* (Trin.) Pilger POACEAE Beach wildrye

Donated by: Wright, S.J., Alaska Plant Materials Center, Div. of Agric., Dep. of Nat. Resources, Palmer, Alaska 99645, United States. **remarks:** Benson Beach Wildrye. Received April 28, 1993.

origin: United States. **developed:** Stoney J. Wright.
origin institute: Alaska Plant Materials Center, Div. of
Agric., Dep. of Nat. Resources, HC 02 Box 7440, Palmer,
Alaska 99645 United States. **source history:** Parental
seed collected on Kodiak Island, U.S. Coast Guard Loran
Station, Narrow Cape, Kodiak, Alaska. **cultivar:** BENSON.
pedigree: Vegetatively propagated cultivar of a native
species. **collected:** September 09, 1980. **other id:** AK
PMC 80-7. **other id:** W6 11574. **group:** W6. **other id:**
CV-161. **source:** Crop Sci. 34(2):537 1994. **group:**
CSR-OTHER GRASSES. **restricted:** CSR. **remarks:** Erect,
tall growing, perennial grass adapted to coastal areas.
Strongly rhizomatous with some rhizomes growing in excess
of 1.5m per year. Usually grows to a height of 1.2m.
Leaves tend to be more true green than the closely
related cultivar Reeve which is more blue in color.
Vegetatively propagated following initial establishment
at Palmer. Perennial. Cultivar. Plant.

PI 567897. *Poa pratensis* L. POACEAE Kentucky bluegrass

Donated by: Pure-Seed Testing, Inc., United States. Received May
03, 1993.

origin: United States. **origin institute:** Pure-Seed
Testing, Inc. United States. **cultivar:** A82-208. **other**
id: PVP 9200280. **source:** Pending. **group:** PVPO. **patent:**
PVPO. Cultivar. Seed.

PI 567898. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Delta and Pine Land Company, United States. Received
May 03, 1993.

origin: United States. **origin institute:** Delta and Pine
Land Company United States. **cultivar:** DP 5409. **other**
id: PVP 9300189. **source:** Pending. **group:** PVPO. **patent:**
PVPO. Cultivar. Seed.

PI 567899. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Stoneville Pedigreed Seed Company, United States.
Received May 03, 1993.

origin: United States. **origin institute:** Stoneville
Pedigreed Seed Company United States. **cultivar:**
X84-828. **other id:** PVP 9300190. **source:** Pending.
group: PVPO. **patent:** PVPO. Cultivar. Seed.

PI 567900. *Festuca longifolia* Thuill. POACEAE Hard fescue

Donated by: Pure-Seed Testing, Inc., United States. Received May 03, 1993.

origin: United States. **origin institute:** Pure-Seed Testing, Inc. United States. **cultivar:** NORDIC. **other id:** PVP 9300191. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 567901. *Lactuca sativa* L. ASTERACEAE Lettuce

Donated by: Brinker Orsetti Seed Company, Inc, United States. Received May 03, 1993.

origin: United States. **origin institute:** Brinker Orsetti Seed Company, Inc. United States. **cultivar:** WESTLAND. **other id:** PVP 9300193. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 567902. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Ohio Agr. Research & Development Center, Ohio, United States; and Agricultural Research Service -- USDA. Received May 03, 1993.

origin: United States. **origin institute:** Ohio Agr. Research & Development Center, Wooster, Ohio United States. **cultivar:** CHARLESTON. **pedigree:** HC74-643RE (Williams x Ransom) x HC78-676 (L70T543G x L74D-619). **other id:** PVP 9300194. **source:** Pending. **group:** PVPO. **other id:** HC85-6724. **patent:** PVPO. **remarks:** Mid-group III determinate semidwarf variety. Flowers purple, tawny pubescence, tan pods at maturity and yellow seeds with black hilum. Superior yield potential. Frequently exceeded 4700 kg/ha (70 bu/A) in yield. Highly tolerant to *Phytophthora* root rot. Cultivar. Seed.

PI 567903. *Zea mays* L. subsp. *mays* POACEAE Field corn

Donated by: DowElanco, United States. Received May 03, 1993.

origin: United States. **origin institute:** DowElanco United States. **cultivar:** CL614. **other id:** PVP 9300195. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 567904. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Delta and Pine Land Company, United States. Received May 03, 1993.

origin: United States. **origin institute:** Delta and Pine Land Company United States. **cultivar:** DP 3553. **other id:** PVP 9300196. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 567905. *X Triticosecale* sp. POACEAE Spring triticale

Donated by: Agrecol Corporation, United States. Received May 03, 1993.

origin: United States. **origin institute:** Agrecol Corporation United States. **cultivar:** PLAINS. **other id:** PVP 9300197. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 567906. *Festuca rubra* var. *commutata* Gaudin POACEAE Chewings fescue

Donated by: Pure-Seed Testing, Inc., United States. Received May 03, 1993.

origin: United States. **origin institute:** Pure-Seed Testing, Inc. United States. **cultivar:** TIFFANY. **other id:** PVP 9300198. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 567907. *Triticum aestivum* L., nom. cons. POACEAE Soft red winter wheat

Donated by: Northrup King Company, United States. Received May 03, 1993.

origin: United States. **origin institute:** Northrup King Company United States. **cultivar:** COKER 9904. **other id:** PVP 9300199. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 567908. *Festuca arundinacea* Schreber POACEAE Tall fescue

Donated by: Lofts Seed, Inc., United States. Received May 03, 1993.

origin: United States. **origin institute:** Lofts Seed, Inc. United States. **cultivar:** REBEL 3D. **other id:** PVP 9300200. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 567909 to 567952. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Daxiang, T., Institute of Crop Germplasm Resources, Chinese Academy of Agricultural Sciences, 30 Bai Shi Qino Road, Beijing, China. **remarks:** Received through China-United States Sorghum Germplasm Exchange Program. Quarantine inspection ref. BE 4435. Received April 20, 1993.

- PI 567909 **donor id:** 3218. **origin:** China. **cultivar:** BAI GAO LIANG (FU XIN). **other id:** 00042. **group:** CAAS. Landrace. Seed.
- PI 567910 **donor id:** 566. **origin:** China. **cultivar:** BAI LIU ZI (FU YANG). **other id:** 00048. **group:** CAAS. Landrace. Seed.
- PI 567911 **donor id:** 3232. **origin:** China. **cultivar:** BAI NIAN GAO LIANG (JIN XI). **other id:** 00051. **group:** CAAS. Landrace. Seed.
- PI 567912 **donor id:** 588. **origin:** China. **cultivar:** BAI NIAN SHU SHU (LING BI). **other id:** 00052. **group:** CAAS. Landrace. Seed.
- PI 567913 **donor id:** 3237. **origin:** China. **cultivar:** BAI SHE YAN (SUI ZHONG). **other id:** 00053. **group:** CAAS. Landrace. Seed.
- PI 567914 **donor id:** 887. **origin:** China. **cultivar:** BANG CHUI HONG. **other id:** 00055. **group:** CAAS. Landrace. Seed.
- PI 567915 **origin:** China. **cultivar:** CHANG QI GAO LIANG (QI MEN). **other id:** 00061. **group:** CAAS. Landrace. Seed.
- PI 567916 **donor id:** 3058. **origin:** China. **cultivar:** DA BAI KE (FU XIN). **other id:** 00077. **group:** CAAS. Landrace. Seed.
- PI 567917 **donor id:** 1858. **origin:** China. **cultivar:** DA GAO LIANG (ZHONG YANG). **other id:** 00082. **group:** CAAS. Landrace. Seed.
- PI 567918 **donor id:** 3102. **origin:** China. **cultivar:** DA HEI TOU (JIN ZHOU). **other id:** 00086. **group:** CAAS. Landrace. Seed.
- PI 567919 **donor id:** 5083. **origin:** China. **cultivar:** DA HONG PAO. **other id:** 00089. **group:** CAAS. Landrace. Seed.
- PI 567920 **origin:** China. **cultivar:** DA HONG PAO. **other id:** 00091. **group:** CAAS. Landrace. Seed.
- PI 567921 **donor id:** 1843. **origin:** China. **cultivar:** DA HONG PAO (CHANG ZHI). **other id:** 00092. **group:** CAAS. Landrace. Seed.

PI 567909 to 567952-continued

- PI 567922 **donor id:** 3085. **origin:** China. **cultivar:** DA HONG ZHI (JIN ZHOU). **other id:** 00096. **group:** CAAS. Landrace. Seed.
- PI 567923 **donor id:** 1853. **origin:** China. **cultivar:** DA LIE BO NIU XIN (DAI XIAN). **other id:** 00102. **group:** CAAS. Landrace. Seed.
- PI 567924 **donor id:** 5198. **origin:** China. **cultivar:** DA LUO CHUI. **other id:** 00103. **group:** CAAS. Landrace. Seed.
- PI 567925 **donor id:** 543. **origin:** China. **cultivar:** DA LUO CHUI (HUAI YUAN). **other id:** 00107. **group:** CAAS. Landrace. Seed.
- PI 567926 **donor id:** 1847. **origin:** China. **cultivar:** DA NUI XIN (TAI YUAN). **other id:** 00111. **group:** CAAS. Landrace. Seed.
- PI 567927 **donor id:** 1860. **origin:** China. **cultivar:** DA PEI TOU (DING XIANG). **other id:** 00112. **group:** CAAS. Landrace. Seed.
- PI 567928 **donor id:** 1861. **origin:** China. **cultivar:** DA PEI TOU (WU TAI). **other id:** 00113. **group:** CAAS. Landrace. Seed.
- PI 567929 **donor id:** 1873. **origin:** China. **cultivar:** DA QING YE (YANG QU). **other id:** 00117. **group:** CAAS. Landrace. Seed.
- PI 567930 **donor id:** 1855. **origin:** China. **cultivar:** DA RUAN JIAO (FAN SHI). **other id:** 00118. **group:** CAAS. Landrace. Seed.
- PI 567931 **donor id:** 1864. **origin:** China. **cultivar:** DA SHAN DONG (WEN SHUI). **other id:** 00120. **group:** CAAS. Landrace. Seed.
- PI 567932 **donor id:** 3072. **origin:** China. **cultivar:** DA SHE YAN (SUI ZHONG). **other id:** 00122. **group:** CAAS. Landrace. Seed.
- PI 567933 **donor id:** 408. **origin:** China. **cultivar:** ER HUANG JIN. **other id:** 00130. **group:** CAAS. Cultivar. Seed.
- PI 567934 **donor id:** 5000. **origin:** China. **cultivar:** ER JIE ZI. **other id:** 00131. **group:** CAAS. Cultivar. Seed.
- PI 567935 **donor id:** 2992. **origin:** China. **cultivar:** ER MAO ZI. **other id:** 00132. **group:** CAAS. Cultivar. Seed.

PI 567909 to 567952-continued

- PI 567936 **origin:** China. **cultivar:** ER PU LI. **other id:** 00133.
group: CAAS. Cultivar. Seed.
- PI 567937 **donor id:** 4993. **origin:** China. **cultivar:** ER QING.
other id: 00134. **group:** CAAS. Cultivar. Seed.
- PI 567938 **donor id:** 5507. **origin:** China. **cultivar:** FAN GAO LIANG.
other id: 00139. **group:** CAAS. Landrace. Seed.
- PI 567939 **donor id:** 5603. **origin:** China. **cultivar:** GAO LIANG.
other id: 00143. **group:** CAAS. Cultivar. Seed.
- PI 567940 **donor id:** 2143. **origin:** China. **cultivar:** GU LI CANG.
other id: 00145. **group:** CAAS. Cultivar. Seed.
- PI 567941 **donor id:** 5456. **origin:** China. **cultivar:** GUAN DONG GAO
LIANG. **other id:** 00146. **group:** CAAS. Cultivar. Seed.
- PI 567942 **donor id:** 5812. **origin:** China. **cultivar:** HEI KE ZI.
other id: 00166. **group:** CAAS. Landrace. Seed.
- PI 567943 **donor id:** 898. **origin:** China. **cultivar:** HEI LAO GUA FAN
BAI YAN (FU YANG). **other id:** 00167. **group:** CAAS.
Landrace. Seed.
- PI 567944 **donor id:** 3272. **origin:** China. **cultivar:** HONG KE (JIN
XIAN). **other id:** 00214. **group:** CAAS. Landrace. Seed.
- PI 567945 **donor id:** 667. **origin:** China. **cultivar:** HONG KE JIAO
ZI. **other id:** 00223. **group:** CAAS. Landrace. Seed.
- PI 567946 **donor id:** 5357. **origin:** China. **cultivar:** HONG KE ZI.
other id: 00228. **group:** CAAS. Landrace. Seed.
- PI 567947 **donor id:** 679. **origin:** China. **cultivar:** HONG LIU ZI
(DING YUAN). **other id:** 00229. **group:** CAAS. Landrace.
Seed.
- PI 567948 **origin:** China. **cultivar:** JIN GUANG GAO LIANG. **other id:**
00273. **group:** CAAS. Cultivar. Seed.
- PI 567949 **donor id:** 794. **origin:** China. **cultivar:** JIN LIANG 5
HAO. **other id:** 00274. **group:** CAAS. Cultivar. Seed.
- PI 567950 **donor id:** 610. **origin:** China. **cultivar:** LAO HONG SHU
SHU (TAI HE). **other id:** 00286. **group:** CAAS. Landrace.
Seed.
- PI 567951 **donor id:** 5331. **origin:** China. **cultivar:** LAO YA ZUO.
other id: 00288. **group:** CAAS. Landrace. Seed.

PI 567909 to 567952-continued

PI 567952 **donor id:** 3261. **origin:** China. **cultivar:** LE MI XIANG (SUI ZHONG). **other id:** 00289. **group:** CAAS. Landrace. Seed.

PI 567953 to 568053. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Jianhua, R., Institute of Crop Germplasm Resources, Shanxi Academy of Agricultural Science, Taiyuan, Shanxi 0300031, China. **remarks:** Received through China-United States Sorghum Germplasm Exchange Program. Quarantine inspection ref. BE 4615. Received May 03, 1993.

PI 567953 **donor id:** 1738. **origin:** China. **cultivar:** ER NIU XIN. **locality:** Yuan Ping. Cultivar. Seed.

PI 567954 **donor id:** 1750. **origin:** China. **cultivar:** ER GUAN DONG. **locality:** Yu Ci. Cultivar. Seed.

PI 567955 **donor id:** 1763. **origin:** China. **cultivar:** ER MI HUANG. **locality:** Shuo Xian. Cultivar. Seed.

PI 567956 **donor id:** 1767. **origin:** China. **cultivar:** ER LIE BO. **locality:** Shan Yin. Cultivar. Seed.

PI 567957 **donor id:** 1771. **origin:** China. **cultivar:** ER LIE BANG. **locality:** Fan Shi. Cultivar. Seed.

PI 567958 **donor id:** 1774. **origin:** China. **cultivar:** ER XIAO LAO. **locality:** Tun Liu. Cultivar. Seed.

PI 567959 **donor id:** 1778. **origin:** China. **cultivar:** ER PI TOU GAO LIANG. **locality:** Wu Tai. Cultivar. Seed.

PI 567960 **donor id:** 1782. **origin:** China. **cultivar:** ER E HUANG. **locality:** Tian Zhen. Cultivar. Seed.

PI 567961 **donor id:** 1786. **origin:** China. **cultivar:** ER HEI KE. **locality:** Yang Gao. Cultivar. Seed.

PI 567962 **donor id:** 1794. **origin:** China. **cultivar:** ER ZHA LI. **locality:** Jie Xiu. Cultivar. Seed.

PI 567963 **donor id:** 1795. **origin:** China. **cultivar:** ER BA QIU. **locality:** Ping Yao. Cultivar. Seed.

PI 567964 **donor id:** 1817. **origin:** China. **cultivar:** DA E HUANG. **locality:** Yang Gao. Cultivar. Seed.

PI 567965 **donor id:** 1818. **origin:** China. **cultivar:** DA E HUANG. **locality:** Shan Yin. Cultivar. Seed.

PI 567953 to 568053-continued

- PI 567966 donor id: 1836. origin: China. cultivar: DA HUANG RUAN
GAO LIANG. locality: Dai Xian. Cultivar. Seed.
- PI 567967 donor id: 1838. origin: China. cultivar: DA HEI MAO.
locality: Jiao Cheng. Cultivar. Seed.
- PI 567968 donor id: 1841. origin: China. cultivar: DA HONG GAO
LIANG. locality: Wu Zhai. Cultivar. Seed.
- PI 567969 donor id: 1842. origin: China. cultivar: DA HONG GAO
LIANG. locality: Pian Guan. Cultivar. Seed.
- PI 567970 donor id: 1845. origin: China. cultivar: DA NIU XIN.
locality: Shou Yang. Cultivar. Seed.
- PI 567971 donor id: 1846. origin: China. cultivar: DA NIU XIN.
locality: Yang Qu. Cultivar. Seed.
- PI 567972 donor id: 1848. origin: China. cultivar: DA NIU XIN.
locality: Jing Le. Cultivar. Seed.
- PI 567973 donor id: 1850. origin: China. cultivar: DA GUAN DONG.
locality: Yu Ci. Cultivar. Seed.
- PI 567974 donor id: 1851. origin: China. cultivar: DA GUAN DONG.
locality: Jiao Cheng. Cultivar. Seed.
- PI 567975 donor id: 1852. origin: China. cultivar: DA LIE BO.
locality: Tai Gu. Cultivar. Seed.
- PI 567976 donor id: 1854. origin: China. cultivar: DA RUAN JIAO.
locality: Yuan Ping. Cultivar. Seed.
- PI 567977 donor id: 1857. origin: China. cultivar: DA LI HUANG.
locality: Wu Tai. Cultivar. Seed.
- PI 567978 donor id: 1859. origin: China. cultivar: DA PI TOU.
locality: Wu Tai. Cultivar. Seed.
- PI 567979 donor id: 1862. origin: China. cultivar: DA PI TOU
JIAO. locality: Wu Tai. Cultivar. Seed.
- PI 567980 donor id: 1863. origin: China. cultivar: DA HAN GAO
LIANG. locality: Pian Guan. Cultivar. Seed.
- PI 567981 donor id: 1870. origin: China. cultivar: DA BAI GAN.
locality: Guan Ling. Cultivar. Seed.
- PI 567982 donor id: 1872. origin: China. cultivar: DA LANG WEI.
locality: Tai Gu. Cultivar. Seed.

PI 567953 to 568053-continued

PI 567983 donor id: 1875. origin: China. cultivar: DA BI BO.
locality: Yuan Ping. Cultivar. Seed.

PI 567984 donor id: 1876. origin: China. cultivar: DA ZHUO SAN.
locality: Jing Le. Cultivar. Seed.

PI 567985 donor id: 1878. origin: China. cultivar: XIAO GAO
LIANG. locality: Xiao Yi. Cultivar. Seed.

PI 567986 donor id: 1880. origin: China. cultivar: XIAO GAO
LIANG. locality: Jing Le. Cultivar. Seed.

PI 567987 donor id: 1883. origin: China. cultivar: XIAO HONG GAO
LIANG. locality: Guang Ling. Cultivar. Seed.

PI 567988 donor id: 1886. origin: China. cultivar: DA HONG GAO
LIANG. locality: Xing Xian. Cultivar. Seed.

PI 567989 donor id: 1887. origin: China. cultivar: XIAO HONG
JIAO. locality: Fan Shi. Cultivar. Seed.

PI 567990 donor id: 1889. origin: China. cultivar: XIAO HONG
JIAO. locality: Wu Tai. Cultivar. Seed.

PI 567991 donor id: 1890. origin: China. cultivar: XIAO HONG
JIAO. locality: Wu Xiang. Cultivar. Seed.

PI 567992 donor id: 1891. origin: China. cultivar: XIAO HONG
JIAO. locality: Yuan Ping. Cultivar. Seed.

PI 567993 donor id: 1893. origin: China. cultivar: XIAO HONG
JIAO. locality: Shan Yin. Cultivar. Seed.

PI 567994 donor id: 1894. origin: China. cultivar: XIAO HONG
JIAO. locality: Ying Xian. Cultivar. Seed.

PI 567995 donor id: 1897. origin: China. cultivar: XIAO HONG KE.
locality: Tian Zhen. Cultivar. Seed.

PI 567996 donor id: 1898. origin: China. cultivar: XIAO HONG MAO
JIAO. locality: Yuan Ping. Cultivar. Seed.

PI 567997 donor id: 1899. origin: China. cultivar: XIAO HUAN MAO
JIAO. locality: Yuan Ping. Cultivar. Seed.

PI 567998 donor id: 1906. origin: China. cultivar: XIAO HEI MAO
JIAO. locality: Yuan Ping. Cultivar. Seed.

PI 567999 donor id: 1907. origin: China. cultivar: XIAO HEI GAO
JIAO. locality: Shan Yin. Cultivar. Seed.

PI 567953 to 568053-continued

PI 568000 **donor id:** 1917. **origin:** China. **cultivar:** XIAO HE DONG.
locality: Lin Xian. Cultivar. Seed.

PI 568001 **donor id:** 1918. **origin:** China. **cultivar:** XIAO SAN ER
TOU. **locality:** Tai Yuan. Cultivar. Seed.

PI 568002 **donor id:** 1919. **origin:** China. **cultivar:** XIAO BA YUE
QING. **locality:** Qi Xian. Cultivar. Seed.

PI 568003 **donor id:** 1921. **origin:** China. **cultivar:** XIAO GAN CAO
JIAO. **locality:** Wu Tai. Cultivar. Seed.

PI 568004 **donor id:** 1923. **origin:** China. **cultivar:** QIAN JIN HONG.
locality: Jiao Cheng. Cultivar. Seed.

PI 568005 **donor id:** 1926. **origin:** China. **cultivar:** MA WEI NIAN
JIAO. **locality:** Wu Tai. Cultivar. Seed.

PI 568006 **donor id:** 1929. **origin:** China. **cultivar:** ZHANG BA QIAN
RUAN GAO LIANG. **locality:** Lin Xian. Cultivar. Seed.

PI 568007 **donor id:** 1931. **origin:** China. **cultivar:** SAN CHI GAO
RUAN GAO LIANG. **locality:** Lin Xian. Cultivar. Seed.

PI 568008 **donor id:** 1932. **origin:** China. **cultivar:** SAN HUANG
JIAO. **locality:** Ying Xian. Cultivar. Seed.

PI 568009 **donor id:** 1933. **origin:** China. **cultivar:** SAN JING JIAO
ZI. **locality:** Ying Xian. Cultivar. Seed.

PI 568010 **donor id:** 1934. **origin:** China. **cultivar:** SAN BANG LANG.
locality: Yang Gao. Cultivar. Seed.

PI 568011 **donor id:** 1937. **origin:** China. **cultivar:** NIU WEI BA.
locality: Bao De. Cultivar. Seed.

PI 568012 **donor id:** 1942. **origin:** China. **cultivar:** NIU XIN.
locality: Tai Yuan. Cultivar. Seed.

PI 568013 **donor id:** 1943. **origin:** China. **cultivar:** NIU XIN.
locality: Xin Xian. Cultivar. Seed.

PI 568014 **donor id:** 1944. **origin:** China. **cultivar:** NIU XIN JIAO
ZI. **locality:** Wu Tai. Cultivar. Seed.

PI 568015 **donor id:** 1946. **origin:** China. **cultivar:** NIU XIN CHUI
GAO LIANG. **locality:** Xing Xian. Cultivar. Seed.

PI 568016 **donor id:** 1947. **origin:** China. **cultivar:** NIU SHENG ZUI.
locality: Jie Xiu. Cultivar. Seed.

PI 567953 to 568053-continued

- PI 568017 donor id: 1951. origin: China. cultivar: MU GE WO.
locality: Wen Shui. Cultivar. Seed.
- PI 568018 donor id: 1953. origin: China. cultivar: MU GE WO.
locality: Qing Xu. Cultivar. Seed.
- PI 568019 donor id: 1958. origin: China. cultivar: LIU YUE XIAN.
locality: Da Tong. Cultivar. Seed.
- PI 568020 donor id: 1966. origin: China. cultivar: FENG SHOU SI
HAO. locality: Fan Shi. Cultivar. Seed.
- PI 568021 donor id: 1968. origin: China. cultivar: YUN ZHONG XING
JIAO. locality: Shan Yin. Cultivar. Seed.
- PI 568022 donor id: 1969. origin: China. cultivar: FEN LU MEI.
locality: Guang Ling. Cultivar. Seed.
- PI 568023 donor id: 1972. origin: China. cultivar: BAI GAO LIANG.
locality: Lan Xian. Cultivar. Seed.
- PI 568024 donor id: 1975. origin: China. cultivar: BAI GAO LIANG.
locality: Zuo Quan. Cultivar. Seed.
- PI 568025 donor id: 1979. origin: China. cultivar: BAI GAO LIANG.
locality: Gao Ping. Cultivar. Seed.
- PI 568026 donor id: 1980. origin: China. cultivar: BAI JIAO.
locality: Zuo Quan. Cultivar. Seed.
- PI 568027 donor id: 1982. origin: China. cultivar: BAI YING JIAO.
locality: Shan Yin. Cultivar. Seed.
- PI 568028 donor id: 1983. origin: China. cultivar: BAI NING JIAO.
locality: Yuan Ping. Cultivar. Seed.
- PI 568029 donor id: 1995. origin: China. cultivar: BAI RUAN JIAO.
locality: Wu Tai. Cultivar. Seed.
- PI 568030 donor id: 2002. origin: China. cultivar: SI DA JIANG.
locality: Xiang Yuan. Cultivar. Seed.
- PI 568031 donor id: 2010. origin: China. cultivar: DA LUO CHUI.
locality: Zuo Quan. Cultivar. Seed.
- PI 568032 donor id: 2012. origin: China. cultivar: DA LUO GE TA.
locality: Jin Cheng. Cultivar. Seed.
- PI 568033 donor id: 2013. origin: China. cultivar: JIU GAO LIANG.
locality: He Qu. Cultivar. Seed.

PI 567953 to 568053-continued

- PI 568034 donor id: 2014. origin: China. cultivar: PING DING SHAN. locality: Yang Qu. Cultivar. Seed.
- PI 568035 donor id: 2018. origin: China. cultivar: DONG YIAN HUANG GAO LIANG. locality: Wu Tai. Cultivar. Seed.
- PI 568036 donor id: 2019. origin: China. cultivar: HONG GAO LIANG. locality: Da Tong. Cultivar. Seed.
- PI 568037 donor id: 2024. origin: China. cultivar: HONG GAO LIANG. locality: Lan Xian. Cultivar. Seed.
- PI 568038 donor id: 2046. origin: China. cultivar: HONG KE JIAO. locality: Jin Zhong. Cultivar. Seed.
- PI 568039 donor id: 2056. origin: China. cultivar: HONG RUAN JIAO. locality: Wu Xiang. Cultivar. Seed.
- PI 568040 donor id: 2058. origin: China. cultivar: HONG E ER HUANG. locality: Tai Gu. Cultivar. Seed.
- PI 568041 donor id: 2071. origin: China. cultivar: GE TA SUI. locality: Qing Xu. Cultivar. Seed.
- PI 568042 donor id: 2075. origin: China. cultivar: GE TA SUI. locality: Yu She. Cultivar. Seed.
- PI 568043 donor id: 2080. origin: China. cultivar: BAI RI HONG. locality: Wen Shui. Cultivar. Seed.
- PI 568044 donor id: 2081. origin: China. cultivar: BAI RI HONG. locality: Ping Yao. Cultivar. Seed.
- PI 568045 donor id: 2083. origin: China. cultivar: BAI RI HONG. locality: Jie Xiu. Cultivar. Seed.
- PI 568046 donor id: 2084. origin: China. cultivar: BAI RI HONG. locality: Jie Xiu. Cultivar. Seed.
- PI 568047 donor id: 2090. origin: China. cultivar: SAN SUI JIAO ZI. locality: Ping Ding. Cultivar. Seed.
- PI 568048 donor id: 2093. origin: China. cultivar: ZU GAN QING. locality: Gao Ping. Cultivar. Seed.
- PI 568049 donor id: 2094. origin: China. cultivar: ZU GAN QING. locality: Gao Ping. Cultivar. Seed.
- PI 568050 donor id: 2095. origin: China. cultivar: GUAN DONG HUANG. locality: Yu Ci. Cultivar. Seed.

PI 567953 to 568053-continued

- PI 568051 **donor id:** 2096. **origin:** China. **cultivar:** GUAN DONG HUANG. **locality:** Yu Ci. Cultivar. Seed.
- PI 568052 **donor id:** 2098. **origin:** China. **cultivar:** GUAN DONG GAO LIANG. **locality:** Qi Xian. Cultivar. Seed.
- PI 568053 **donor id:** 2101. **origin:** China. **cultivar:** GUAN DONG WA GAO LIANG. **locality:** Jie Xiu. Cultivar. Seed.

PI 568054 to 568103. *Medicago ruthenica* (L.) Trautv. FABACEAE

Donated by: Teuber, L.R., University of California, Dept. of Agronomy & Range Management, Davis, California 95616-8515, United States. Received February 03, 1992.

- PI 568054 **origin:** China. **collected:** August 27, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 22. **other id:** W6 9882. **group:** W6. **locality:** Grassland, flat. Sandy loam, few stones, good drainage, pH 7.4. Par. shade, 2 deg. slope, 240 deg. aspect. Near Populus trees and cult. field. Sparse veg. grazed. 20 SE of Hohhot, Grassland Res. Inst. Exp. Sta. **latitude:** 40 deg. 43 min. N. **longitude:** 111 deg. 50 min. E. **elevation:** 282m. **remarks:** Roots demonstrate a characteristic darkening of the stele indicating crown and root rot. Plants most likely quite old. Associated with Setaria sp., Ambrosia sp., Artemisia sp. 20 plants sampled. 2 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568055 **origin:** China. **collected:** August 28, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 30. **other id:** W6 9890. **group:** W6. **locality:** Slightly rolling area on Mongolian Plateau. Clay loam, few stones, good drainage, pH 6.6. Full sun, 5 deg. slope, 330 deg. aspect. Grassland with little grazing. Heavy veg. in man-made swale. 50km S of Xlinhot, Hutan Lan. **latitude:** 43 deg. 28 min. N. **longitude:** 116 deg. 05 min. E. **elevation:** 1264m. **remarks:** Plants very vigorous, perhaps as a response to good fertility, and upright to procumbent. Pods quite large. 80% ground cover. Estimated 2000kg/ha biomass. Associated with Leymus chinensis, Artemisia sp. 100 plants sampled. Perennial. Wild. Seed.

- PI 568056 **origin:** China. **collected:** August 28, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 31. **other id:** W6 9891. **group:** W6. **locality:** Slightly rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.6. Full sun. Grassland with little grazing, heavy vegetation. 40% ground cover. 3000kg/ ha biomass. 50km S of Xlinhot, Hutan Lan. **latitude:** 43 deg. 28 min. N. **longitude:** 116 deg. 05 min. E. **remarks:** Plants vigorous, perhaps as a response to good fertility. Associated with *Leymus chinensis*, *Agropyron cristatum*, *Stipa* sp., *Agrostis* sp., *Bromus* sp. 50 plants sampled. 1 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568057 **origin:** China. **collected:** August 30, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 38. **other id:** W6 9898. **group:** W6. **locality:** Hilly area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.5. Full sun, 40 deg. slope, 25 deg. aspect. Grassland with large, rolling hills. Abundant vegetation. 50% ground cover. 40km SE of Xlinhot. **latitude:** 43 deg. 53 min. N. **longitude:** 116 deg. 20 min. E. **elevation:** 1143m. **remarks:** Plants upright to procumbent, some quite vigorous. Quite a few of the best plants were near bottom of hill in dry gully. Associated with *Artemisia* sp., *Caragana intramongolica*, *Stipa* sp., *M. sativa* ssp. *sativa* and *falcata*. 45 plants sampled. 3 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568058 **origin:** China. **collected:** August 30, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 39. **other id:** W6 9899. **group:** W6. **locality:** Hilly area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.4. Full sun, 45 deg. slope, 60 and 150 deg. aspect. Grassland with large rolling hills, 1/2 way up hill, many in draw. 50% ground cover. 40km SE of Xlinhot. **latitude:** 43 deg. 53 min. N. **longitude:** 116 deg. 20 min. E. **elevation:** 1150m. **remarks:** Plants upright to procumbent, some quite vigorous. Associated with *Stipa* sp., *Achnatherum* sp., *Caragana intramongolica*, *Leymus chinensis*. 50 plants sampled. 100 kg/ha est. biomass. 3 M. ruthenica/m. Perennial. Wild. Seed.

- PI 568059 **origin:** China. **collected:** August 30, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 42. **other id:** W6 9902. **group:** W6. **locality:** Hilly area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun. Grassland with large rolling hills. Bottom of hill, in and near dry creek bed. 70% ground cover. 40km SE of Xlinhot. **latitude:** 43 deg. 53 min. N. **longitude:** 116 deg. 20 min. E. **remarks:** Many plants upright. Plants more vigorous due to better moisture. Associated with *Leymus* sp., *M. sativa* ssp. *sativa* and *falcata*. 100 plants sampled. 4 *M. ruthenica*/m. Perennial. Wild. Seed.
- PI 568060 **origin:** China. **collected:** August 30, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 43. **other id:** W6 9903. **group:** W6. **locality:** Hilly area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.8. Full sun, 2 deg. slope, 255 deg. aspect. Grassland with large rolling hills. Bottom of hill across dry creek. 70% vegetation. 40km SE of Xlinhot. **latitude:** 43 deg. 53 min. N. **longitude:** 116 deg. 20 min. E. **elevation:** 1105m. **remarks:** Many plants quite vigorous. Plants more vigorous due to better moisture. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp., *M. sativa* ssp. *sativa* and *falcata*. 100 plants sampled. 4 *M. ruthenica*/m. Perennial. Wild. Seed.
- PI 568061 **origin:** China. **collected:** August 30, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 45. **other id:** W6 9905. **group:** W6. **locality:** Hilly area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun, 20 deg. slope, 240 deg. aspect. Grassland with large rolling hills. Some grazing. 90% ground cover. Est. 1200kg/ha biomass. 40km SE of Xlinhot. **latitude:** 43 deg. 53 min. N. **longitude:** 116 deg. 20 min. E. **elevation:** 1128m. **remarks:** Plants procumbent to upright. Exposed to wind. Associated with *Agrostis* sp., *Leymus chinensis*, *Agropyron cristatum*, *Potentilla* sp. Few plants sampled. 8 *M. ruthenica*/m. Perennial. Wild. Seed.

- PI 568062 **origin:** China. **collected:** August 30, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 46. **other id:** W6 9906. **group:** W6. **locality:** Hilly area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 7.6. Full sun, 45 deg. slope, 200 deg. aspect. Grassland with large rolling hills. Bank of dry stream, some grazing. 40% ground cover. 40km SE of Xlinhot. **latitude:** 43 deg. 53 min. N. **longitude:** 116 deg. 20 min. E. **elevation:** 1128m. **remarks:** Plants procumbent to upright. Associated with *Agropyron cristatum*, *Iris* sp., *Rubus* sp., *Medicago sativa* ssp. *falcata*. 75 plants sampled. 4 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568063 **origin:** China. **collected:** August 31, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 47. **other id:** W6 9907. **group:** W6. **locality:** Rolling area on Mongolian Plateau. Sandy soil, few stones, good drainage, pH 6.7. Full sun, 0 slope, flat. Grassland with sparsely veg. dunes. Near bldgs. & along research plots. 80% ground cover. Ecological res. 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1150m. **remarks:** Many plants, upright and vigorous. Some irrigation. Associated with *Agropyron cristatum*, *Setaria* sp., *Artemisia* sp., *Ambrosia* sp., *Medicago sativa* ssp. *sativa* and *falcata*. 50 plants sampled. 1 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568064 **origin:** China. **collected:** August 31, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 50. **other id:** W6 9910. **group:** W6. **locality:** Rolling area on Mongolian Plateau. Sand, few stones, good drainage, pH 6.4. Full sun, 40 deg. slope, valley. Grassland with large dunes. Very dry sandy area along valley between dunes. 35% ground cover. Ecological res. 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1175m. **remarks:** Few plants, procumbent. Associated with *Agropyron cristatum*, *Leymus chinensis*, *Stipa* sp., *Ambrosia* sp. 25 plants sampled. Collection area approx. 10 ha. Some low shrubs. .25 M. ruthenica/m. Perennial. Wild. Seed.

- PI 568065 **origin:** China. **collected:** August 31, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 51. **other id:** W6 9911. **group:** W6. **locality:** Rolling area on Mongolian Plateau. Sand, few stones, good drainage. Full sun, 20 deg. slope, 105 deg. aspect. Grassland with large dunes. Very dry sandy area, top & sides of dunes. 15% ground cover. Ecological res. 75km SE Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1175m. **remarks:** Plants upright to procumbent, some vigorous. Associated with *Astragalus adsurgens*, *Stipa* sp., Unidentified shrubs. 50 plants sampled. *M. ruthenica* appeared to be the dominant species. 5 *M. ruthenica*/m. Perennial. Wild. Seed.
- PI 568066 **origin:** China. **collected:** September 01, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 54. **other id:** W6 9914. **group:** W6. **locality:** Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.6. Full sun, 20 deg. slope, 40 deg. aspect. 10km S of headquarters. Lush grassland, fenced. 80% ground cover. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1150m. **remarks:** Quite a few plants vigorous and upright. Foliage dark green and healthy except for minor rust damage. Associated with *Stipa* sp., *Allium* sp., *Artemisia* sp. 100 plants sampled. Estimated 1800 kg/ha biomass. .5 *M. ruthenica*/m. Perennial. Wild. Seed.
- PI 568067 **origin:** China. **collected:** September 01, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 56. **other id:** W6 9916. **group:** W6. **locality:** Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.5. Full sun, 30 deg. slope, 80 deg. aspect. 10km S of headquarters. Lush grassland some grazing. 50% ground cover. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1120m. **remarks:** Plants dark green, semi-erect. Associated with *Stipa* sp., *Allium* sp., *Artemisia* sp. 40 plants sampled. Estimated 800 kl/ha biomass. .2 *M. ruthenica*/m. Perennial. Wild. Seed.

- PI 568068 **origin:** China. **collected:** September 01, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 57. **other id:** W6 9917. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage. Full sun, 20 deg. slope, 240 deg. aspect. 10km S of headquarters. Grassland, some grazing. 45% ground cover. Ecological reserve 75km S of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1120m. **remarks:** Some plants upright. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp., *Potentilla* sp., *Leymus chinensis*. 40 plants sampled. Badly disturbed land. .2 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568069 **origin:** China. **collected:** September 01, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 60. **other id:** W6 9920. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.7. Full sun, 10 deg. slope, 330 to 370 deg. aspect. 10km S of headquarters. Heavy grass. 70% ground cover. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1142m. **remarks:** At bottom of large hill. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp. .2 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568070 **origin:** China. **collected:** September 02, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 62. **other id:** W6 9922. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, many stones, good drainage, pH 6.8. Full sun, 0 slope, level. 20km SW of headquarters, fenced grassland, minor grazing. 70% ground cover. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1028m. **remarks:** Many plants upright and vigorous. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp., *Leymus chinensis*. Abundant vegetation including *M. ruthenica*. Some pumice present. Hay harvested 1x/yr. Estimated 1500 kg/ha biomass. 70 plants sampled. 3 M. ruthenica/m. Perennial. Wild. Seed.

- PI 568071 **origin:** China. **collected:** September 02, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 63. **other id:** W6 9923. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 7.1. Full sun, 0 slope, level. 20km SW of headquarters, fenced grassland, minor grazing. 70% ground cover. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1028m. **remarks:** Many plants upright and vigorous. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp., *Leymus chinensis*. Abundant vegetation including *M. ruthenica*. Some pumice present. Estimated 1500 kg/ha biomass. 75 plants sampled. 3 *M. ruthenica*/m. Perennial. Wild. Seed.
- PI 568072 **origin:** China. **collected:** September 02, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 64. **other id:** W6 9924. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.9. Full sun, 0 slope, level. 20km SW of headquarters, fenced grassland, minor grazing. 70% ground cover. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1028m. **remarks:** Many plants upright and vigorous. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp., *Leymus chinensis*. Abundant vegetation including *M. ruthenica*. Some pumice present. 100 plants sampled. 3 *M. ruthenica*/m. Perennial. Wild. Seed.
- PI 568073 **origin:** China. **collected:** September 02, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 65. **other id:** W6 9925. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 7.2. Full sun, 0 slope, level. 20km SW of headquarters, grassland, grazed. 50% ground cover. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1028m. **remarks:** Plants upright, some vigorous. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp., *Leymus chinensis*, *Ambrosia* sp., *Allium* sp. Some pumice present. 1000 kg/ha biomass. 75 plants sampled. .2 *M. ruthenica*/n. Perennial. Wild. Seed.

- PI 568074 **origin:** China. **collected:** September 02, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 67. **other id:** W6 9927. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.9. Full sun, 15 deg. slope, 40 deg. aspect. 20km Sw of headquarters. Grassland, grazed. 50% ground cover. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1096m.
remarks: Some plants quite vigorous and semi-upright; a few found in a swale. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp., *Leymus chinensis*, *Ambrosia* sp., *Allium* sp. Considerable pumice present. At base of valley. Estimated 1000 kg/ha biomass. 100 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568075 **origin:** China. **collected:** September 02, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 68. **other id:** W6 9928. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.7. Full sun, 20 deg. slope, 40 deg. aspect. 20km SW of headquarters. Grassland, grazed. 50% ground cover. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1096m.
remarks: Some plants quite vigorous and semi-upright; a few found in a swale. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp., *Leymus chinensis*, *Ambrosia* sp., *Allium* sp. Considerable pumice present. Marked change to a high number of *Aster* sp. Estimated 1000 kh/ha biomass. 50 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568076 **origin:** China. **collected:** September 02, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 69. **other id:** W6 9929. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.8. Full sun, 30 deg. slope, 55 deg. aspect. 20km SW of headquarters. Grassland, grazed. 50% ground cover. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1096m.
remarks: Some plants quite vigorous and upright. Plants found on both sides within a 2m deep gully. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp., *Leymus chinensis*, *Ambrosia* sp., *Allium* sp. Considerable pumice present. 1000 kg/ha biomass produced. 75 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.

- PI 568077 **origin:** China. **collected:** September 02, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 70. **other id:** W6 9930. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.8. Full sun, 45 deg. slope, 10 and 80 deg. aspect. 20km SW of headquarters. Grassland, grazed. 50% ground cover. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1127m.
remarks: Some plants unusually vigorous and upright, perhaps as a response to better fertility. Near crest of hill. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp., *Leymus chinensis*, *Ambrosia* sp., *Allium* sp. Some pumice present. 75 plants sampled. .2 M. *ruthenica*/m. Perennial. Wild. Seed.
- PI 568078 **origin:** China. **collected:** September 03, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 71. **other id:** W6 9931. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun, 15 deg. slope, 180 deg. aspect. Near Shan Ya forest, 10km NE of headquarters. Mountain meadow, grazed. Ecological res. 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1249m.
remarks: Many plants upright and vigorous. Few trees. 30% ground cover. Associated with *Stipa* sp., *Artemisia* sp., *Agropyron cristatum*, *Hedysarum* sp. Estimated 1500 kg/ha biomass. Few plants sampled. .2 M. *ruthenica*/m. Perennial. Wild. Seed.
- PI 568079 **origin:** China. **collected:** September 03, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 72. **other id:** W6 9932. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun, 20 deg. slope, 270 deg. aspect. Near Shan Ya forest, 10km NE of headquarters. Mountain meadow, grazed. Ecological res. 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1295m.
remarks: Considerable leaf yellowing. Leaves narrow. Plants upright. Scattered trees. 50% ground cover. 300 kg/ha biomass. Associated with *Caragana intramongolica*, *Stipa* sp., *Artemisia* sp., *Agropyron cristatum*. Few plants sampled. .2 M. *ruthenica*/m. Perennial. Wild. Seed.

- PI 568080 **origin:** China. **collected:** September 03, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 74. **other id:** W6 9934. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun, 0-50 deg. slope, west aspect. Near Shan Ya forest, 10km NE of headquarters on ridge. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1341m. **remarks:** Some plants unusually vigorous and producing abundant seed with some pods not dehiscing. Very dry with sparse vegetation, but many poplar (*Populus* sp.) trees scattered around population. Associated with *Polygonum viviparum*, *Stipa* sp., *Agropyron cristatum*, *Caragana intramongolica*. 30 plants sampled. Perennial. Wild. Seed.
- PI 568081 **origin:** China. **collected:** September 04, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 76. **other id:** W6 9936. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.3. Full sun, 5 deg. slope, 170 deg. aspect. Kagu, 10km S of headquarters. Along unpaved road and next to mowed field. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1249m. **remarks:** Abundant pods and seed and vigorous green plants. Abundant vegetation, no trees. 70% ground cover. Ungrazed. Associated with *Artemisia* sp., *Agropyron cristatum*, *Agropyron mongolicum*, *Ambrosia* sp., *Polygonum viviparum*. 100 plants sampled. Perennial. Wild. Seed.
- PI 568082 **origin:** China. **collected:** September 04, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 77. **other id:** W6 9937. **group:** W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun, 10 deg. slope, 170 deg. aspect. Kagu, 10kmS of headquarters. Along roadway, next to mowed field. Ecological reserve 75km SE of Xlinhot. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 15 min. E. **elevation:** 1249m. **remarks:** Pods abundant, mature. Plants vigorous. Some black aphids observed. Abundant vegetation, no trees. 70% ground cover. Associated with *Artemisia* sp., *Agropyron cristatum*, *Agropyron mongolicum*, *Ambrosia* sp., *Polygonum viviparum*. 100 plants sampled. Perennial. Wild. Seed.

- PI 568083 **origin:** China. **collected:** September 05, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 78. **other id:** W6 9938. **group:** W6.
locality: Rolling grassland surrounded by mountains.
Sandy loam, few stones, good drainage, pH 6.7. Full sun,
20 deg. slope, 200 deg. aspect. Abundant vegetation, some
grazing. Gelingole, 55km SE of Xlinhot. **latitude:** 43
deg. 30 min. N. **longitude:** 116 deg. 25 min. E.
elevation: 1028m. **remarks:** Many plants upright with ripe
seeds. Some leaf damage observed. 100 plants sampled.
Perennial. Wild. Seed.
- PI 568084 **origin:** China. **collected:** September 05, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 79. **other id:** W6 9939. **group:** W6.
locality: Rolling grassland surrounded by mountains.
Sandy loam, few stones, good drainage, pH 7.0. Full sun,
0-20 deg. slope, 100 deg. aspect. Near farm road in
slight depression. Abundant veg., some grazing.
Gelingole, 55km SE of Xlinhot. **latitude:** 43 deg. 30 min.
N. **longitude:** 116 deg. 25 min. E. **elevation:** 1028m.
remarks: Many plants upright. Some damaged. Few seeds. 75
plants sampled. Perennial. Wild. Seed.
- PI 568085 **origin:** China. **collected:** September 05, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 80. **other id:** W6 9940. **group:** W6.
locality: Rolling grassland surrounded by mountains.
Sandy loam, few stones, good drainage, pH 7.0. Sandy
loam, 0 slope, flat. Near dirt road to Xlinhot, 30km SE
of Xlinhot. **latitude:** 43 deg. 40 min. N. **longitude:** 116
deg. 25 min. E. **remarks:** Plants upright, abundant seed.
50 plants sampled. Perennial. Wild. Seed.
- PI 568086 **origin:** China. **collected:** September 06, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 81. **other id:** W6 9941. **group:** W6.
locality: Rolling grassland surrounded by mountains.
Sandy soil, few stones, good drainage, pH 7.3. Full sun,
5 deg. slope, 360 deg. aspect. Salt marsh area near small
salt lake. Well vegetated. Yue Jin Su (Xi-XR), 25km W of
Xlinhot. **latitude:** 43 deg. 58 min. N. **longitude:** 115
deg. 55 min. E. **elevation:** 922m. **remarks:** Many plants
vigorous, dark green. Quite a few plants found along
drainage ditch. 40% ground cover. 30 plants sampled.
Perennial. Wild. Seed.

- PI 568087 **origin:** China. **collected:** September 06, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 82. **other id:** W6 9942. **group:** W6.
locality: Rolling grassland surrounded by mountains.
Sandy soil, some stones, good drainage, pH 7.2. Full sun,
50 deg. slope, 360 deg. aspect. Steep bank. Mod. to
sparse vegetation, some pumice outcroppings. Yue Jin Su
(Xi-XR), 25km W of Xlinhot. **latitude:** 43 deg. 58 min. N.
longitude: 115 deg. 55 min. E. **elevation:** 929m.
remarks: Many large plants with tendency toward
procumbency. Many pods/plant and many pods were quite
large. 40% ground cover. Associated with *Achnatherum* sp.,
Artemisia sp. 50 plants sampled. Perennial. Wild.
Seed.
- PI 568088 **origin:** China. **collected:** September 06, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 86. **other id:** W6 9946. **group:** W6.
locality: Rolling grassland surrounded by mountains.
Sandy soil, few stones, good drainage, pH 6.5. Full sun,
30 deg. slope, 265 deg. aspect. Hillside, many large
outcroppings. Moderate vegetation. Bai Da Huag, 45km W of
Xlinhot. **latitude:** 43 deg. 58 min. N. **longitude:** 115
deg. 30 min. E. **elevation:** 1066m. **remarks:** Many plants
upright, vigorous, but most with few seeds. Associated
with *Astragalus* sp. 50 plants sampled. Perennial. Wild.
Seed.
- PI 568089 **origin:** China. **collected:** September 06, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 87. **other id:** W6 9947. **group:** W6.
locality: Rolling grassland surrounded by mountains.
Sandy soil, few stones, good drainage, pH 6.7. Full sun,
0-20 deg., basin to 340 deg. aspect. Flat basin to sloped
area with moderate vegetation. Bai Da Huag, 45km W of
Xlinhot. **latitude:** 43 deg. 58 min. N. **longitude:** 115
deg. 30 min. E. **elevation:** 1082m. **remarks:** Many plants
upright, some with considerable larval feeding. Some
large outcroppings on slope, 30% ground cover. Associated
with *Artemisia* sp., *Stipa* sp., *Agropyron cristatum*. 75
plants sampled. .2 M. ruthenica/m. Perennial. Wild.
Seed.

- PI 568090 **origin:** China. **collected:** September 06, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 88. **other id:** W6 9948. **group:** W6.
locality: Rolling grassland surrounded by mountains. Sand soil, some stones, good drainage, pH 7.0. Full sun, 15 deg. slope, 240 deg. aspect. Sand dune area with sparse vegetation. 10% ground cover. Rt. 307, 37km S of Xilinhot. **latitude:** 43 deg. 40 min. N. **longitude:** 116 deg. 20 min. E. **elevation:** 1127m. **remarks:** Plants vigorous with many seeds. Estimated 300 kg/ha biomass. *M. ruthenica* dominant species. Associated with *Artemisia* sp. 20 plants sampled. Perennial. Wild. Seed.
- PI 568091 **origin:** China. **collected:** September 07, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 89. **other id:** W6 9949. **group:** W6.
locality: Rolling grassland surrounded by mountains. Sand soil, some stones, good drainage, pH 6.8. Full sun, 0 slope, draw. Sand dune with sparse vegetation. 30% ground cover. Rt. 307, 37km S of Xilinhot. **latitude:** 43 deg. 40 min. N. **longitude:** 116 deg. 20 min. E. **elevation:** 1127m. **remarks:** Plants quite vigorous with many pods. Associated with *Hedysarum* sp., *Stipa* sp., *Agropyron cristatum*. Estimated 600 kg/ha biomass. 20 plants sampled. .5 *M. ruthenica*/m. Perennial. Wild. Seed.
- PI 568092 **origin:** China. **collected:** September 07, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 90. **other id:** W6 9950. **group:** W6.
locality: Rolling grassland surrounded by mountains. Sand soil, some stones, good drainage, pH 6.6. Full sun, 15 deg. slope, N face of draw, across highway (300m). Sand dune with sparse vegetation. Rt. 307, 37km S of Xilinhot. **latitude:** 43 deg. 40 min. N. **longitude:** 116 deg. 20 min. E. **elevation:** 1127m. **remarks:** Plants quite vigorous with moderate seed production. 30% ground cover. Associated with *Stipa* sp., *Agropyron cristatum*, *Artemisia* sp., *Medicago sativa* ssp. *sativa*. Estimated 600 kg/ha biomass. 25 plants sampled. .2 *M. ruthenica*/m. Perennial. Wild. Seed.

- PI 568093 **origin:** China. **collected:** September 07, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 91. **other id:** W6 9951. **group:** W6.
locality: Rolling grassland surrounded by mountains. Sand soil, some stones, good drainage, pH 6.6. Full sun, 0-50 deg. slope, Bottom and N face of 9m sand dune. Moderate vegetation. Near farm road, Rt. 307, 36km S of Xilinhote. **latitude:** 43 deg. 40 min. N. **longitude:** 116 deg. 20 min. E. **elevation:** 1127m. **remarks:** Plants quite vigorous, healthy but procumbent. 40% ground cover. Associated with *Artemisia* sp., *Polygonum viviparum*, *Medicago sativa* ssp. *sativa*, *Stipa* sp., *Hedysarum* sp., *Agropyron cristatum*, *Prunus* sp. Estimated 1200 kg/ha biomass. 50 plants sampled. .25 M. *ruthenica*/m. Perennial. Wild. Seed.
- PI 568094 **origin:** China. **collected:** September 07, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 92. **other id:** W6 9952. **group:** W6.
locality: Rolling grassland surrounded by mountains. Sand soil, some stones, good drainage, pH 6.7. Full sun. Top and sides of sandy depression. Sparse vegetation. 40% ground cover. Rt. 307, 36km S of Xilinhote. **latitude:** 43 deg. 40 min. N. **longitude:** 116 deg. 20 min. E. **elevation:** 1127m. **remarks:** Plants vigorous, some upright. Minimum seed shattering. Associated with *Artemisia* sp., *Polygonum viviparum*, *Medicago sativa* subsp. *sativa*, *Hedysarum* sp., *Agropyron cristatum*, *Caragana intramongolica*. 50 plants sampled. .2 M. *ruthenica*/m. Perennial. Wild. Seed.
- PI 568095 **origin:** China. **collected:** September 07, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 93. **other id:** W6 9953. **group:** W6.
locality: Rolling grassland surrounded by mountains. Sand soil, some stones, good drainage, pH 6.8. Full sun, 360 deg. aspect. Next to Rt. 307 on right, sparse vegetation. 35% ground cover. Rt. 307, 36km S of Xilinhote. **latitude:** 43 deg. 40 min. N. **longitude:** 116 deg. 20 min. E. **elevation:** 1158m. **remarks:** Many plants procumbent, some vigorous. Associated with *Leymus chinensis*, *Artemisia* sp., *Hedysarum* sp., *Potentilla* sp., *Prunus* sp., *Agropyron cristatum*, *Caragana intramongolica*. Estimated 300 kg/ha biomass. 100 plants sampled. 1 M. *ruthenica*/m. Perennial. Wild. Seed.

- PI 568096 **origin:** China. **collected:** September 12, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 94. **other id:** W6 9954. **group:** W6.
locality: Mountain slope. Sandy loam, many stones, good drainage. Full sun, 30 deg. slope. Next to main road through mountains on military preserve. Da Qi Mountains, 24km N of Hohhot. **latitude:** 41 deg. 00 min. N. **longitude:** 111 deg. 30 min. E. **remarks:** Plants upright with abundant seed. Considerable erosion. Sparse vegetation. 50% ground cover. Estimated 400 kg/ha biomass. Associated with *Agropyron cristatum*, *Agropyron mongolicum*, *Caragana intramongolica*. 1 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568097 **origin:** China. **collected:** September 12, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 95. **other id:** W6 9955. **group:** W6.
locality: Rolling plateau. Sandy loam, few stones, good drainage, pH Full sun, 5 deg. slope, 50 deg. bottom aspect. Just SE of apicultural area, sparse vegetation, grazed farmland. Inhabited area near main road. Toliget, 68km N of Hohhot. **latitude:** 41 deg. 50 min. N. **longitude:** 111 deg. 25 min. E. **elevation:** 1500m. **remarks:** Plants procumbent, apparently healthy. 40% ground cover. Associated with *Artemisia* sp., *Leymus chinensis*, *Ambrosia* sp., *Avena sativa*., *Triticum aestivum*. 50 plants sampled. 1 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568098 **origin:** China. **collected:** September 12, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 97. **other id:** W6 9957. **group:** W6.
locality: Rolling plateau. Sandy soil, few stones, good drainage, pH 7.0. Full sun. Rim of marsh, 2km NW of main road. Moderate vegetation. Heavy grazing. Zouhe, 78km N of Hohhot. **latitude:** 41 deg. 53 min. N. **longitude:** 111 deg. 25 min. E. **remarks:** Plants procumbent. Pods open but most seeds green. 25% ground cover. Associated with *Agropyron cristatum*, *Agropyron mongolicum*, *Stipa* sp., *Potentilla* sp., *Artemisia* sp. 75 plants sampled. .5 M. ruthenica/m. Perennial. Wild. Seed.

PI 568054 to 568103-continued

- PI 568099 **origin:** China. **collected:** September 12, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 98. **other id:** W6 9958. **group:** W6.
locality: Rolling plateau. Sandy soil, few stones, good drainage, pH 7.0. Full sun. Strip with considerably less vegetation than surrounding area, 2.2km NW of main road. Heavily grazed. Zouhe, 78km N of Hohhot. **latitude:** 41 deg. 53 min. N. **longitude:** 111 deg. 25 min. E. **remarks:** Plants procumbent, some vigorous. 25% ground cover. Associated with *Agropyron cristatum*, *Agropyron mongolicum*, *Stipa* sp., *Potentilla* sp., *Artemisia* sp. 75 plants sampled. .5 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568100 **origin:** China. **collected:** September 13, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 100. **other id:** W6 9960. **group:** W6.
locality: Rolling plateau. Sandy loam, many stones, good drainage, pH 7.1. Full sun. Flat area near main road, moderate vegetation grazed. Most plants found in dry flood plain. SW of Four Group of Zouhe Temple (5km), 78km N of Hohhot. **latitude:** 41 deg. 53 min. N. **longitude:** 111 deg. 25 min. E. **elevation:** 1432m. **remarks:** Plants vigorous with abundant seed, procumbent. Some black aphid noted. 30% ground cover. Associated with *Achnatherum* sp., *Agropyron cristatum*, *Agropyron mongolicum*, *Stipa* sp., *Potentilla* sp., *Artemisia* sp. 200 kg/ha biomass. .2 M. ruthenica/m. Perennial. Wild. Seed.
- PI 568101 **origin:** China. **collected:** September 13, 1991.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 101. **other id:** W6 9961. **group:** W6.
locality: Rolling plateau. Sandy loam, few stones, good drainage, pH 7.3. Full sun. Sparsely vegetated area near marsh. Some tall grass, grazed. Zouhe, 78km N of Hohhot. **latitude:** 41 deg. 53 min. N. **longitude:** 111 deg. 25 min. E. **elevation:** 1462m. **remarks:** Plants procumbent. 30% ground cover. Associated with *Achnatherum* sp., *Agropyron cristatum*, *Agropyron mongolicum*, *Stipa* sp., *Potentilla* sp., *Artemisia* sp. 100 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.

PI 568054 to 568103-continued

PI 568102 **origin:** China. **collected:** September 14, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 104. **other id:** W6 9964. **group:** W6. **locality:** Fairly flat inter-mountain area. Sandy loam, few stones, good drainage, pH 7.2. Full sun, flat. Farm land. Moderate vegetation. May have high salt content. Che Yan Sunn, 22km W of Hohhot and 6km S of Hu Bao. **latitude:** 40 deg. 40 min. N. **longitude:** 111 deg. 15 min. E. **elevation:** 868m. **remarks:** Collection area very small. Plants procumbent, a few more vigorous. 30% ground cover. Associated with *Setaria* sp., *Artemisia* sp., Unidentified forbs. 10 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.

PI 568103 **origin:** China. **collected:** September 14, 1991. **collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey. **collector id:** CTM 105. **other id:** W6 9965. **group:** W6. **locality:** Fairly flat inter-mountain area. Sandy loam, few stones, good drainage, pH 7.1. Full sun, flat. Farm land. Moderate vegetation. May have high salt content. Che Yan Sunn, 22km W of Hohhot and 6km S of Hu Bao. **latitude:** 40 deg. 40 min. N. **longitude:** 111 deg. 15 min. E. **elevation:** 868m. **remarks:** Some plants upright and vigorous. Seed very mature. 30% ground cover. Associated with *Setaria* sp., *Artemisia* sp., Unidentified forbs. 75 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.

PI 568104 to 568117. *Secale cereale* L. subsp. *cereale* POACEAE Rye

Donated by: Metzger, Robert J., USDA-ARS, Oregon State University, Corvallis, Oregon 97331, United States. **remarks:** Seed was increased at the Botanical Garden of the Polish Academy of Sciences under USDA-OICD Project No. PL-ARS-140B. Received May 06, 1993.

PI 568104 **origin:** Turkey. **collected:** 1979. **collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS. **collector id:** 79TK002-12. **locality:** 1 km east of Kaman. **elevation:** 1020m. Cultivated. Seed.

PI 568105 **origin:** Turkey. **collected:** 1979. **collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS. **collector id:** 79TK008-43. **locality:** 34km southeast of Bunyan. **elevation:** 1430m. Cultivated. Seed.

PI 568104 to 568117-continued

- PI 568106 **origin:** Turkey. **collected:** 1979. **collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS. **collector id:** 79TK008-43a. **locality:** 34km southeast of Bunyan. **elevation:** 1430m. Cultivated. Seed.
- PI 568107 **origin:** Turkey. **collected:** 1979. **collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS. **collector id:** 79TK012-59. **locality:** 5km south of Darende. **elevation:** 1030m. Cultivated. Seed.
- PI 568108 **origin:** Turkey. **collected:** 1979. **collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS. **collector id:** 79TK029-149. **locality:** 13km southeast of Tatvan. **elevation:** 1780m. Cultivated. Seed.
- PI 568109 **origin:** Turkey. **collected:** 1979. **collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS. **collector id:** 79TK029-155. **locality:** 13km southwest of Tatvan. **elevation:** 1780m. Cultivated. Seed.
- PI 568110 **origin:** Turkey. **collected:** 1979. **collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS. **collector id:** 79TK034-102. **locality:** 1 km north of Ahlat. **elevation:** 1380m. Cultivated. Seed.
- PI 568111 **origin:** Turkey. **collected:** 1979. **collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS. **collector id:** 79TK076-409. **locality:** 17km east of Erois. **elevation:** 1680m. Cultivated. Seed.
- PI 568112 **origin:** Turkey. **collected:** 1979. **collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS. **collector id:** 79TK076-410. **locality:** 17km east of Erois. **elevation:** 1680m. Cultivated. Seed.
- PI 568113 **origin:** Turkey. **collected:** 1979. **collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS. **collector id:** 79TK079-415. **locality:** Patnos. **elevation:** 1690m. Cultivated. Seed.

PI 568104 to 568117-continued

- PI 568114 **origin:** Turkey. **collected:** 1984. **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS. **collector id:** 84TK580-001.4. **locality:** 35km west of Adilcevaz. **elevation:** 1700m. Cultivated. Seed.
- PI 568115 **origin:** Turkey. **collected:** 1984. **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS. **collector id:** 84TK589-003.6. **locality:** Grazed area east side of Nemrut Lake. **elevation:** 2750m. Cultivated. Seed.
- PI 568116 **origin:** Turkey. **collected:** 1984. **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS. **collector id:** 84TK597-003.15. **locality:** 19km northeast of Caldiran. **elevation:** 2175m. Cultivated. Seed.
- PI 568117 **origin:** Turkey. **collected:** 1984. **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS. **collector id:** 84TK597-003.2. **locality:** 19km northeast of Caldiran. **elevation:** 2175m. Cultivated. Seed.

PI 568118 to 568123. *Secale* sp. POACEAE Rye

Donated by: Metzger, Robert J., USDA-ARS, Oregon State University, Corvallis, Oregon 97331, United States. **remarks:** Seed was increased at the Botanical Garden of the Polish Academy of Sciences under USDA-OICD Project No. PL-ARS-140B. Received May 06, 1993.

- PI 568118 **origin:** Turkey. **collected:** 1984. **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri. **collector id:** 84TK259. **locality:** 15km south of Sogut. **elevation:** 750m. Cultivated. Seed.
- PI 568119 **origin:** Turkey. **collected:** 1984. **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS. **collector id:** 84TK497-001. **locality:** 39km east of Van; 23km west of Ozalp; 20km west of Iran. **elevation:** 1875m. Cultivated. Seed.
- PI 568120 **origin:** Turkey. **collected:** 1984. **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS. **collector id:** 84TK578-004. **locality:** 25km west of Adilcevaz. **elevation:** 1700m. Cultivated. Seed.

PI 568118 to 568123-continued

- PI 568121 **origin:** Turkey. **collected:** 1984. **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS. **collector id:** 84TK579-005.2. **locality:** 25km west of Adilcevaz. **elevation:** 1725m. Cultivated. Seed.
- PI 568122 **origin:** Turkey. **collected:** 1984. **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS. **collector id:** 84TK609-001.2. **locality:** 47km south of Erzurum toward Cat. **elevation:** 2240m. Cultivated. Seed.
- PI 568123 **origin:** Turkey. **collected:** 1984. **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS. **collector id:** 84TK427-002. **locality:** 27km east of Pinarbasi. **elevation:** 1725m. Cultivated. Seed.

PI 568124. *Amaranthus cannabinus* (L.) J. Sauer AMARANTHACEAE

Donated by: Brenner, Paul, c/o E.H. Brenner, 3325 R Street, N.W., Washington, District of Columbia 20007, United States. Received September 28, 1990.

origin: United States. **collected:** September 22, 1990. **collector:** Paul Brenner. **other id:** Ames 14359. **source:** NC-7. **group:** Ames. **locality:** Plants found growing in mud. Collected where George Washington Memorial Parkway crosses a tidal estuary of Potomac River, combined w/ a collection from Potomac River bank 2km N. Belle View, Fairfax County. **latitude:** 38 deg. 47 min. N. **longitude:** 077 deg. 03 min. W. **remarks:** The leaf blades were two inches long. Outcrossing dioecious species. Wild. Seed.

PI 568125 to 568131. *Amaranthus hypochondriacus* L. AMARANTHACEAE

Donated by: Brenner, David, Plant Introduction Station, Iowa State University, Ames, Iowa 50011, United States. **remarks:** Male sterile accessions are useful to plant breeders as female parents for making controlled crosses between plants. Because the pollen is sterile, they can't self pollinate, and therefore develop only hybrid seeds. These are selected from parents adapted for agriculture in the northern U.S. Received December 18, 1992.

PI 568125 to 568131-continued

- PI 568125 **donor id:** DB 921. **origin:** United States. **developed:** D.M. Brenner. **origin institute:** Plant Introduction Station, Iowa United States. **pedigree:** From a single plant selected for male sterility and open pollinated in the field in 1992. This white seeded plant was from a rare black seed in a K343 (PI 538322) seed lot. **other id:** Ames 20090. **source:** NC-7. **group:** Ames. **remarks:** This accession segregates for male sterile plants and variable seed colors. Annual. Breeding Material. Seed.
- PI 568126 **donor id:** DB 922. **origin:** United States. **developed:** D.M. Brenner. **origin institute:** Plant Introduction Station, Iowa United States. **pedigree:** From four plants selected for male sterility and open pollinated in the field in 1992. These dark brown seeded plants are from rare black seeds in a K343 (PI 538322) seed lot. **other id:** Ames 20091. **source:** NC-7. **group:** Ames. **remarks:** This accession segregates for male sterile plants with dark brown seeds. Annual. Breeding Material. Seed.
- PI 568127 **donor id:** DB 923. **origin:** United States. **developed:** D.M. Brenner. **origin institute:** Plant Introduction Station, Iowa United States. **pedigree:** From two plants selected for male sterility and open pollinated in the field in 1992. Both brown seeded plants were from rare black seeds in a K343 (PI 538322) seed lot. **other id:** Ames 20092. **source:** NC-7. **group:** Ames. **remarks:** This accession segregates for male sterile plants and variable seed colors. Annual. Breeding Material. Seed.
- PI 568128 **donor id:** DB 924. **origin:** United States. **developed:** D.M. Brenner. **origin institute:** Plant Introduction Station, Iowa United States. **pedigree:** From a single plant selected for male sterility and open pollinated in the field in 1992. This white seeded plant was from a translucent white seed in a 'PLAINSMAN' (PI 558499) seed lot. **other id:** Ames 20093. **source:** NC-7. **group:** Ames. **remarks:** This accession segregates for male sterile plants with white, yellow, or brown seeds. Annual. Breeding Material. Seed.
- PI 568129 **donor id:** DB 925. **origin:** United States. **developed:** D.M. Brenner. **origin institute:** Plant Introduction Station, Iowa United States. **pedigree:** From a single plant selected for male sterility and open pollinated in the field in 1992. This white seeded plant was from a rare black seed in a K343 (PI 538322) seed lot. **other id:** Ames 20094. **source:** NC-7. **group:** Ames. **remarks:** This accession segregates for male sterile plants with white, yellow, or brown seeds. Annual. Breeding Material. Seed.

PI 568125 to 568131-continued

PI 568130 **donor id:** DB 926. **origin:** United States. **developed:** D.M. Brenner. **origin institute:** Plant Introduction Station, Iowa United States. **pedigree:** From a single plant selected for male sterility and open pollinated in the field in 1992. This white seeded plant was from a rare black seed in a K343 (PI 538322) seed lot. **other id:** Ames 20095. **source:** NC-7. **group:** Ames. **remarks:** This accession segregates for male sterile plants and variable seed colors. Annual. Breeding Material. Seed.

PI 568131 **donor id:** DB 927. **origin:** United States. **developed:** D.M. Brenner. **origin institute:** Plant Introduction Station, Iowa United States. **pedigree:** From a single plant selected for male sterility and open pollinated in the field in 1992. This yellow seeded plant and green inflorescence plant was from a rare brown seed in a 'PLAINSMAN' (PI 558499) seed lot. **other id:** Ames 20096. **source:** NC-7. **group:** Ames. **remarks:** This accession segregates for male sterile plants and variable seed colors. Annual. Breeding Material. Seed.

PI 568132 to 568153. *Amaranthus caudatus* L. AMARANTHACEAE

Donated by: Reider, Carolyn, Rodale Research Center, Box 323, Rd. 1, Kutztown, Pennsylvania 19530, United States. **remarks:** Rodale received seed but never incorporated it into their system. Received June 07, 1990.

PI 568132 **donor id:** PR-C 01-0001. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13864. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 27 min. S. **longitude:** 064 deg. 41 min. W. **elevation:** 2095m. **remarks:** The inflorescence is green. Cultivated. Seed.

- PI 568133 **donor id:** PR-C 01-0002. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13865. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 27 min. S. **longitude:** 064 deg. 41 min. W. **elevation:** 2095m. **remarks:** Some of the stems have brown speckles. The inflorescence is green or pink. Cultivated. Seed.
- PI 568134 **donor id:** PR-C 01-0003. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13866. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 27 min. S. **longitude:** 064 deg. 41 min. W. **elevation:** 2095m. **remarks:** Some of the stems have brown speckles. The inflorescence is green or rufescent. Cultivated. Seed.
- PI 568135 **donor id:** PR-C 01-0004. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13867. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 27 min. S. **longitude:** 064 deg. 41 min. W. **elevation:** 2095m. **remarks:** Some of the stems have brown speckles. The inflorescence is green or rufescent. Cultivated. Seed.
- PI 568136 **donor id:** PR-C 01-0005. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13868. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 25 min. S. **longitude:** 064 deg. 42 min. W. **elevation:** 2096m. **remarks:** The inflorescence is rufescent or green. Cultivated. Seed.

- PI 568137 **donor id:** PR-C 01-0006. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** cuime. **other id:** Ames 13869. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 24 min. S. **longitude:** 064 deg. 48 min. W. **elevation:** 2110m. **remarks:** The inflorescence is purple. Cultivated. Seed.
- PI 568138 **donor id:** PR-C 01-0007. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** cuime. **other id:** Ames 13870. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 24 min. S. **longitude:** 064 deg. 78 min. W. **elevation:** 2110m. **remarks:** The inflorescence is green or purple. Cultivated. Seed.
- PI 568139 **donor id:** PR-C 01-0008. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13871. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 24 min. S. **longitude:** 064 deg. 45 min. W. **elevation:** 2035m. **remarks:** Some of the stems have brown speckles. The inflorescence is rufescent. Cultivated. Seed.
- PI 568140 **donor id:** PR-C 01-0009. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13872. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 24 min. S. **longitude:** 064 deg. 39 min. W. **elevation:** 2114m. **remarks:** The inflorescence is purple or green. Cultivated. Seed.

- PI 568141 **donor id:** PR-C 01-0010. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coimi. **other id:** Ames 13873. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 24 min. S. **longitude:** 064 deg. 45 min. W. **elevation:** 2035m. **remarks:** The inflorescence is green or rufescent. Cultivated. Seed.
- PI 568142 **donor id:** PR-C 01-0011. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coimi. **other id:** Ames 13874. **source:** NC-7. **group:** Ames. **remarks:** Some the stems have brown speckles. Before seed maturity some upper stems bend at a point below the inflorescence. The inflorescence is green. Cultivated. Seed.
- PI 568143 **donor id:** PR-C 01-0012. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coimi. **other id:** Ames 13875. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 50 min. S. **longitude:** 064 deg. 40 min. W. **elevation:** 2050m. **remarks:** The inflorescence is pink. Eight of 65 plants had red upper stems resembling *Amaranthus quitensis* in 1990 when this was grown in Ames, Iowa. Cultivated. Seed.
- PI 568144 **donor id:** PR-C 01-0013. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13876. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 37 min. S. **longitude:** 064 deg. 39 min. W. **elevation:** 1750m. **remarks:** The inflorescence is green. Cultivated. Seed.

- PI 568145 **donor id:** PR-C 01-0014. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13877. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 23 min. S. **longitude:** 064 deg. 42 min. W. **elevation:** 2080m. **remarks:** The inflorescence is green or rufescent. Cultivated. Seed.
- PI 568146 **donor id:** PR-C 01-0015. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13878. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 23 min. S. **longitude:** 064 deg. 42 min. W. **elevation:** 2080m. **remarks:** Some of the stems have brown speckles. The inflorescence is purple. Cultivated. Seed.
- PI 568147 **donor id:** PR-C 01-0016. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13879. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 23 min. S. **longitude:** 064 deg. 42 min. W. **elevation:** 2080m. **remarks:** The inflorescence is green. Cultivated. Seed.
- PI 568148 **donor id:** PR-C 01-0017. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13880. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 31 min. S. **longitude:** 064 deg. 43 min. W. **elevation:** 1890m. **remarks:** The inflorescence is green or rufescent. Cultivated. Seed.

- PI 568149 **donor id:** PR-C 01-0019. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13882. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 31 min. S. **longitude:** 064 deg. 43 min. W. **elevation:** 1890m. **remarks:** The inflorescence is pink. Cultivated. Seed.
- PI 568150 **donor id:** PR-C 01-0020. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13883. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 31 min. S. **longitude:** 064 deg. 43 min. W. **elevation:** 1890m. **remarks:** Some of the stems have brown speckles. The inflorescence is pink. Cultivated. Seed.
- PI 568151 **donor id:** PR-C 01-0021. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13884. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 31 min. S. **longitude:** 064 deg. 43 min. W. **elevation:** 1890m. **remarks:** The inflorescence is pink. Cultivated. Seed.
- PI 568152 **donor id:** PR-C 01-0022. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13885. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 31 min. S. **longitude:** 064 deg. 43 min. W. **elevation:** 1890m. **remarks:** The seeds have an unusual yellow-brown color. The inflorescence is green. Cultivated. Seed.

PI 568132 to 568153-continued

PI 568153 **donor id:** PR-C 01-0023. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** coime. **other id:** Ames 13886. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 31 min. S. **longitude:** 064 deg. 43 min. W. **elevation:** 1890m. **remarks:** The inflorescence is green. Cultivated. Seed.

PI 568154. *Amaranthus quitensis* Kunth AMARANTHACEAE

Donated by: Reider, Carolyn, Rodale Research Center, Box 323, Rd. 1, Kutztown, Pennsylvania 19530, United States. **remarks:** Rodale received seed but never incorporated it into their system. Received June 07, 1990.

donor id: PR-C 01-0018. **origin:** Bolivia. **developed:** Fernando Guillen Portal. **origin institute:** Universidad Boliviana Juan Misael Sarach, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia. **source history:** Rodale Research Center PA., received seed from Fernando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.. **local name:** aroma. **other id:** Ames 13881. **source:** NC-7. **group:** Ames. **latitude:** 21 deg. 31 min. S. **longitude:** 064 deg. 43 min. W. **elevation:** 1890m. **remarks:** The seedling stems have intense red coloring. The inflorescence is dark purple. **received as:** *Amaranthus* spp.. Wild. Seed.

PI 568155 to 568156. *Chenopodium berlandieri* ssp. *nuttalliae* (Safford) H.D.Wilson & Heiser CHENOPODIACEAE

Donated by: Williams, D.E., Agricultural Research Service -- USDA, National Germplasm Resources Lab, Bldg. 003 - 4th Floor, Beltsville, Maryland 20705-2350, United States. Received December 29, 1992.

PI 568155 **donor id:** DEW & SSD 1215. **origin:** Mexico. **local name:** huautzontle. **collected:** November 06, 1992. **collector:** D.E. Williams, S. Sanchez-Dominguez. **collector id:** 1215. **other id:** Ames 20099. **source:** NC-7. **group:** Ames. **other id:** 1215. **other id:** Ames 20099. **source:** NC-7. **group:** Ames. **locality:** Cacaloxuchil, Mpio. Huaquechula, Edo. de Puebla. **latitude:** 18 deg. 45 min. N. **longitude:** 098 deg. 30 min. W. **elevation:** 1680m. **remarks:** Herb, 1m tall. Cultivated for the tender inflorescences which are eaten as a vegetable, similar to broccoli. Seeds dark red. Landrace. Seed.

PI 568155 to 568156-continued

PI 568156 **donor id:** DEW & SSD 1241. **origin:** Mexico. **local name:** huautzontle. **collected:** November 18, 1992. **collector:** D.E. Williams, S. Sanchez-Dominguez. **collector id:** 1241. **other id:** Ames 20100. **source:** NC-7. **group:** Ames. **other id:** 1241. **other id:** Ames 20100. **source:** NC-7. **group:** Ames. **locality:** Orchard garden, Santiago Acutzilapan, Mpio. Atlacomulco, Edo. de Mexico. **latitude:** 19 deg. 47 min. N. **longitude:** 099 deg. 41 min. W. **elevation:** 2700m. **remarks:** Herb, 2m tall. Seeds black. Cultivated as vegetable. Landrace. Seed.

PI 568157. *Medicago sativa* L. FABACEAE Alfalfa

Donated by: Sorensen, E.L., Agricultural Research Service -- USDA, Kansas State University, Manhattan, Kansas 66500, United States; and Kansas Agr. Exp. Sta.. **remarks:** KS 223 Alfalfa Germplasm. Received May 13, 1993.

* *Medicago sativa* L. subsp. *sativa* FABACEAE Alfalfa
origin: United States. **developed:** E.L. Sorensen, D.L. Stuteville, E.K. Horber, D.Z. Skinner. **origin institute:** Agricultural Research Service -- USDA, Kansas State University, Dept. of Agronomy, Throckmorton Hall, Manhattan, Kansas 66506-5501 United States. **cultivar:** KS223. **pedigree:** Derived from cvs: Elga, Hilde, Warrotte, DuPuits, Socheville, Alfa, Cherokee, Vernal, and to MSA-W4 and MSBW4 germplasms. **other id:** GP-265. **source:** Crop Sci. 34(1):312 1994. **group:** CSR-ALFALFA. **other id:** W6 11579. **group:** W6. **restricted:** CSR. **remarks:** Resistance to anthracnose (caused by *Colletotrichum trifolii*, Race 1); bacterial wilt (caused by *Clavibacter michiganense* subsp. *insidiosum*), downy mildew (caused by *Peronospora trifoliorum*); fusarium wilt (caused by *Fusarium oxysporum* sp. *medicaginis*); blue alfalfa aphid (*Acyrtosiphon kondoi*); pea aphid (*A. pisum*); and the spotted alfalfa aphid (*Therioaphis maculata*). Annual. Breeding Material. Seed.

PI 568158 to 568160. *Zea mays* L. subsp. *mays* POACEAE Corn

Donated by: Compton, W.A., University of Nebraska, Dept. of Agronomy, Lincoln, Nebraska 68583-0915, United States. Received May 13, 1993.

PI 568158 to 568160-continued

- PI 568158 **origin:** United States. **cultivar:** N199. **pedigree:** Selfed from an outcross (and probably a backcross) to MO 44. **remarks:** Slightly taller than B73 but similar and with narrow upright leaves. Excellent root and stalk strength and has good "staygreen" late into the fall. Flowers occur about one day later than MO 17. Cob color red and endosperm yellow. Seed set easier in Nebraska than in MO 44. Yield and standability excellent in crosses with B73. Annual. Cultivar. Seed.
- PI 568159 **origin:** United States. **cultivar:** N200. **pedigree:** Selfed from an outcross (and probably a backcross) to MO 44. **remarks:** Few inches shorter than N199. Flowers about one day later than MO 17. Leaves wider and less upright than N199. Like N199, has excellent root and stalk strength with good "staygreen". Yield and standability excellent in crosses with B73. Annual. Cultivar. Seed.
- PI 568160 **origin:** United States. **cultivar:** N201. **pedigree:** Selfed from N28/B73. **remarks:** Slightly taller than B73 and flowers two to three days later. Like B73, has upright leaves. Good root and stalk strength and good tolerance to drought. Ear rot seems better than N28 but perhaps not as good as B73. Annual. Cultivar. Seed.

PI 568161 to 568162. *Aegilops cylindrica* Host POACEAE

Donated by: Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Bldg. 003, Rm. 402, BARC-West, Beltsville, Maryland 20705, United States. Received May 14, 1992.

- PI 568161 **origin:** Uzbekistan. **collected:** July 06, 1990. **collector:** C.R. Sperling, M. Thompson, D.W. Ramming. **collector id:** USSR90-03-11. **locality:** VIR substation at Hastrakt, about 100km northeast of Tashkent, up the Pskim River. **elevation:** 1200m. **remarks:** Weed in orchard. Wild. Seed.
- PI 568162 **origin:** Uzbekistan. **collected:** July 06, 1990. **collector:** C.R. Sperling, M. Thompson, D.W. Ramming. **collector id:** USSR90-04-06. **locality:** 5km south of VIR substation at Hastrakt, about 95km northeast of Tashkent. **elevation:** 1000m. Wild. Seed.

PI 568163. *Aegilops* sp. POACEAE

Donated by: Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Bldg. 003, Rm. 402, BARC-West, Beltsville, Maryland 20705, United States. Received May 14, 1992.

PI 568163-continued

origin: Uzbekistan. **collected:** July 06, 1990.
collector: C.R. Sperling, M. Thompson, D.W. Ramming.
collector id: USSR90-04-05. **locality:** 5km south of VIR
substation at Hastrakt, about 95km northeast of Tashkent.
elevation: 1000m. Wild. Seed.

PI 568164 to 568178. *Arachis hypogaea* L. FABACEAE Peanut

Donated by: ICRISAT, Patancheru, Andhra Pradesh 502 324, India.
Received May 18, 1993.

- PI 568164 **origin:** India. **cultivar:** ICGV 87354. **pedigree:**
Argentina/PI 259747. **other id:** ICG(FDRS) 47. Cultivar.
Seed.
- PI 568165 **origin:** India. **cultivar:** ICGV 86548. **pedigree:** Robut
33-1-21-11/(Manfredi/M 13). **other id:** ICG(CG)S 10.
Cultivar. Seed.
- PI 568166 **origin:** India. **cultivar:** ICGV 86124. **pedigree:** JL
24/(Dh. 3-20/Robut 33-1)F8. **other id:** ICGS(E) 198.
Cultivar. Seed.
- PI 568167 **origin:** India. **cultivar:** ICGV 86014. **pedigree:** Shantung
KU No. 203/Robut 33-1. **other id:** ICGS(E) 52. Cultivar.
Seed.
- PI 568168 **origin:** India. **cultivar:** ICGV 86522. **pedigree:** Robut
33-1/(M 13/NC Ac 2214). **other id:** ICGPRS 481. Cultivar.
Seed.
- PI 568169 **origin:** India. **cultivar:** ICGV 86024. **pedigree:** Robut
33-1-21/(Manfredi /M 131). **other id:** ICG(CG)S 6.
Cultivar. Seed.
- PI 568170 **origin:** India. **cultivar:** ICGV 87149. **pedigree:** ICGS
14/ICGS 19. **other id:** ICGS 168. Cultivar. Seed.
- PI 568171 **origin:** India. **cultivar:** ICGV 86549. **pedigree:** Robut
33-1/Ah 114. **other id:** ICG(CG)S 11. Cultivar. Seed.
- PI 568172 **origin:** India. **cultivar:** ICGV 86162. **pedigree:**
(Shulamit/Chico)/PI 337409. **other id:** ICGS(E) 236.
Cultivar. Seed.
- PI 568173 **origin:** India. **cultivar:** ICGV 87063. **pedigree:** JL
24/ICG 5728. **other id:** ICGS(E) 301. Cultivar. Seed.
- PI 568174 **origin:** India. **cultivar:** ICGV 87061. **pedigree:** TG
2E/ICG(FDRS) 7. **other id:** ICGS(E) 299. Cultivar. Seed.

PI 568164 to 568178-continued

PI 568175 **origin:** India. **cultivar:** ICGV 86016. **pedigree:** (Var. 2-5/NC Ac 741)/PI 337409. **other id:** ICGS(E) 199. **Cultivar.** Seed.

PI 568176 **origin:** India. **other id:** ICG 7884. **Cultivated.** Seed.

PI 568177 **origin:** India. **pedigree:** J 11. **Cultivated.** Seed.

PI 568178 **origin:** India. **other id:** MGS 2. **Cultivated.** Seed.

PI 568179. *Amaranthus hypochondriacus* L. AMARANTHACEAE

Donated by: Brenner, David, Plant Introduction Station, Iowa State University, Ames, Iowa 50011, United States. **remarks:** Off-type separation from Ames 3078. Ames # assigned March 15, 1990. Received May 21, 1993.

origin: United States. **developed:** David Brenner. **origin institute:** Plant Intro. Station, Iowa State University, Ames, Iowa 50011 United States. **pedigree:** One plant segregated from Ames 3078 (Montana H84-382) in 1989, because of early blooming in long day lengths. Ames 3078 is black and brown seeded; this segregate is white seeded. **other id:** Ames 12991. **source:** NC-7. **group:** Ames. **other id:** Separation from Ames 3078. **group:** AMES.SEPARATIONS. **remarks:** Plants flower 20 days from planting even under long day conditions. Stems have red stripes. Petioles green. Blades green with unusual iridescent abaxial surfaces even at maturity. Flowers red. Seeds white. Annual. Breeding Material. Seed.

PI 568180. *Astragalus hamosus* L. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

donor id: WKT 84. **origin:** Turkey. **collected:** July 10, 1985. **collector:** W.J. Kaiser. **other id:** W6 11454. **group:** W6. **other id:** 100785-03. **locality:** Weedy field near a grape vineyard on rocky calcareous soil, 9km west of Silvan on Silvan-Diyarbakir road, Diyarbakir Province. **elevation:** 800m. **remarks:** Dried pods collected from the ground. Wild. Seed.

PI 568181. *Carthamus tinctorius* L. ASTERACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

donor id: WKT 8. **origin:** Turkey. **collected:** July 01, 1985. **collector:** W.J. Kaiser. **other id:** W6 11400.
group: W6. **other id:** 010785-03. **locality:** Red, rocky soil 23km from Bilecik on road to Halfeti, from an irrigated field, Bilecik Province. **elevation:** 600m.
remarks: Plants approx. 40-50cm tall with reddish or yellow flowers, collected green flower head. Wild. Seed.

PI 568182. *Cynosurus echinatus* L. POACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

donor id: WKT 26. **origin:** Turkey. **collected:** July 24, 1985. **collector:** W.J. Kaiser. **other id:** W6 11401.
group: W6. **other id:** 240785-07. **locality:** Eastern exposure near rock quarry, very dry rocky site, 16km south of Aglasun on road to Bucak, Burdur Province.
elevation: 1360m. Wild. Seed.

PI 568183. *Festuca ovina* L. POACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

donor id: WKT 12. **origin:** Turkey. **collected:** July 22, 1985. **collector:** W.J. Kaiser. **other id:** W6 11402.
group: W6. **other id:** 220785-03. **locality:** Steep, rocky slope (northeastern exposure), heavily grazed very dry, 20km after Bayat village on road from Ankara-Afyon, Afyonkarahisar Province. **elevation:** 1150m. Wild. Seed.

PI 568184 to 568187. *Koeleria macrantha* (Ledeb.) Schultes POACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

PI 568184 to 568187-continued

- PI 568184 **donor id:** WKT 13. **origin:** Turkey. **collected:** July 22, 1985. **collector:** W.J. Kaiser. **other id:** W6 11403. **group:** W6. **other id:** 230785-01. **locality:** Among large and small rocks on brown soil in heavily grazed area, very dry (western exposure), 6km north of Dinar on road to Afyon, Afyonkarahisar Province. **elevation:** 1010m. Wild. Seed.
- PI 568185 **donor id:** WKT 14. **origin:** Turkey. **collected:** July 23, 1985. **collector:** W.J. Kaiser. **other id:** W6 11404. **group:** W6. **other id:** 230785-07. **locality:** Among large rocks on very dry heavily grazed site, 25km from Dinar on road to Haydarle, Afyonkarahisar Province. **elevation:** 1150m. Wild. Seed.
- PI 568186 **donor id:** WKT 17. **origin:** Turkey. **collected:** July 27, 1985. **collector:** W.J. Kaiser. **other id:** W6 11405. **group:** W6. **other id:** 270785-33. **locality:** Very dry, steep, rocky area, 20km west of Bozuyuk, on road to Bursa, Bilecik Province. **elevation:** 850m. Wild. Seed.
- PI 568187 **donor id:** WKT 18. **origin:** Turkey. **collected:** July 27, 1985. **collector:** W.J. Kaiser. **other id:** W6 11406. **group:** W6. **other id:** 270785-01. **locality:** Eastern exposure, very dry site, oak and juniper trees in area, 10km from Kutahya on road to Eskisehir, Kutahya Province. **elevation:** 1010m. Wild. Seed.

PI 568188 to 568195. *Lathyrus sativus* L. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

- PI 568188 **donor id:** WKT 62. **origin:** Turkey. **collected:** July 11, 1985. **collector:** W.J. Kaiser. **other id:** W6 11407. **group:** W6. **other id:** 110785-24. **locality:** Brown rocky soil, 27km south of Elazig on road from Maden-Elazig, Elazig Province. **elevation:** 1020m. **remarks:** Grown as a cultivated crop. Seeds collected from piles of drying plants in a farmer's field. Cultivated. Seed.
- PI 568189 **donor id:** WKT 63. **origin:** Turkey. **collected:** July 12, 1985. **collector:** W.J. Kaiser. **other id:** W6 11408. **group:** W6. **other id:** 120785-25. **locality:** Brown soil, 34km east of Keban Dam on Elazig-Keban road. **elevation:** 1000m. **remarks:** Seeds collected from standing dry plants in field (being grown as a crop). Cultivated. Seed.

PI 568188 to 568195-continued

- PI 568190 **donor id:** WKT 65. **origin:** Turkey. **collected:** July 13, 1985. **collector:** W.J. Kaiser. **other id:** W6 11409. **group:** W6. **other id:** 130785-03. **locality:** Rocky, calcareous soil, 300km east of Kayseri at village of Gurkaynak on the Malatya-Kayseri road, Malatya Province. **elevation:** 1560m. **remarks:** Collected from drying plants in farmer's field. Cultivated. Seed.
- PI 568191 **donor id:** WKT 66. **origin:** Turkey. **collected:** July 12, 1985. **collector:** W.J. Kaiser. **other id:** W6 11410. **group:** W6. **other id:** 170785-06. **locality:** 8km to Hirfanli Dam from Acikuyu village, Ankara Province. **elevation:** 870m. **remarks:** Collected from dry plants in piles in farmer's field. Cultivated. Seed.
- PI 568192 **donor id:** WKT 70. **origin:** Turkey. **collected:** July 23, 1985. **collector:** W.J. Kaiser. **other id:** W6 11412. **group:** W6. **other id:** 230785-03. **locality:** Near village of Kiziloren, approx. 25km north of Dinar on road to Afyon. **elevation:** 1050m. **remarks:** Collected from threshing pile, being grown as a cultivated crop. Cultivated. Seed.
- PI 568193 **donor id:** WKT 71. **origin:** Turkey. **collected:** July 23, 1985. **collector:** W.J. Kaiser. **other id:** W6 11413. **group:** W6. **other id:** 230785-06. **locality:** Ulukoy village, 15km north of Dinar, Afyonkarahisar Province. **elevation:** 1060m. Cultivated. Seed.
- PI 568194 **donor id:** WKT 72. **origin:** Turkey. **collected:** July 24, 1985. **collector:** W.J. Kaiser. **other id:** W6 11414. **group:** W6. **other id:** 240785-0103. **locality:** Rocky brown soil, 14km south of Dinar (near Dikici village) on Dinar-Isparta road, Afyonkarahisar Province. **elevation:** 1100m. **remarks:** Collected from piles of plants in field. Cultivated. Seed.
- PI 568195 **donor id:** WKT 73. **origin:** Turkey. **collected:** July 26, 1985. **collector:** W.J. Kaiser. **other id:** W6 11415. **group:** W6. **other id:** 260785-26. **locality:** Akpinar village, about 45km to Kutahya on the Usak-Kutahya road, Kutahya Province. **elevation:** 1200m. **remarks:** Seed collected from threshing piles. Cultivated. Seed.

PI 568196 to 568200. *Lotus corniculatus* L. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

PI 568196 to 568200-continued

- PI 568196 **donor id:** WKT 29. **origin:** Turkey. **collected:** July 26, 1985. **collector:** W.J. Kaiser. **other id:** W6 11419. **group:** W6. **other id:** 260785. **locality:** Disturbed soil in pine forest on Murat Mt., approx. 25km from Gediz, Kutahya Province. **elevation:** 1360m. **remarks:** Plants prostrate (perennial?). Flowers yellow. Pods long and narrow. Found in clusters at tip of peduncles. Wild. Seed.
- PI 568197 **donor id:** WKT 30. **origin:** Turkey. **collected:** July 12, 1985. **collector:** W.J. Kaiser. **other id:** W6 11420. **group:** W6. **other id:** 120785. **locality:** Meadow near small stream, 13km after Deregezen village on road from Keban Dam to Malatya, Maltaya Province. **elevation:** 690m. **remarks:** Flowers yellow. Some nearly mature pods collected. Perennial. Wild. Seed.
- PI 568198 **donor id:** WKT 32. **origin:** Turkey. **collected:** July 16, 1985. **collector:** W.J. Kaiser. **other id:** W6 11421. **group:** W6. **other id:** 160785. **locality:** Edge of chickpea field, light brown rocky soil, 10km from Seydisehir, on to Konya, Konya Province. **elevation:** 1050m. **remarks:** Single plant, tall with green and mature pods. Wild. Seed.
- PI 568199 **donor id:** WKT 33. **origin:** Turkey. **collected:** July 19, 1985. **collector:** W.J. Kaiser. **other id:** W6 11422. **group:** W6. **other id:** 190785. **locality:** Edge of wheat field, brown rocky soil, approx. 1km from Almus, Tokat Province. **elevation:** 900m. **remarks:** Plants prostrate. Flowers yellow, small. Wild. Seed.
- PI 568200 **donor id:** WKT 34. **origin:** Turkey. **collected:** July 22, 1985. **collector:** W.J. Kaiser. **other id:** W6 11423. **group:** W6. **other id:** 220785. **locality:** Rocky area by roadside, 9km after Bayat village on Ankara-Afyon road, Afyonkarahisar Province. **elevation:** 1320m. **remarks:** Flowers yellow, small. Pods narrow. Clustered at top of long peduncles. Wild. Seed.

PI 568201. *Medicago monspeliaca* (L.) Trautv. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

donor id: WKT 91. **origin:** Turkey. **collected:** July 16, 1985. **collector:** W.J. Kaiser. **other id:** W6 11425.
group: W6. **other id:** 160785-0102. **locality:** Among rocks and weeds, 53km from Konya on road to Beysehir, Konya Province. **elevation:** 1210m. **remarks:** Plant small, dry. Pods small, curved. Wild. Seed.

PI 568202 to 568205. *Medicago* sp. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

PI 568202 **donor id:** WKT 21. **origin:** Turkey. **collected:** July 14, 1985. **collector:** W.J. Kaiser. **other id:** W6 11426.
group: W6. **other id:** 140785-01. **locality:** Rocky area (heavily grazed), 24km from Kayseri on road to Mt. Ericyes, Kayseri Province. **elevation:** 1950m. **remarks:** Plant prostrate. Flowers small, yellow. Collected both green and ripe seeds. Wild. Seed.

PI 568203 **donor id:** WKT 22. **origin:** Turkey. **collected:** July 20, 1985. **collector:** W.J. Kaiser. **other id:** W6 11427.
group: W6. **other id:** 200785-05. **locality:** Among rocks along roadside, 31km to Corum on road from Merzifon, Corum Province. **elevation:** 950m. **remarks:** Flowers violet. Pods long, narrow, segmented and borne in clusters on long peduncles. Wild. Seed.

PI 568204 **donor id:** WKT 23. **origin:** Turkey. **collected:** July 23, 1985. **collector:** W.J. Kaiser. **other id:** W6 11428.
group: W6. **other id:** 230785-01. **locality:** Among rocks, brown soil, very dry site (western exposure), 6km north of Dinar on road to Afyon, Afyonkarahisar Province. **elevation:** 1010m. **remarks:** Possibly a legume. Plants dry. Pods narrow, curved, segmented. Wild. Seed.

PI 568205 **donor id:** WKT 24. **origin:** Turkey. **collected:** July 23, 1985. **collector:** W.J. Kaiser. **other id:** W6 11429.
group: W6. **other id:** 230785-02. **locality:** Edge of harvested wheat field, 21km north of Dinar on road to Afyon, Afyonkarahisar Province. **elevation:** 1060m. **remarks:** Unknown perennial legumes with pinnately compound leaves. Pods long, narrow, segmented, borne in clusters on long peduncles. Wild. Seed.

PI 568206. *Melica ciliata* L. POACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

donor id: WKT 28. **origin:** Turkey. **collected:** July 27, 1985. **collector:** W.J. Kaiser. **other id:** W6 11430. **group:** W6. **other id:** 270785-41. **locality:** Very dry steep rocky site, 20km west of Bozuyuk on road to Bursa, Bilecik Province. **elevation:** 850m. **remarks:** Plants approx. 1-1.5 ft. tall. Wild. Seed.

PI 568207 to 568209. *Onobrychis viciifolia* Scop. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

PI 568207 **donor id:** A-4985. **origin:** Turkey. **collected:** June 29, 1985. **collector:** W.J. Kaiser. **other id:** W6 11431. **group:** W6. **other id:** 290685-0101. **locality:** Rocky calcareous soil next to terraced wheat fields, 4km south of Samandag, on road to Yayadagi. **elevation:** 380m. **remarks:** Appears to be perennial species. Flowers pink. Area and plants heavily grazed. Wild. Seed.

PI 568208 **donor id:** WKT 10. **origin:** Turkey. **collected:** July 23, 1985. **collector:** W.J. Kaiser. **other id:** W6 11432. **group:** W6. **other id:** 230785-02. **locality:** Edge of harvested wheat field 21km north of Dinar on road to Afyon, Afyonkarahisar Province. **elevation:** 1060m. **remarks:** Plants with pink flowers. Wild. Seed.

PI 568209 **donor id:** WKT 9. **origin:** Turkey. **collected:** July 19, 1985. **collector:** W.J. Kaiser. **other id:** W6 11434. **group:** W6. **other id:** 190785-0104. **locality:** Rocky steep slope 12km south of Tokat on road to Sivas, Tokat Province. **elevation:** 1200m. **remarks:** Plants up to 2 ft. tall. Flowers pink-red. Wild. Seed.

PI 568210 to 568211. *Papaver syriacum* Boiss. & Blanche PAPAVERACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

PI 568210 to 568211-continued

PI 568210 **donor id:** WKT 50. **origin:** Turkey. **collected:** July 20, 1985. **collector:** W.J. Kaiser. **other id:** W6 11441. **group:** W6. **other id:** 200785-31. **locality:** Rocky soil near village of Yesiltepe, 32km after Merzifon on road to Corum, Amasya Province. **elevation:** 900m. **remarks:** Plants small. Flowers small, red. Capsules small. Wild. Seed.

PI 568211 **donor id:** WKT 56. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser. **other id:** W6 11446. **group:** W6. **other id:** 280785-03. **locality:** Vicia faba threshing area 14km after Gonen on road to Biga, Balikesir Province. **elevation:** 75m. Wild. Seed.

PI 568212. *Poa bulbosa* L. POACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

donor id: WKT 15. **origin:** Turkey. **collected:** July 24, 1985. **collector:** W.J. Kaiser. **other id:** W6 11448. **group:** W6. **other id:** 240785-03. **locality:** Rocky area, western exposure, in very dry site, 2km after intersection of Isparta-Burdur road on way to Isparta, Isparta Province. **elevation:** 910m. Wild. Seed.

PI 568213. *Sanguisorba minor* Scop. ROSACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

donor id: WKT 36. **origin:** Turkey. **collected:** July 11, 1985. **collector:** W.J. Kaiser. **other id:** W6 11449. **group:** W6. **other id:** 110785-05. **locality:** 21km after Maden direction to Elazig, Elazig Province. **elevation:** 1200m. Wild. Seed.

PI 568214 to 568215. *Trigonella foenum-graecum* L. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

PI 568214 to 568215-continued

PI 568214 **donor id:** WKT 58. **origin:** Turkey. **collected:** July 19, 1985. **collector:** W.J. Kaiser. **other id:** W6 11451. **group:** W6. **other id:** 190785-02. **locality:** Brown rocky soil, 7km to Almus on th Tokat-Almus road, Tokat Province. **elevation:** 1100m. **remarks:** Plants being grown as a crop. Collected green pods. Cultivated. Seed.

PI 568215 **donor id:** WKT 59. **origin:** Turkey. **collected:** July 21, 1985. **collector:** W.J. Kaiser. **other id:** W6 11452. **group:** W6. **other id:** 210785-08. **locality:** Collected from threshing pile. **remarks:** Plants being grown as a crop. Cultivated. Seed.

PI 568216. *Trigonella* sp. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

donor id: WKT 88. **origin:** Turkey. **collected:** July 13, 1985. **collector:** W.J. Kaiser. **other id:** W6 11456. **group:** W6. **other id:** 130785-37. **locality:** Rocky area heavily grazed, 15km west of Gurun on the road from Malatya to Kayseri, Sivas Province. **elevation:** 1650m. **remarks:** Plants small with many long curved pods. Wild. Seed.

PI 568217. *Cicer judaicum* Boiss. FABACEAE

Donated by: Rumbaugh, M.D., Forage and Range Research Lab, USDA-ARS, Utah State University, Logan, Utah 84322-6300, United States; and Graves, W., Cooperative Agricultural Extension, 5556 Overland Avenue, Building 4, San Diego, California, United States. Received May 10, 1993.

origin: Morocco. **collected:** July 28, 1983. **collector:** M.D. Rumbaugh, W. Graves. **other id:** W6 1016. **group:** W6. **locality:** Wash area, 24km from Erachidia towards Goulmimia. **elevation:** 975m. **remarks:** Contaminate in PI 516995 *Ononis natrix*. Wild. Seed.

PI 568218 to 568226. *Lens culinaris* Medikus FABACEAE

Donated by: Muehlbauer, F.J., Grain Legume Genetics & Physiology Res., Washington State University, 312 Johnson Hall, Pullman, Washington 99164, United States; and Kaiser, W.J., Western Regional PI Station, Washington State University, 59 Johnson Hall, Pullman, Washington 99164, United States. Received July 01, 1987.

PI 568218 to 568226-continued

- PI 568218 **origin:** Turkey. **collected:** July 01, 1985. **collector:** Fred J. Muehlbauer & Walter J. Kaiser. **collector id:** 010785-0702. **other id:** W6 11531. **group:** W6. **locality:** 15km after Birecik village of Kocaali, Urfa Province. **elevation:** 750m. **remarks:** Seed small, red, from threshing pile. Cultivated. Seed.
- PI 568219 **origin:** Turkey. **collected:** July 02, 1985. **collector:** Fred J. Muehlbauer & Walter J. Kaiser. **collector id:** 020785-0101. **other id:** W6 11532. **group:** W6. **locality:** 2km after Urfa direction to Bozova. **remarks:** In harvested piles. Plants tall upright. Seeds red with some spots, medium spot. Cultivated. Seed.
- PI 568220 **origin:** Turkey. **collected:** July 02, 1985. **collector:** Fred J. Muehlbauer & Walter J. Kaiser. **collector id:** 020785-0301. **other id:** W6 11533. **group:** W6. **locality:** 11km north of Bozova on road to new Ataturk Dam. **elevation:** 560m. **remarks:** Seed medium sized red type, from threshing pile. Cultivated. Seed.
- PI 568221 **origin:** Turkey. **collected:** July 03, 1985. **collector:** Fred J. Muehlbauer & Walter J. Kaiser. **collector id:** 030785-0101. **other id:** W6 11534. **group:** W6. **locality:** 5km after village Yarimtepe direction Bycomlekci. **elevation:** 650m. **remarks:** In harvested piles. Seed red medium size. Cultivated. Seed.
- PI 568222 **origin:** Turkey. **collected:** July 03, 1985. **collector:** Fred J. Muehlbauer & Walter J. Kaiser. **collector id:** 030785-0601. **other id:** W6 11535. **group:** W6. **locality:** Tekage village 7km after the village of Yignak. **elevation:** 520m. **remarks:** Seed medium red, from threshing pile. Cultivated. Seed.
- PI 568223 **origin:** Turkey. **collected:** July 03, 1985. **collector:** Fred J. Muehlbauer & Walter J. Kaiser. **collector id:** 030785-0701. **other id:** W6 11536. **group:** W6. **locality:** Kavakli village near the new site of the Ataturk Dam, Urfa Province. **elevation:** 575m. **remarks:** Seeds medium sized with red cotyledons, from threshing pile. Cultivated. Seed.
- PI 568224 **origin:** Turkey. **collected:** July 04, 1985. **collector:** Fred J. Muehlbauer & Walter J. Kaiser. **collector id:** 040785-0401. **other id:** W6 11537. **group:** W6. **locality:** Bahcacik village west of Hilvan, Urfa Province. **elevation:** 520m. **remarks:** Seed medium sized with red cotyledons. Some mottled seed coats. Cultivated. Seed.

PI 568218 to 568226-continued

PI 568225 **origin:** Turkey. **collector:** Fred J. Muehlbauer & Walter J. Kaiser. **collector id:** 040785-0502. **other id:** W6 11538. **group:** W6. **Seed.**

PI 568226 **origin:** Turkey. **collected:** July 18, 1985. **collector:** Fred J. Muehlbauer & Walter J. Kaiser. **collector id:** 180785-0301. **other id:** W6 11541. **group:** W6. **locality:** 31km to Yozgat from intersection of Yozgat-Ankara, Yozgat Province. **elevation:** 900m. **remarks:** Plants medium-tall. Seeds large, green. Cultivated. **Seed.**

PI 568227 to 568229. *Pisum sativum* L. subsp. *sativum* FABACEAE Pea

Donated by: Elliott, F.C., Elliott Plant Breeding, 1084 Angus Way, Yuma, Arizona 85364, United States. Received May 10, 1993.

PI 568227 **origin:** Czechoslovakia. **cultivar:** ERBI. **other id:** W6 11521. **group:** W6. **remarks:** Czechoslovakian cultivar used in USA breeding because of it's high protein. Very productive small bush type. Cultivar. **Seed.**

PI 568228 **origin:** France. **cultivar:** KERKER. **other id:** W6 11522. **group:** W6. **locality:** Obtained from Asgrow's plant breeder. **remarks:** Old French variety long used for canning. Small, highly productive bush with early flowering. Cultivar. **Seed.**

PI 568229 **origin:** Poland. **cultivar:** MIKO. **other id:** W6 11523. **group:** W6. **remarks:** Semi-leafless, very productive Polish cultivar. Variable leaflessness, up to 15% leafy type has been found. 1991 yields in Canada were 9826kg/h in Lacombe, Alberta and 10115kg/h in Wetaskiwin, Alberta. Cultivar. **Seed.**

PI 568230 to 568235. *Vicia faba* L. FABACEAE

Donated by: Norvell, O.W., Stanford University, Pal Alto, California, United States. Received May 10, 1993.

PI 568230 **donor id:** NRV-A. **origin:** UNKNOWN. **other id:** W6 19. **group:** W6. **Seed.**

PI 568231 **donor id:** NRV-B. **origin:** UNKNOWN. **other id:** W6 20. **group:** W6. **Seed.**

PI 568232 **donor id:** E8454. **origin:** UNKNOWN. **other id:** W6 21. **group:** W6. **Seed.**

PI 568233 **donor id:** E8486. **origin:** UNKNOWN. **other id:** W6 22. **group:** W6. **Seed.**

PI 568230 to 568235-continued

PI 568234 donor id: P8564. origin: UNKNOWN. other id: W6 23.
group: W6. Seed.

PI 568235 donor id: E8493. origin: Ecuador. other id: W6 24.
group: W6. Seed.

PI 568236. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: South Carolina Agr. Exp. Sta., South Carolina, United States. Received May 24, 1993.

origin: United States. cultivar: MAXCY. other id: PVP
9300201. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 568237. *Phaseolus vulgaris* L. FABACEAE Dry bean

Donated by: University of Idaho, Idaho, United States. Received May 24, 1993.

origin: United States. cultivar: UI 137. other id: PVP
9300202. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 568238. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: FFR Cooperative, United States. Received May 24, 1993.

origin: United States. cultivar: FFR 500. other id: PVP
9300203. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 568239. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: FFR Cooperative, United States. Received May 24, 1993.

origin: United States. cultivar: FFR 731. other id: PVP
9300204. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 568240. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.

PI 568240-continued

origin: United States. cultivar: A1395. other id: PVP
9300205. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 568241. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24,
1993.

origin: United States. cultivar: A1900. other id: PVP
9300206. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 568242. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24,
1993.

origin: United States. cultivar: A2012. other id: PVP
9300207. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 568243. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24,
1993.

origin: United States. cultivar: A2540. other id: PVP
9300208. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 568244. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24,
1993.

origin: United States. cultivar: A3304. other id: PVP
9300209. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 568245. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24,
1993.

PI 568245-continued

origin: United States. **cultivar:** A3510. **other id:** PVP 9300210. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 568246. *Hordeum vulgare* L. subsp. *vulgare* POACEAE Barley

Donated by: Peterson Seed Company, Inc., United States. Received May 24, 1993.

origin: United States. **cultivar:** BARONESSE. **other id:** PVP 9300211. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 568247. *Cucumis melo* L. CUCURBITACEAE Muskmelon

Donated by: Kansas State University Res. Foundation, Kansas, United States. Received May 24, 1993.

origin: United States. **cultivar:** EARLIBUSH CRENSHAW. **other id:** PVP 9300212. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 568248. *Phlox drummondii* Hook. POLEMONIACEAE Annual phlox

Donated by: Sakata Seed America, Inc., United States. Received May 24, 1993.

origin: United States. **cultivar:** DOLLY BURGUNDY. **other id:** PVP 9300213. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 568249. *Phlox drummondii* Hook. POLEMONIACEAE Annual phlox

Donated by: Sakata Seed America, Inc., United States. Received May 24, 1993.

origin: United States. **cultivar:** DOLLY PURPLE. **other id:** PVP 9300214. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 568250. *Phlox drummondii* Hook. POLEMONIACEAE Annual phlox

Donated by: Sakata Seed America, Inc., United States. Received May 24, 1993.

PI 568250-continued

origin: United States. cultivar: DOLLY DEEP ROSE. other id: PVP 9300215. source: Pending. group: PVPO. patent: PVPO. Cultivar. Seed.

PI 568251. Phlox drummondii Hook. POLEMONIACEAE Annual phlox

Donated by: Sakata Seed America, Inc., United States. Received May 24, 1993.

origin: United States. cultivar: DOLLY WHITE. other id: PVP 9300216. source: Pending. group: PVPO. patent: PVPO. Cultivar. Seed.

PI 568252. Lactuca sativa L. ASTERACEAE Lettuce

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.

origin: United States. cultivar: CONDOR. other id: PVP 9300217. source: Pending. group: PVPO. patent: PVPO. Cultivar. Seed.

PI 568253. Lactuca sativa L. ASTERACEAE Lettuce

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.

origin: United States. cultivar: TOP GUN. other id: PVP 9300218. source: Pending. group: PVPO. patent: PVPO. Cultivar. Seed.

PI 568254. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.

origin: United States. cultivar: A4415. other id: PVP 9300219. source: Pending. group: PVPO. patent: PVPO. Cultivar. Seed.

PI 568255. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.

PI 568255-continued

origin: United States. **cultivar:** A5112. **other id:** PVP 9300220. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 568256. *Secale cereale* L. subsp. *cereale* POACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1966.

origin: UNKNOWN. **cultivar:** BENSONS TURKESTAN. **remarks:** Background information unavailable. Cultivar. Seed.

PI 568257. *Secale strictum* (C. Presl) C. Presl POACEAE

Donated by: Soil Conservation Service -- USDA, Washington, United States. Received 1977.

origin: Russian Federation. **cultivar:** P-4888. **remarks:** "Manual of Grasses of the U.S." Hitchcock. Cultivar. Seed.

PI 568258 to 568259. *Lycopersicon* hybrid SOLANACEAE Tomato

Donated by: Thomas, P.E., Agricultural Research Service -- USDA, IAREC, RR 2, Box 2953A, Prosser, Washington 99350-9687, United States. Received May 27, 1993.

PI 568258 **origin:** United States. **cultivar:** Pr8-5. **pedigree:** (*Lycopersicon peruvianum*, PI 128655/*L. esculentum* cv. Bonny Best)/self-open pollinated five generations. **remarks:** F5 hybrid immune or extremely resistant to phloem-inhabiting pathogens of tomato and potato: beet curly top virus (BCTV), tomato yellow top virus (TYTV), potato leafroll virus (PLRV), and the beet leafhopper transmitted virescence agent BLTVA, which causes potato purple top and tomato big bud diseases. Plants upright, about 1 m tall. Flowers yellow. Leaves compound, 7-9 leaflets, grayish olive green upper surface, and slightly waxy. Fruits 1.5-2cm diam., light yellow green with dark green shoulders when ripe. Seed ovate, about 2.3mm, dark gray. Spring Annual. Breeding Material. Seed.

PI 568258 to 568259-continued

PI 568259 **origin:** United States. **cultivar:** PR18-4. **pedigree:** (*Lycopersicon peruvianum*, PI 128655/*L. esculentum* cv. Bonny Best)/self-open pollinated five generations. **remarks:** F5 hybrid immune or extremely resistant to phloem-inhabiting pathogens of tomato and potato: beet curly top virus (BCTV), tomato yellow top virus (TYTV), potato leafroll virus (PLRV), and the beet leafhopper transmitted virescence agent BLTVA, which causes potato purple top and tomato big bud diseases. Plants upright, about 1 m tall. Flowers yellow. Leaves compound, 7-9 leaflets, grayish olive green upper surface, and slightly waxy. Fruits 1.5-2cm diam., light yellow green with dark green shoulders when ripe. Seed ovate, about 2.3mm, dark gray. Spring Annual. Breeding Material. Seed.

PI 568260 to 568261. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Burton, J.W., Agricultural Research Service -- USDA, USDA Plant Science Bldg., 3127 Ligon St., Raleigh, North Carolina 27607, United States; and North Carolina Agricultural Res. Service. **remarks:** N79-2077-12 and N87-2122-4 Low Palmitic Soybean Germplasms. Received May 27, 1993.

PI 568260 **origin:** United States. **developed:** J.W. Burton, R.F. Wilson, C.A. Brim. **origin institute:** Agricultural Research Service -- USDA, USDA Plant Science Bldg., 3127 Ligon St., Raleigh, North Carolina 27607 United States. **cultivar:** N79-2077-12. **pedigree:** F9 derived line selected from recurrent selection population whose parents were PI 90406, PI 92567 and N69-2774. **other id:** GP-154. **source:** Crop Sci. 34(1):313 1994. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Reduced palmitic acid in seed oil, 60mg per g oil. Flowers white and gray pubescence. Seeds yellow with buff hila and shiny seed coat luster. Average weight per seed 175mg Flowers July 18 and matures October 8 in a full season planting in North Carolina. Spring Annual. Breeding Material. Seed.

PI 568260 to 568261-continued

PI 568261 **origin:** United States. **developed:** J.W. Burton, R.F. Wilson, C.A. Brim. **origin institute:** Agricultural Research Service -- USDA, USDA Plant Science Bldg., 3127 Ligon St., Raleigh, North Carolina 27607 United States. **cultivar:** N87-2122-4. **pedigree:** F6 derived line from N78-2245/N79-2077. **other id:** GP-155. **source:** Crop Sci. 34(1):313 1994. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Reduced palmitic acid in seed oil, 53mg per g oil. Flowers purple and gray pubescence. Seeds yellow with buff hila and shiny seed coat. Average weight per seed 196mg. Flowers July 14 and matures September 30 in a full season planting in North Carolina. Spring Annual. Breeding Material. Seed.

PI 568262. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Burton, J.W., Agricultural Research Service -- USDA, USDA Plant Science Bldg., 3127 Ligon St., Raleigh, North Carolina 27607, United States; and North Carolina Agricultural Res. Service. **remarks:** N88-480 Soybean Germplasm. Received May 27, 1993.

origin: United States. **developed:** J.W. Burton, R.F. Wilson. **origin institute:** Agricultural Research Service -- USDA, USDA Plant Science Bldg., 3127 Ligon St., Raleigh, North Carolina 27607 United States. **cultivar:** N88-480. **pedigree:** F3 from fourth cycle of a random mating population involving Arksoy, Ogden, Lee, Roanoke, Jackson, D60-8107 and N69-2774. **other id:** GP-156. **source:** Crop Sci. 34(1):313 1994. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Produces seeds with high oil concentration, 234g/kg seed on dry weight basis. Average seed protein concentration 369g/kg seed. Maturity Group VII. Susceptible to soybean cyst nematode (Heterodera glycines). Flowers white and tawny pubescence. Seeds with buff hila and shiny seed coat. Weight per seed approx. 136mg. Spring Annual. Breeding Material. Seed.

PI 568263 to 568674. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Omer, Hilu, Sorghum & Millet Research, Agric. Res. Corporation, P.O. Box 126, Wad Medani, Sudan. Received June 01, 1993.

PI 568263 **origin:** Sudan. **other id:** SU 2329. **group:** SU. Cultivated. Seed.

PI 568264 **origin:** Sudan. **other id:** SU 2330. **group:** SU. Cultivated. Seed.

PI 568263 to 568674-continued

PI 568265	origin: Sudan. other id: SU 2331. group: SU. Cultivated. Seed.
PI 568266	origin: Sudan. other id: SU 2340. group: SU. Cultivated. Seed.
PI 568267	origin: Sudan. other id: SU 2349. group: SU. Cultivated. Seed.
PI 568268	origin: Sudan. other id: SU 2350. group: SU. Cultivated. Seed.
PI 568269	origin: Sudan. other id: SU 2352. group: SU. Cultivated. Seed.
PI 568270	origin: Sudan. other id: SU 2353. group: SU. Cultivated. Seed.
PI 568271	origin: Sudan. other id: SU 2360. group: SU. Cultivated. Seed.
PI 568272	origin: Sudan. other id: SU 2377. group: SU. Cultivated. Seed.
PI 568273	origin: Sudan. other id: SU 2378. group: SU. Cultivated. Seed.
PI 568274	origin: Sudan. other id: SU 2379. group: SU. Cultivated. Seed.
PI 568275	origin: Sudan. other id: SU 2385. group: SU. Cultivated. Seed.
PI 568276	origin: Sudan. other id: SU 2390. group: SU. Cultivated. Seed.
PI 568277	origin: Sudan. other id: SU 2397. group: SU. Cultivated. Seed.
PI 568278	origin: Sudan. other id: SU 2398. group: SU. Cultivated. Seed.
PI 568279	origin: Sudan. other id: SU 2399. group: SU. Cultivated. Seed.
PI 568280	origin: Sudan. other id: SU 2400. group: SU. Cultivated. Seed.
PI 568281	origin: Sudan. other id: SU 2412. group: SU. Cultivated. Seed.

PI 568263 to 568674-continued

PI 568282 **origin:** Sudan. **other id:** SU 2414. **group:** SU.
 Cultivated. Seed.

PI 568283 **origin:** Sudan. **other id:** SU 2415. **group:** SU.
 Cultivated. Seed.

PI 568284 **origin:** Sudan. **other id:** Purdue-2. **other id:** SU 2467.
 group: SU. Cultivated. Seed.

PI 568285 **origin:** Sudan. **other id:** Purdue-3. **other id:** SU 2468.
 group: SU. Cultivated. Seed.

PI 568286 **origin:** Sudan. **other id:** Purdue-4. **other id:** SU 2469.
 group: SU. Cultivated. Seed.

PI 568287 **origin:** Sudan. **other id:** Purdue-5. **other id:** SU 2470.
 group: SU. Cultivated. Seed.

PI 568288 **origin:** Sudan. **other id:** Purdue-6. **other id:** SU 2471.
 group: SU. Cultivated. Seed.

PI 568289 **origin:** Sudan. **other id:** Purdue-7. **other id:** SU 2472.
 group: SU. Cultivated. Seed.

PI 568290 **origin:** Sudan. **other id:** Purdue-8. **other id:** SU 2473.
 group: SU. Cultivated. Seed.

PI 568291 **origin:** Sudan. **other id:** Purdue-9. **other id:** SU 2474.
 group: SU. Cultivated. Seed.

PI 568292 **origin:** Sudan. **other id:** Purdue-11. **other id:** SU 2476.
 group: SU. Cultivated. Seed.

PI 568293 **origin:** Sudan. **other id:** Purdue-12. **other id:** SU 2477.
 group: SU. Cultivated. Seed.

PI 568294 **origin:** Sudan. **other id:** Purdue-13. **other id:** SU 2478.
 group: SU. Cultivated. Seed.

PI 568295 **origin:** Sudan. **other id:** Purdue-14. **other id:** SU 2479.
 group: SU. Cultivated. Seed.

PI 568296 **origin:** Sudan. **other id:** Purdue-15. **other id:** SU 2480.
 group: SU. Cultivated. Seed.

PI 568297 **origin:** Sudan. **other id:** Purdue-16. **other id:** SU 2481.
 group: SU. Cultivated. Seed.

PI 568298 **origin:** Sudan. **other id:** Purdue-17. **other id:** SU 2482.
 group: SU. Cultivated. Seed.

PI 568263 to 568674-continued

PI 568299	origin: Sudan. other id: Purdue-18. group: SU. Cultivated. Seed.	other id: SU 2483.
PI 568300	origin: Sudan. other id: Purdue-19. group: SU. Cultivated. Seed.	other id: SU 2484.
PI 568301	origin: Sudan. other id: Purdue-21. group: SU. Cultivated. Seed.	other id: SU 2486.
PI 568302	origin: Sudan. other id: Purdue-22. group: SU. Cultivated. Seed.	other id: SU 2487.
PI 568303	origin: Sudan. other id: Purdue-23. group: SU. Cultivated. Seed.	other id: SU 2488.
PI 568304	origin: Sudan. other id: Purdue-24. group: SU. Cultivated. Seed.	other id: SU 2489.
PI 568305	origin: Sudan. other id: Purdue-26. group: SU. Cultivated. Seed.	other id: SU 2491.
PI 568306	origin: Sudan. other id: Purdue-27. group: SU. Cultivated. Seed.	other id: SU 2492.
PI 568307	origin: Sudan. other id: Purdue-28. group: SU. Cultivated. Seed.	other id: SU 2493.
PI 568308	origin: Sudan. other id: Purdue-29. group: SU. Cultivated. Seed.	other id: SU 2494.
PI 568309	origin: Sudan. other id: Purdue-31. group: SU. Cultivated. Seed.	other id: SU 2496.
PI 568310	origin: Sudan. other id: Purdue-32. group: SU. Cultivated. Seed.	other id: SU 2497.
PI 568311	origin: Sudan. other id: Purdue-33. group: SU. Cultivated. Seed.	other id: SU 2498.
PI 568312	origin: Sudan. other id: Purdue-34. group: SU. Cultivated. Seed.	other id: SU 2499.
PI 568313	origin: Sudan. other id: Purdue-35. group: SU. Cultivated. Seed.	other id: SU 2500.
PI 568314	origin: Sudan. other id: Purdue-36. group: SU. Cultivated. Seed.	other id: SU 2501.
PI 568315	origin: Sudan. other id: Purdue-37. group: SU. Cultivated. Seed.	other id: SU 2502.

PI 568263 to 568674-continued

PI 568316	origin: Sudan. other id: Purdue-38. group: SU. Cultivated. Seed.	other id: SU 2503.
PI 568317	origin: Sudan. other id: Purdue-39. group: SU. Cultivated. Seed.	other id: SU 2504.
PI 568318	origin: Sudan. other id: Purdue-40. group: SU. Cultivated. Seed.	other id: SU 2505.
PI 568319	origin: Sudan. other id: Purdue-41. group: SU. Cultivated. Seed.	other id: SU 2506.
PI 568320	origin: Sudan. other id: Purdue-42. group: SU. Cultivated. Seed.	other id: SU 2507.
PI 568321	origin: Sudan. other id: Purdue-43. group: SU. Cultivated. Seed.	other id: SU 2508.
PI 568322	origin: Sudan. other id: Purdue-44. group: SU. Cultivated. Seed.	other id: SU 2509.
PI 568323	origin: Sudan. other id: Purdue-45. group: SU. Cultivated. Seed.	other id: SU 2510.
PI 568324	origin: Sudan. other id: Purdue-46. group: SU. Cultivated. Seed.	other id: SU 2511.
PI 568325	origin: Sudan. other id: Purdue-47. group: SU. Cultivated. Seed.	other id: SU 2512.
PI 568326	origin: Sudan. other id: Purdue-48. group: SU. Cultivated. Seed.	other id: SU 2513.
PI 568327	origin: Sudan. other id: Purdue-49. group: SU. Cultivated. Seed.	other id: SU 2514.
PI 568328	origin: Sudan. other id: Purdue-50. group: SU. Cultivated. Seed.	other id: SU 2515.
PI 568329	origin: Sudan. other id: Purdue-51. group: SU. Cultivated. Seed.	other id: SU 2516.
PI 568330	origin: Sudan. other id: Purdue-52. group: SU. Cultivated. Seed.	other id: SU 2517.
PI 568331	origin: Sudan. other id: Purdue-53. group: SU. Cultivated. Seed.	other id: SU 2518.
PI 568332	origin: Sudan. other id: Purdue-54. group: SU. Cultivated. Seed.	other id: SU 2519.

PI 568263 to 568674-continued

PI 568333 **origin:** Sudan. **other id:** Purdue-55. **other id:** SU 2520.
group: SU. Cultivated. Seed.

PI 568334 **origin:** Sudan. **other id:** Purdue-56. **other id:** SU 2521.
group: SU. Cultivated. Seed.

PI 568335 **origin:** Sudan. **other id:** Purdue-57. **other id:** SU 2522.
group: SU. Cultivated. Seed.

PI 568336 **origin:** Sudan. **other id:** Purdue-58. **other id:** SU 2523.
group: SU. Cultivated. Seed.

PI 568337 **origin:** Sudan. **other id:** Purdue-59. **other id:** SU 2524.
group: SU. Cultivated. Seed.

PI 568338 **origin:** Sudan. **other id:** A/9. **other id:** SU 2533.
group: SU. Cultivated. Seed.

PI 568339 **origin:** Sudan. **other id:** A/15A. **other id:** SU 2537.
group: SU. Cultivated. Seed.

PI 568340 **origin:** Sudan. **other id:** A/20. **other id:** SU 2541.
group: SU. Cultivated. Seed.

PI 568341 **origin:** Sudan. **other id:** A/45. **other id:** SU 2558.
group: SU. Cultivated. Seed.

PI 568342 **origin:** Sudan. **other id:** A/48A. **other id:** SU 2562.
group: SU. Cultivated. Seed.

PI 568343 **origin:** Sudan. **other id:** A/69. **other id:** SU 2575.
group: SU. Cultivated. Seed.

PI 568344 **origin:** Sudan. **other id:** A/90. **other id:** SU 2589.
group: SU. Cultivated. Seed.

PI 568345 **origin:** Sudan. **other id:** A/90A. **other id:** SU 2590.
group: SU. Cultivated. Seed.

PI 568346 **origin:** Sudan. **other id:** A/112A. **other id:** SU 2609.
group: SU. Cultivated. Seed.

PI 568347 **origin:** Sudan. **other id:** A/114. **other id:** SU 2610.
group: SU. Cultivated. Seed.

PI 568348 **origin:** Sudan. **other id:** A/119. **other id:** SU 2613.
group: SU. Cultivated. Seed.

PI 568349 **origin:** Sudan. **other id:** A/121. **other id:** SU 2614.
group: SU. Cultivated. Seed.

PI 568263 to 568674-continued

PI 568350	origin: Sudan.	other id: A/127A.	other id: SU 2620.
	group: SU.	Cultivated.	Seed.
PI 568351	origin: Sudan.	other id: A/136.	other id: SU 2628.
	group: SU.	Cultivated.	Seed.
PI 568352	origin: Sudan.	other id: A/138.	other id: SU 2629.
	group: SU.	Cultivated.	Seed.
PI 568353	origin: Sudan.	other id: A/149.	other id: SU 2637.
	group: SU.	Cultivated.	Seed.
PI 568354	origin: Sudan.	other id: A/150.	other id: SU 2638.
	group: SU.	Cultivated.	Seed.
PI 568355	origin: Sudan.	other id: A/155A.	other id: SU 2641.
	group: SU.	Cultivated.	Seed.
PI 568356	origin: Sudan.	other id: A/159A.	other id: SU 2645.
	group: SU.	Cultivated.	Seed.
PI 568357	origin: Sudan.	other id: A/160.	other id: SU 2646.
	group: SU.	Cultivated.	Seed.
PI 568358	origin: Sudan.	other id: A/162.	other id: SU 2648.
	group: SU.	Cultivated.	Seed.
PI 568359	origin: Sudan.	other id: A/163.	other id: SU 2649.
	group: SU.	Cultivated.	Seed.
PI 568360	origin: Sudan.	other id: A/164.	other id: SU 2650.
	group: SU.	Cultivated.	Seed.
PI 568361	origin: Sudan.	other id: A/166.	other id: SU 2651.
	group: SU.	Cultivated.	Seed.
PI 568362	origin: Sudan.	other id: A/175.	other id: SU 2655.
	group: SU.	Cultivated.	Seed.
PI 568363	origin: Sudan.	other id: A/187.	other id: SU 2660.
	group: SU.	Cultivated.	Seed.
PI 568364	origin: Sudan.	other id: A/189A.	other id: SU 2662.
	group: SU.	Cultivated.	Seed.
PI 568365	origin: Sudan.	other id: A/192.	other id: SU 2664.
	group: SU.	Cultivated.	Seed.
PI 568366	origin: Sudan.	other id: A/201.	other id: SU 2667.
	group: SU.	Cultivated.	Seed.

PI 568263 to 568674-continued

PI 568367	origin: Sudan. other id: A/210. group: SU. Cultivated. Seed.	other id: SU 2672.
PI 568368	origin: Sudan. other id: A/221. group: SU. Cultivated. Seed.	other id: SU 2680.
PI 568369	origin: Sudan. other id: A/222. group: SU. Cultivated. Seed.	other id: SU 2681.
PI 568370	origin: Sudan. other id: A/226. group: SU. Cultivated. Seed.	other id: SU 2683.
PI 568371	origin: Sudan. other id: A/226A. group: SU. Cultivated. Seed.	other id: SU 2684.
PI 568372	origin: Sudan. other id: A/234A. group: SU. Cultivated. Seed.	other id: SU 2687.
PI 568373	origin: Sudan. other id: A/243. group: SU. Cultivated. Seed.	other id: SU 2690.
PI 568374	origin: Sudan. other id: A/247. group: SU. Cultivated. Seed.	other id: SU 2692.
PI 568375	origin: Sudan. other id: A/248. group: SU. Cultivated. Seed.	other id: SU 2693.
PI 568376	origin: Sudan. other id: A/260. group: SU. Cultivated. Seed.	other id: SU 2701.
PI 568377	origin: Sudan. other id: A/263. group: SU. Cultivated. Seed.	other id: SU 2703.
PI 568378	origin: Sudan. other id: A/269. group: SU. Cultivated. Seed.	other id: SU 2706.
PI 568379	origin: Sudan. other id: A/273. group: SU. Cultivated. Seed.	other id: SU 2709.
PI 568380	origin: Sudan. other id: A/278. group: SU. Cultivated. Seed.	other id: SU 2712.
PI 568381	origin: Sudan. other id: A/281. group: SU. Cultivated. Seed.	other id: SU 2714.
PI 568382	origin: Sudan. other id: A/286. group: SU. Cultivated. Seed.	other id: SU 2717.
PI 568383	origin: Sudan. other id: A/300. group: SU. Cultivated. Seed.	other id: SU 2723.

PI 568263 to 568674-continued

PI 568384	origin: Sudan. other id: A/301. group: SU. Cultivated. Seed.	other id: SU 2724.
PI 568385	origin: Sudan. other id: A/303. group: SU. Cultivated. Seed.	other id: SU 2726.
PI 568386	origin: Sudan. other id: A/304. group: SU. Cultivated. Seed.	other id: SU 2727.
PI 568387	origin: Sudan. other id: A/306. group: SU. Cultivated. Seed.	other id: SU 2728.
PI 568388	origin: Sudan. other id: A/309. group: SU. Cultivated. Seed.	other id: SU 2729.
PI 568389	origin: Sudan. other id: A/309A. group: SU. Cultivated. Seed.	other id: SU 2730.
PI 568390	origin: Sudan. other id: A/315. group: SU. Cultivated. Seed.	other id: SU 2734.
PI 568391	origin: Sudan. other id: A/318. group: SU. Cultivated. Seed.	other id: SU 2737.
PI 568392	origin: Sudan. other id: A/321. group: SU. Cultivated. Seed.	other id: SU 2739.
PI 568393	origin: Sudan. other id: A/324. group: SU. Cultivated. Seed.	other id: SU 2741.
PI 568394	origin: Sudan. other id: A/328A. group: SU. Cultivated. Seed.	other id: SU 2744.
PI 568395	origin: Sudan. other id: A/332. group: SU. Cultivated. Seed.	other id: SU 2748.
PI 568396	origin: Sudan. other id: A/334. group: SU. Cultivated. Seed.	other id: SU 2750.
PI 568397	origin: Sudan. other id: A/334A. group: SU. Cultivated. Seed.	other id: SU 2751.
PI 568398	origin: Sudan. other id: A/345. group: SU. Cultivated. Seed.	other id: SU 2755.
PI 568399	origin: Sudan. other id: A/346. group: SU. Cultivated. Seed.	other id: SU 2756.
PI 568400	origin: Sudan. other id: A/351. group: SU. Cultivated. Seed.	other id: SU 2757.

PI 568263 to 568674-continued

PI 568401 **origin:** Sudan. **other id:** A/352. **other id:** SU 2758.
group: SU. Cultivated. Seed.

PI 568402 **origin:** Sudan. **other id:** A/353. **other id:** SU 2759.
group: SU. Cultivated. Seed.

PI 568403 **origin:** Sudan. **other id:** A/358. **other id:** SU 2760.
group: SU. Cultivated. Seed.

PI 568404 **origin:** Sudan. **other id:** A/359A. **other id:** SU 2761.
group: SU. Cultivated. Seed.

PI 568405 **origin:** Sudan. **other id:** A/365. **other id:** SU 2762.
group: SU. Cultivated. Seed.

PI 568406 **origin:** Sudan. **other id:** A/373. **other id:** SU 2764.
group: SU. Cultivated. Seed.

PI 568407 **origin:** Sudan. **other id:** A/380. **other id:** SU 2765.
group: SU. Cultivated. Seed.

PI 568408 **origin:** Sudan. **other id:** A/382. **other id:** SU 2766.
group: SU. Cultivated. Seed.

PI 568409 **origin:** Sudan. **other id:** A/383. **other id:** SU 2767.
group: SU. Cultivated. Seed.

PI 568410 **origin:** Sudan. **other id:** A/390. **other id:** SU 2768.
group: SU. Cultivated. Seed.

PI 568411 **origin:** Sudan. **other id:** A/391. **other id:** SU 2769.
group: SU. Cultivated. Seed.

PI 568412 **origin:** Sudan. **other id:** A/401. **other id:** SU 2771.
group: SU. Cultivated. Seed.

PI 568413 **origin:** Sudan. **other id:** A/406. **other id:** SU 2773.
group: SU. Cultivated. Seed.

PI 568414 **origin:** Sudan. **other id:** A/408. **other id:** SU 2774.
group: SU. Cultivated. Seed.

PI 568415 **origin:** Sudan. **other id:** A/422. **other id:** SU 2776.
group: SU. Cultivated. Seed.

PI 568416 **origin:** Sudan. **other id:** B/1. **other id:** SU 2777.
group: SU. Cultivated. Seed.

PI 568417 **origin:** Sudan. **other id:** B/4. **other id:** SU 2778.
group: SU. Cultivated. Seed.

PI 568263 to 568674-continued

PI 568418	origin: Sudan. other id: B/6. group: SU. Cultivated. Seed.	other id: SU 2779.
PI 568419	origin: Sudan. other id: B/8. group: SU. Cultivated. Seed.	other id: SU 2780.
PI 568420	origin: Sudan. other id: B/9. group: SU. Cultivated. Seed.	other id: SU 2781.
PI 568421	origin: Sudan. other id: B/10. group: SU. Cultivated. Seed.	other id: SU 2782.
PI 568422	origin: Sudan. other id: B/14. group: SU. Cultivated. Seed.	other id: SU 2783.
PI 568423	origin: Sudan. other id: B/15. group: SU. Cultivated. Seed.	other id: SU 2784.
PI 568424	origin: Sudan. other id: B/16. group: SU. Cultivated. Seed.	other id: SU 2785.
PI 568425	origin: Sudan. other id: B/21. group: SU. Cultivated. Seed.	other id: SU 2786.
PI 568426	origin: Sudan. other id: B/23. group: SU. Cultivated. Seed.	other id: SU 2787.
PI 568427	origin: Sudan. other id: B/24. group: SU. Cultivated. Seed.	other id: SU 2788.
PI 568428	origin: Sudan. other id: B/25. group: SU. Cultivated. Seed.	other id: SU 2789.
PI 568429	origin: Sudan. other id: B/35. group: SU. Cultivated. Seed.	other id: SU 2790.
PI 568430	origin: Sudan. other id: B/36. group: SU. Cultivated. Seed.	other id: SU 2791.
PI 568431	origin: Sudan. other id: B/37. group: SU. Cultivated. Seed.	other id: SU 2792.
PI 568432	origin: Sudan. other id: B/42. group: SU. Cultivated. Seed.	other id: SU 2793.
PI 568433	origin: Sudan. other id: B/44. group: SU. Cultivated. Seed.	other id: SU 2794.
PI 568434	origin: Sudan. other id: B/45. group: SU. Cultivated. Seed.	other id: SU 2795.

PI 568263 to 568674-continued

PI 568435	origin: Sudan. other id: B/51. group: SU. Cultivated. Seed.	other id: SU 2796.
PI 568436	origin: Sudan. other id: B/52. group: SU. Cultivated. Seed.	other id: SU 2797.
PI 568437	origin: Sudan. other id: B/54A. group: SU. Cultivated. Seed.	other id: SU 2798.
PI 568438	origin: Sudan. other id: B/61. group: SU. Cultivated. Seed.	other id: SU 2799.
PI 568439	origin: Sudan. other id: B/63. group: SU. Cultivated. Seed.	other id: SU 2800.
PI 568440	origin: Sudan. other id: B/64. group: SU. Cultivated. Seed.	other id: SU 2801.
PI 568441	origin: Sudan. other id: B/65. group: SU. Cultivated. Seed.	other id: SU 2802.
PI 568442	origin: Sudan. other id: B/67. group: SU. Cultivated. Seed.	other id: SU 2803.
PI 568443	origin: Sudan. other id: B/68. group: SU. Cultivated. Seed.	other id: SU 2804.
PI 568444	origin: Sudan. other id: B/72. group: SU. Cultivated. Seed.	other id: SU 2805.
PI 568445	origin: Sudan. other id: B/74. group: SU. Cultivated. Seed.	other id: SU 2806.
PI 568446	origin: Sudan. other id: B/80. group: SU. Cultivated. Seed.	other id: SU 2807.
PI 568447	origin: Sudan. other id: B/91. group: SU. Cultivated. Seed.	other id: SU 2810.
PI 568448	origin: Sudan. other id: B/95. group: SU. Cultivated. Seed.	other id: SU 2811.
PI 568449	origin: Sudan. other id: B/97. group: SU. Cultivated. Seed.	other id: SU 2812.
PI 568450	origin: Sudan. other id: B/115. group: SU. Cultivated. Seed.	other id: SU 2813.
PI 568451	origin: Sudan. other id: B/144. group: SU. Cultivated. Seed.	other id: SU 2814.

PI 568263 to 568674-continued

PI 568452 **origin:** Sudan. **other id:** B/209A. **other id:** SU 2821.
group: SU. Cultivated. Seed.

PI 568453 **origin:** Sudan. **other id:** B/210. **other id:** SU 2822.
group: SU. Cultivated. Seed.

PI 568454 **origin:** Sudan. **other id:** B/220. **other id:** SU 2823.
group: SU. Cultivated. Seed.

PI 568455 **origin:** Sudan. **other id:** B/220A. **other id:** SU 2824.
group: SU. Cultivated. Seed.

PI 568456 **origin:** Sudan. **other id:** B/221. **other id:** SU 2825.
group: SU. Cultivated. Seed.

PI 568457 **origin:** Sudan. **other id:** B/221A. **other id:** SU 2826.
group: SU. Cultivated. Seed.

PI 568458 **origin:** Sudan. **other id:** B/223. **other id:** SU 2827.
group: SU. Cultivated. Seed.

PI 568459 **origin:** Sudan. **other id:** B/225. **other id:** SU 2828.
group: SU. Cultivated. Seed.

PI 568460 **origin:** Sudan. **other id:** B/226. **other id:** SU 2829.
group: SU. Cultivated. Seed.

PI 568461 **origin:** Sudan. **other id:** B/227. **other id:** SU 2831.
group: SU. Cultivated. Seed.

PI 568462 **origin:** Sudan. **other id:** B/228. **other id:** SU 2832.
group: SU. Cultivated. Seed.

PI 568463 **origin:** Sudan. **other id:** B/230. **other id:** SU 2833.
group: SU. Cultivated. Seed.

PI 568464 **origin:** Sudan. **other id:** B/231. **other id:** SU 2835.
group: SU. Cultivated. Seed.

PI 568465 **origin:** Sudan. **other id:** B/231A. **other id:** SU 2836.
group: SU. Cultivated. Seed.

PI 568466 **origin:** Sudan. **other id:** B/235. **other id:** SU 2837.
group: SU. Cultivated. Seed.

PI 568467 **origin:** Sudan. **other id:** B/236. **other id:** SU 2838.
group: SU. Cultivated. Seed.

PI 568468 **origin:** Sudan. **other id:** B/236A. **other id:** SU 2839.
group: SU. Cultivated. Seed.

PI 568263 to 568674-continued

PI 568469	origin: Sudan.	other id: B/237A.	other id: SU 2841.
	group: SU.	Cultivated.	Seed.
PI 568470	origin: Sudan.	other id: B/239.	other id: SU 2842.
	group: SU.	Cultivated.	Seed.
PI 568471	origin: Sudan.	other id: B/239A.	other id: SU 2843.
	group: SU.	Cultivated.	Seed.
PI 568472	origin: Sudan.	other id: B/241.	other id: SU 2844.
	group: SU.	Cultivated.	Seed.
PI 568473	origin: Sudan.	other id: B/244.	other id: SU 2846.
	group: SU.	Cultivated.	Seed.
PI 568474	origin: Sudan.	other id: B/251.	other id: SU 2848.
	group: SU.	Cultivated.	Seed.
PI 568475	origin: Sudan.	other id: B/255.	other id: SU 2849.
	group: SU.	Cultivated.	Seed.
PI 568476	origin: Sudan.	other id: B/257.	other id: SU 2850.
	group: SU.	Cultivated.	Seed.
PI 568477	origin: Sudan.	other id: B/258.	other id: SU 2851.
	group: SU.	Cultivated.	Seed.
PI 568478	origin: Sudan.	other id: B/261.	other id: SU 2853.
	group: SU.	Cultivated.	Seed.
PI 568479	origin: Sudan.	other id: B/263.	other id: SU 2854.
	group: SU.	Cultivated.	Seed.
PI 568480	origin: Sudan.	other id: B/264.	other id: SU 2856.
	group: SU.	Cultivated.	Seed.
PI 568481	origin: Sudan.	other id: B/266.	other id: SU 2858.
	group: SU.	Cultivated.	Seed.
PI 568482	origin: Sudan.	other id: B/266A.	other id: SU 2859.
	group: SU.	Cultivated.	Seed.
PI 568483	origin: Sudan.	other id: B/269.	other id: SU 2861.
	group: SU.	Cultivated.	Seed.
PI 568484	origin: Sudan.	other id: B/277.	other id: SU 2863.
	group: SU.	Cultivated.	Seed.
PI 568485	origin: Sudan.	other id: B/281.	other id: SU 2864.
	group: SU.	Cultivated.	Seed.

PI 568263 to 568674-continued

PI 568486	origin: Sudan. other id: -1. other id: SU 2866. group: SU. Cultivated. Seed.
PI 568487	origin: Sudan. other id: -3. other id: SU 2868. group: SU. Cultivated. Seed.
PI 568488	origin: Sudan. other id: -4. other id: SU 2869. group: SU. Cultivated. Seed.
PI 568489	origin: Sudan. other id: -7. other id: SU 2872. group: SU. Cultivated. Seed.
PI 568490	origin: Sudan. other id: -8. other id: SU 2873. group: SU. Cultivated. Seed.
PI 568491	origin: Sudan. other id: -9. other id: SU 2874. group: SU. Cultivated. Seed.
PI 568492	origin: Sudan. other id: -10. other id: SU 2875. group: SU. Cultivated. Seed.
PI 568493	origin: Sudan. other id: -11. other id: SU 2876. group: SU. Cultivated. Seed.
PI 568494	origin: Sudan. other id: -12. other id: SU 2877. group: SU. Cultivated. Seed.
PI 568495	origin: Sudan. other id: -14. other id: SU 2879. group: SU. Cultivated. Seed.
PI 568496	origin: Sudan. other id: -15. other id: SU 2880. group: SU. Cultivated. Seed.
PI 568497	origin: Sudan. other id: -16. other id: SU 2881. group: SU. Cultivated. Seed.
PI 568498	origin: Sudan. other id: -19. other id: SU 2884. group: SU. Cultivated. Seed.
PI 568499	origin: Sudan. other id: -20. other id: SU 2885. group: SU. Cultivated. Seed.
PI 568500	origin: Sudan. other id: -21. other id: SU 2886. group: SU. Cultivated. Seed.
PI 568501	origin: Sudan. other id: -22. other id: SU 2887. group: SU. Cultivated. Seed.
PI 568502	origin: Sudan. other id: -23. other id: SU 2888. group: SU. Cultivated. Seed.

PI 568263 to 568674-continued

PI 568503	origin: Sudan. other id: -24. group: SU. Cultivated. Seed.	other id: SU 2889.
PI 568504	origin: Sudan. other id: -25. group: SU. Cultivated. Seed.	other id: SU 2890.
PI 568505	origin: Sudan. other id: -26. group: SU. Cultivated. Seed.	other id: SU 2891.
PI 568506	origin: Sudan. other id: -27. group: SU. Cultivated. Seed.	other id: SU 2892.
PI 568507	origin: Sudan. other id: -28. group: SU. Cultivated. Seed.	other id: SU 2893.
PI 568508	origin: Sudan. other id: -29. group: SU. Cultivated. Seed.	other id: SU 2894.
PI 568509	origin: Sudan. other id: -30. group: SU. Cultivated. Seed.	other id: SU 2895.
PI 568510	origin: Sudan. other id: -31. group: SU. Cultivated. Seed.	other id: SU 2896.
PI 568511	origin: Sudan. other id: -32. group: SU. Cultivated. Seed.	other id: SU 2897.
PI 568512	origin: Sudan. other id: -35. group: SU. Cultivated. Seed.	other id: SU 2900.
PI 568513	origin: Sudan. other id: -36. group: SU. Cultivated. Seed.	other id: SU 2901.
PI 568514	origin: Sudan. other id: -37. group: SU. Cultivated. Seed.	other id: SU 2902.
PI 568515	origin: Sudan. other id: -39. group: SU. Cultivated. Seed.	other id: SU 2904.
PI 568516	origin: Sudan. other id: -40. group: SU. Cultivated. Seed.	other id: SU 2905.
PI 568517	origin: Sudan. other id: -41. group: SU. Cultivated. Seed.	other id: SU 2906.
PI 568518	origin: Sudan. other id: -42. group: SU. Cultivated. Seed.	other id: SU 2907.
PI 568519	origin: Sudan. other id: -43. group: SU. Cultivated. Seed.	other id: SU 2908.

PI 568263 to 568674-continued

PI 568520 **origin:** Sudan. **other id:** -44. **other id:** SU 2909.
group: SU. Cultivated. Seed.

PI 568521 **origin:** Sudan. **other id:** -45. **other id:** SU 2910.
group: SU. Cultivated. Seed.

PI 568522 **origin:** Sudan. **other id:** -46. **other id:** SU 2911.
group: SU. Cultivated. Seed.

PI 568523 **origin:** Sudan. **other id:** -47. **other id:** SU 2912.
group: SU. Cultivated. Seed.

PI 568524 **origin:** Sudan. **other id:** -48. **other id:** SU 2913.
group: SU. Cultivated. Seed.

PI 568525 **origin:** Sudan. **other id:** -50. **other id:** SU 2915.
group: SU. Cultivated. Seed.

PI 568526 **origin:** Sudan. **other id:** -51. **other id:** SU 2916.
group: SU. Cultivated. Seed.

PI 568527 **origin:** Sudan. **other id:** -52. **other id:** SU 2917.
group: SU. Cultivated. Seed.

PI 568528 **origin:** Sudan. **other id:** -53. **other id:** SU 2918.
group: SU. Cultivated. Seed.

PI 568529 **origin:** Sudan. **other id:** -55. **other id:** SU 2920.
group: SU. Cultivated. Seed.

PI 568530 **origin:** Sudan. **other id:** SU 2921. **group:** SU.
Cultivated. Seed.

PI 568531 **origin:** Sudan. **other id:** SU 2923. **group:** SU.
Cultivated. Seed.

PI 568532 **origin:** Sudan. **other id:** SU 2924. **group:** SU.
Cultivated. Seed.

PI 568533 **origin:** Sudan. **other id:** SU 2925. **group:** SU.
Cultivated. Seed.

PI 568534 **origin:** Sudan. **other id:** SU 2926. **group:** SU.
Cultivated. Seed.

PI 568535 **origin:** Sudan. **other id:** SU 2927. **group:** SU.
Cultivated. Seed.

PI 568536 **origin:** Sudan. **other id:** SU 2928. **group:** SU.
Cultivated. Seed.

PI 568263 to 568674-continued

PI 568537	origin: Sudan. other id: SU 2929.	group: SU.
	Cultivated. Seed.	
PI 568538	origin: Sudan. other id: SU 2930.	group: SU.
	Cultivated. Seed.	
PI 568539	origin: Sudan. other id: SU 2931.	group: SU.
	Cultivated. Seed.	
PI 568540	origin: Sudan. other id: SU 2932.	group: SU.
	Cultivated. Seed.	
PI 568541	origin: Sudan. other id: SU 2933.	group: SU.
	Cultivated. Seed.	
PI 568542	origin: Sudan. other id: SU 2934.	group: SU.
	Cultivated. Seed.	
PI 568543	origin: Sudan. other id: SU 2935.	group: SU.
	Cultivated. Seed.	
PI 568544	origin: Sudan. other id: SU 2936.	group: SU.
	Cultivated. Seed.	
PI 568545	origin: Sudan. other id: SU 2937.	group: SU.
	Cultivated. Seed.	
PI 568546	origin: Sudan. other id: SU 2938.	group: SU.
	Cultivated. Seed.	
PI 568547	origin: Sudan. other id: SU 2939.	group: SU.
	Cultivated. Seed.	
PI 568548	origin: Sudan. other id: SU 2940.	group: SU.
	Cultivated. Seed.	
PI 568549	origin: Sudan. other id: SU 2942.	group: SU.
	Cultivated. Seed.	
PI 568550	origin: Sudan. other id: SU 2943.	group: SU.
	Cultivated. Seed.	
PI 568551	origin: Sudan. other id: SU 2944.	group: SU.
	Cultivated. Seed.	
PI 568552	origin: Sudan. other id: SU 2945.	group: SU.
	Cultivated. Seed.	
PI 568553	origin: Sudan. other id: SU 2946.	group: SU.
	Cultivated. Seed.	

PI 568263 to 568674-continued

PI 568554	origin: Sudan. other id: SU 2947. group: SU. Cultivated. Seed.
PI 568555	origin: Sudan. other id: SU 2948. group: SU. Cultivated. Seed.
PI 568556	origin: Sudan. other id: SU 2949. group: SU. Cultivated. Seed.
PI 568557	origin: Sudan. other id: SU 2950. group: SU. Cultivated. Seed.
PI 568558	origin: Sudan. other id: SU 2951. group: SU. Cultivated. Seed.
PI 568559	origin: Sudan. other id: SU 2952. group: SU. Cultivated. Seed.
PI 568560	origin: Sudan. other id: SU 2953. group: SU. Cultivated. Seed.
PI 568561	origin: Sudan. other id: SU 2954. group: SU. Cultivated. Seed.
PI 568562	origin: Sudan. other id: SU 2955. group: SU. Cultivated. Seed.
PI 568563	origin: Sudan. other id: SU 2956. group: SU. Cultivated. Seed.
PI 568564	origin: Sudan. other id: SU 2961. group: SU. Cultivated. Seed.
PI 568565	origin: Sudan. other id: SU 2962. group: SU. Cultivated. Seed.
PI 568566	origin: Sudan. other id: SU 2963. group: SU. Cultivated. Seed.
PI 568567	origin: Sudan. other id: SU 2964. group: SU. Cultivated. Seed.
PI 568568	origin: Sudan. other id: SU 2965. group: SU. Cultivated. Seed.
PI 568569	origin: Sudan. other id: SU 2966. group: SU. Cultivated. Seed.
PI 568570	origin: Sudan. other id: SU 2967. group: SU. Cultivated. Seed.

PI 568263 to 568674-continued

PI 568571	origin: Sudan. other id: SU 2968.	group: SU.
	Cultivated. Seed.	
PI 568572	origin: Sudan. other id: SU 2969.	group: SU.
	Cultivated. Seed.	
PI 568573	origin: Sudan. other id: SU 2972.	group: SU.
	Cultivated. Seed.	
PI 568574	origin: Sudan. other id: SU 2973.	group: SU.
	Cultivated. Seed.	
PI 568575	origin: Sudan. other id: SU 2974.	group: SU.
	Cultivated. Seed.	
PI 568576	origin: Sudan. other id: SU 2976.	group: SU.
	Cultivated. Seed.	
PI 568577	origin: Sudan. other id: SU 2977.	group: SU.
	Cultivated. Seed.	
PI 568578	origin: Sudan. other id: SU 2978.	group: SU.
	Cultivated. Seed.	
PI 568579	origin: Sudan. other id: SU 2980.	group: SU.
	Cultivated. Seed.	
PI 568580	origin: Sudan. other id: SU 2981.	group: SU.
	Cultivated. Seed.	
PI 568581	origin: Sudan. other id: SU 2982.	group: SU.
	Cultivated. Seed.	
PI 568582	origin: Sudan. other id: SU 2983.	group: SU.
	Cultivated. Seed.	
PI 568583	origin: Sudan. other id: SU 2984.	group: SU.
	Cultivated. Seed.	
PI 568584	origin: Sudan. other id: SU 2985.	group: SU.
	Cultivated. Seed.	
PI 568585	origin: Sudan. other id: SU 2986.	group: SU.
	Cultivated. Seed.	
PI 568586	origin: Sudan. other id: SU 2987.	group: SU.
	Cultivated. Seed.	
PI 568587	origin: Sudan. other id: SU 2989.	group: SU.
	Cultivated. Seed.	

PI 568263 to 568674-continued

PI 568588	origin: Sudan.	other id: SU 2993.	group: SU.
	Cultivated.	Seed.	
PI 568589	origin: Sudan.	other id: SU 2994.	group: SU.
	Cultivated.	Seed.	
PI 568590	origin: Sudan.	other id: SU 2995.	group: SU.
	Cultivated.	Seed.	
PI 568591	origin: Sudan.	other id: SU 2999.	group: SU.
	Cultivated.	Seed.	
PI 568592	origin: Sudan.	other id: SU 3001.	group: SU.
	Cultivated.	Seed.	
PI 568593	origin: Sudan.	other id: SU 3003.	group: SU.
	Cultivated.	Seed.	
PI 568594	origin: Sudan.	other id: SU 3004.	group: SU.
	Cultivated.	Seed.	
PI 568595	origin: Sudan.	other id: SU 3005.	group: SU.
	Cultivated.	Seed.	
PI 568596	origin: Sudan.	other id: SU 3006.	group: SU.
	Cultivated.	Seed.	
PI 568597	origin: Sudan.	other id: SU 3008.	group: SU.
	Cultivated.	Seed.	
PI 568598	origin: Sudan.	other id: SU 3012.	group: SU.
	Cultivated.	Seed.	
PI 568599	origin: Sudan.	other id: SU 3014.	group: SU.
	Cultivated.	Seed.	
PI 568600	origin: Sudan.	other id: SU 3015.	group: SU.
	Cultivated.	Seed.	
PI 568601	origin: Sudan.	other id: SU 3016.	group: SU.
	Cultivated.	Seed.	
PI 568602	origin: Sudan.	other id: SU 3017.	group: SU.
	Cultivated.	Seed.	
PI 568603	origin: Sudan.	other id: SU 3018.	group: SU.
	Cultivated.	Seed.	
PI 568604	origin: Sudan.	other id: SU 3019.	group: SU.
	Cultivated.	Seed.	

PI 568263 to 568674-continued

PI 568605	origin: Sudan. other id: SU 3022.	group: SU.
	Cultivated. Seed.	
PI 568606	origin: Sudan. other id: SU 3023.	group: SU.
	Cultivated. Seed.	
PI 568607	origin: Sudan. other id: SU 3025.	group: SU.
	Cultivated. Seed.	
PI 568608	origin: Sudan. other id: SU 3027.	group: SU.
	Cultivated. Seed.	
PI 568609	origin: Sudan. other id: SU 3028.	group: SU.
	Cultivated. Seed.	
PI 568610	origin: Sudan. other id: SU 3029.	group: SU.
	Cultivated. Seed.	
PI 568611	origin: Sudan. other id: SU 3030.	group: SU.
	Cultivated. Seed.	
PI 568612	origin: Sudan. other id: SU 3033.	group: SU.
	Cultivated. Seed.	
PI 568613	origin: Sudan. other id: SU 3035.	group: SU.
	Cultivated. Seed.	
PI 568614	origin: Sudan. other id: SU 3038.	group: SU.
	Cultivated. Seed.	
PI 568615	origin: Sudan. other id: SU 3039.	group: SU.
	Cultivated. Seed.	
PI 568616	origin: Sudan. other id: SU 3041.	group: SU.
	Cultivated. Seed.	
PI 568617	origin: Sudan. other id: SU 3042.	group: SU.
	Cultivated. Seed.	
PI 568618	origin: Sudan. other id: SU 3044.	group: SU.
	Cultivated. Seed.	
PI 568619	origin: Sudan. other id: SU 3046.	group: SU.
	Cultivated. Seed.	
PI 568620	origin: Sudan. other id: SU 3048.	group: SU.
	Cultivated. Seed.	
PI 568621	origin: Sudan. other id: SU 3049.	group: SU.
	Cultivated. Seed.	

PI 568263 to 568674-continued

PI 568622	origin: Sudan. other id: SU 3050.	group: SU.
	Cultivated. Seed.	
PI 568623	origin: Sudan. other id: SU 3054.	group: SU.
	Cultivated. Seed.	
PI 568624	origin: Sudan. other id: SU 3055.	group: SU.
	Cultivated. Seed.	
PI 568625	origin: Sudan. other id: SU 3056.	group: SU.
	Cultivated. Seed.	
PI 568626	origin: Sudan. other id: SU 3058.	group: SU.
	Cultivated. Seed.	
PI 568627	origin: Sudan. other id: SU 3059.	group: SU.
	Cultivated. Seed.	
PI 568628	origin: Sudan. other id: SU 3062.	group: SU.
	Cultivated. Seed.	
PI 568629	origin: Sudan. other id: SU 3063.	group: SU.
	Cultivated. Seed.	
PI 568630	origin: Sudan. other id: SU 3064.	group: SU.
	Cultivated. Seed.	
PI 568631	origin: Sudan. other id: SU 3066.	group: SU.
	Cultivated. Seed.	
PI 568632	origin: Sudan. other id: SU 3068.	group: SU.
	Cultivated. Seed.	
PI 568633	origin: Sudan. other id: SU 3069.	group: SU.
	Cultivated. Seed.	
PI 568634	origin: Sudan. other id: SU 3070.	group: SU.
	Cultivated. Seed.	
PI 568635	origin: Sudan. other id: SU 3071.	group: SU.
	Cultivated. Seed.	
PI 568636	origin: Sudan. other id: SU 3073.	group: SU.
	Cultivated. Seed.	
PI 568637	origin: Sudan. other id: SU 3076.	group: SU.
	Cultivated. Seed.	
PI 568638	origin: Sudan. other id: SU 3077.	group: SU.
	Cultivated. Seed.	

PI 568263 to 568674-continued

PI 568639	origin: Sudan. other id: SU 3078.	group: SU.
	Cultivated. Seed.	
PI 568640	origin: Sudan. other id: SU 3079.	group: SU.
	Cultivated. Seed.	
PI 568641	origin: Sudan. other id: SU 3080.	group: SU.
	Cultivated. Seed.	
PI 568642	origin: Sudan. other id: SU 3081.	group: SU.
	Cultivated. Seed.	
PI 568643	origin: Sudan. other id: SU 3082.	group: SU.
	Cultivated. Seed.	
PI 568644	origin: Sudan. other id: SU 3084.	group: SU.
	Cultivated. Seed.	
PI 568645	origin: Sudan. other id: SU 3085.	group: SU.
	Cultivated. Seed.	
PI 568646	origin: Sudan. other id: SU 3086.	group: SU.
	Cultivated. Seed.	
PI 568647	origin: Sudan. other id: SU 3087.	group: SU.
	Cultivated. Seed.	
PI 568648	origin: Sudan. other id: SU 3089.	group: SU.
	Cultivated. Seed.	
PI 568649	origin: Sudan. other id: SU 3091.	group: SU.
	Cultivated. Seed.	
PI 568650	origin: Sudan. other id: SU 3092.	group: SU.
	Cultivated. Seed.	
PI 568651	origin: Sudan. other id: SU 3093.	group: SU.
	Cultivated. Seed.	
PI 568652	origin: Sudan. other id: SU 3095.	group: SU.
	Cultivated. Seed.	
PI 568653	origin: Sudan. other id: SU 3097.	group: SU.
	Cultivated. Seed.	
PI 568654	origin: Sudan. other id: SU 3098.	group: SU.
	Cultivated. Seed.	
PI 568655	origin: Sudan. other id: SU 3099.	group: SU.
	Cultivated. Seed.	

PI 568263 to 568674-continued

PI 568656	origin: Sudan. other id: SU 3101.	group: SU.
	Cultivated. Seed.	
PI 568657	origin: Sudan. other id: SU 3103.	group: SU.
	Cultivated. Seed.	
PI 568658	origin: Sudan. other id: SU 3104.	group: SU.
	Cultivated. Seed.	
PI 568659	origin: Sudan. other id: SU 3106.	group: SU.
	Cultivated. Seed.	
PI 568660	origin: Sudan. other id: SU 3107.	group: SU.
	Cultivated. Seed.	
PI 568661	origin: Sudan. other id: SU 3108.	group: SU.
	Cultivated. Seed.	
PI 568662	origin: Sudan. other id: SU 3119.	group: SU.
	Cultivated. Seed.	
PI 568663	origin: Sudan. other id: SU 3126.	group: SU.
	Cultivated. Seed.	
PI 568664	origin: Sudan. other id: SU 3127.	group: SU.
	Cultivated. Seed.	
PI 568665	origin: Sudan. other id: SU 3128.	group: SU.
	Cultivated. Seed.	
PI 568666	origin: Sudan. other id: SU 3129.	group: SU.
	Cultivated. Seed.	
PI 568667	origin: Sudan. other id: SU 3130.	group: SU.
	Cultivated. Seed.	
PI 568668	origin: Sudan. other id: SU 3132.	group: SU.
	Cultivated. Seed.	
PI 568669	origin: Sudan. other id: SU 3133.	group: SU.
	Cultivated. Seed.	
PI 568670	origin: Sudan. other id: SU 3134.	group: SU.
	Cultivated. Seed.	
PI 568671	origin: Sudan. other id: SU 3136.	group: SU.
	Cultivated. Seed.	
PI 568672	origin: Sudan. other id: SU 3138.	group: SU.
	Cultivated. Seed.	

PI 568263 to 568674-continued

PI 568673 **origin:** Sudan. **other id:** SU 3143. **group:** SU.
Cultivated. Seed.

PI 568674 **origin:** Sudan. **other id:** SU 3144. **group:** SU.
Cultivated. Seed.

PI 568675 to 568779. *Sorghum bicolor* (L.) Moench POACEAE *Sorghum*

Donated by: Kenga, R., Institute of Agronomic Research, Agronomic Research Center, B.P. 33, Maroua, Cameroon. **remarks:** Special purpose "muskwari" sorghums selected for use in Northern Cameroon as transplant types for dry season. Received through G. Ejeta, Purdue University, Dept. of Agronomy, West Lafayette, Indiana. Received June 03, 1993.

PI 568675 **donor id:** MRV-11. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568676 **donor id:** MRV-22. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568677 **donor id:** MRV-27. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568678 **donor id:** MRV-28. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568679 **donor id:** MRV-29-1. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568680 **donor id:** MRV-31. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568681 **donor id:** MRV-31-1. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568682 **donor id:** MRV-32. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568683 **donor id:** MRV-33. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568684 **donor id:** MRV-34. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568685 **donor id:** MRV-35. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568686 **donor id:** MRV-36. **origin:** Cameroon. Annual.
Cultivated. Seed.

PI 568675 to 568779-continued

PI 568687	donor id: MRV-37.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568688	donor id: MRV-38.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568689	donor id: MRV-39.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568690	donor id: MRV-40.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568691	donor id: MRV-40a.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568692	donor id: MRV-41.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568693	donor id: MRV-45.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568694	donor id: MRV-46.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568695	donor id: MRV-50.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568696	donor id: MRV-51.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568697	donor id: MRV-52.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568698	donor id: MRV-54.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568699	donor id: MRV-55.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568700	donor id: MRV-56.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568701	donor id: MRV-56-1.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568702	donor id: MRV-57-1.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	
PI 568703	donor id: MRV-58.	origin: Cameroon.	Annual.
	Cultivated.	Seed.	

PI 568675 to 568779-continued

PI 568704	donor id: MRV-59. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568705	donor id: MRV-60. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568706	donor id: MRV-61. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568707	donor id: MRV-62. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568708	donor id: MRV-63. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568709	donor id: MRV-64. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568710	donor id: MRV-65. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568711	donor id: MRV-72. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568712	donor id: MRV-88. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568713	donor id: MRV-91. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568714	donor id: MRV-99. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568715	donor id: MRV-103. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568716	donor id: MRV-104. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568717	donor id: MRV-106. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568718	donor id: MRV-107. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568719	donor id: MRV-108. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568720	donor id: MRV-109. Cultivated. Seed.	origin: Cameroon.	Annual.

PI 568675 to 568779-continued

PI 568721	donor id: MRV-110. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568722	donor id: MRV-111. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568723	donor id: MRV-112. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568724	donor id: MRV-113. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568725	donor id: MRV-114. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568726	donor id: MRV-115. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568727	donor id: MRV-117. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568728	donor id: MRV-118. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568729	donor id: MRV-119. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568730	donor id: MRV-120. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568731	donor id: MRV-122. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568732	donor id: MRV-125. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568733	donor id: MRV-126. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568734	donor id: MRV-129. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568735	donor id: MRV-130. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568736	donor id: MRV-131. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568737	donor id: MRV-132. Cultivated. Seed.	origin: Cameroon.	Annual.

PI 568675 to 568779-continued

PI 568738	donor id: MRV-133. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568739	donor id: MRV-134. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568740	donor id: MRV-137. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568741	donor id: MRV-141. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568742	donor id: MRV-143. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568743	donor id: MRV-145. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568744	donor id: MRV-146. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568745	donor id: MRV-147. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568746	donor id: MRV-148. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568747	donor id: MRV-150. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568748	donor id: MRV-151. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568749	donor id: MRV-154. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568750	donor id: MRV-155. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568751	donor id: MRV-157. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568752	donor id: MRV-160. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568753	donor id: MRV-161. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568754	donor id: MRV-163. Cultivated. Seed.	origin: Cameroon.	Annual.

PI 568675 to 568779-continued

PI 568755	donor id: MRV-164. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568756	donor id: MRV-165. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568757	donor id: MRV-168. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568758	donor id: MRV-169. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568759	donor id: MRV-170. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568760	donor id: MRV-171. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568761	donor id: MRV-172. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568762	donor id: MRV-173. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568763	donor id: MRV-174. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568764	donor id: MRV-175. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568765	donor id: MRV-176. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568766	donor id: MRV-178. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568767	donor id: MRV-180. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568768	donor id: MRV-185. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568769	donor id: MRV-187. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568770	donor id: MRV-190. Cultivated. Seed.	origin: Cameroon.	Annual.
PI 568771	donor id: MRV-191. Cultivated. Seed.	origin: Cameroon.	Annual.

PI 568675 to 568779-continued

- PI 568772 donor id: MRV-192. origin: Cameroon. Annual.
Cultivated. Seed.
- PI 568773 donor id: MRV-193. origin: Cameroon. Annual.
Cultivated. Seed.
- PI 568774 donor id: MRV-195. origin: Cameroon. Annual.
Cultivated. Seed.
- PI 568775 donor id: MRV-196. origin: Cameroon. Annual.
Cultivated. Seed.
- PI 568776 donor id: MRV-197. origin: Cameroon. Annual.
Cultivated. Seed.
- PI 568777 donor id: MRV-198. origin: Cameroon. Annual.
Cultivated. Seed.
- PI 568778 donor id: MRV-200. origin: Cameroon. Annual.
Cultivated. Seed.
- PI 568779 donor id: MRV-201. origin: Cameroon. Annual.
Cultivated. Seed.

PI 568780 to 568881. *Carthamus tinctorius* L. ASTERACEAE Safflower

Donated by: Li, Dajue, Beijing Botanical Garden, Institute of Botany, Chinese Academy of Sciences, Xiangshan, Beijing, China.
Received February 24, 1991.

- PI 568780 donor id: BJ-5. origin: China. other id: W6 6628.
group: W6. Annual. Cultivated. Seed.
- PI 568781 donor id: BJ-6. origin: China. other id: W6 6629.
group: W6. Annual. Cultivated. Seed.
- PI 568782 donor id: BJ-16. origin: China. other id: W6 6630.
group: W6. Annual. Cultivated. Seed.
- PI 568783 donor id: BJ-23. origin: China. other id: W6 6631.
group: W6. Annual. Cultivated. Seed.
- PI 568784 donor id: BJ-24. origin: China. other id: W6 6632.
group: W6. Annual. Cultivated. Seed.
- PI 568785 donor id: BJ-28. origin: China. other id: W6 6633.
group: W6. Annual. Cultivated. Seed.
- PI 568786 donor id: BJ-46. origin: China. other id: W6 6634.
group: W6. Annual. Cultivated. Seed.

PI 568780 to 568881-continued

PI 568787	donor id: BJ-48. origin: China. group: W6. Annual. Cultivated.	other id: W6 6635. Seed.
PI 568788	donor id: BJ-50. origin: China. group: W6. Annual. Cultivated.	other id: W6 6636. Seed.
PI 568789	donor id: BJ-57. origin: China. group: W6. Annual. Cultivated.	other id: W6 6637. Seed.
PI 568790	donor id: BJ-61. origin: China. group: W6. Annual. Cultivated.	other id: W6 6638. Seed.
PI 568791	donor id: BJ-63. origin: China. group: W6. Annual. Cultivated.	other id: W6 6639. Seed.
PI 568792	donor id: BJ-105. origin: China. group: W6. Annual. Cultivated.	other id: W6 6640. Seed.
PI 568793	donor id: BJ-106. origin: China. group: W6. Annual. Cultivated.	other id: W6 6641. Seed.
PI 568794	donor id: BJ-107. origin: China. group: W6. Annual. Cultivated.	other id: W6 6642. Seed.
PI 568795	donor id: BJ-108. origin: China. group: W6. Annual. Cultivated.	other id: W6 6643. Seed.
PI 568796	donor id: BJ-109. origin: China. group: W6. Annual. Cultivated.	other id: W6 6644. Seed.
PI 568797	donor id: BJ-130. origin: China. group: W6. Annual. Cultivated.	other id: W6 6645. Seed.
PI 568798	origin: China. group: W6. Annual. Cultivated.	other id: W6 6646. Seed.
PI 568799	donor id: BJ-135. origin: China. group: W6. Annual. Cultivated.	other id: W6 6647. Seed.
PI 568800	donor id: BJ-136. origin: China. group: W6. Annual. Cultivated.	other id: W6 6648. Seed.
PI 568801	donor id: BJ-137. origin: China. group: W6. Annual. Cultivated.	other id: W6 6649. Seed.
PI 568802	origin: China. group: W6. Annual. Cultivated.	other id: W6 6650. Seed.
PI 568803	donor id: BJ-140. origin: China. group: W6. Annual. Cultivated.	other id: W6 6651. Seed.

PI 568780 to 568881-continued

PI 568804 origin: China. other id: W6 6652. group: W6. Annual.
Cultivated. Seed.

PI 568805 donor id: BJ-147. origin: China. other id: W6 6653.
group: W6. Annual. Cultivated. Seed.

PI 568806 donor id: BJ-148. origin: China. other id: W6 6654.
group: W6. Annual. Cultivated. Seed.

PI 568807 donor id: BJ-156. origin: China. other id: W6 6656.
group: W6. Annual. Cultivated. Seed.

PI 568808 donor id: BJ-158. origin: China. other id: W6 6657.
group: W6. Annual. Cultivated. Seed.

PI 568809 donor id: BJ-160. origin: China. other id: W6 6658.
group: W6. Annual. Cultivated. Seed.

PI 568810 donor id: BJ-172. origin: China. other id: W6 6659.
group: W6. Annual. Cultivated. Seed.

PI 568811 donor id: BJ-175. origin: China. other id: W6 6660.
group: W6. Annual. Cultivated. Seed.

PI 568812 donor id: BJ-178. origin: China. other id: W6 6661.
group: W6. Annual. Cultivated. Seed.

PI 568813 donor id: BJ-179. origin: China. other id: W6 6662.
group: W6. Annual. Cultivated. Seed.

PI 568814 donor id: BJ-181. origin: China. other id: W6 6663.
group: W6. Annual. Cultivated. Seed.

PI 568815 donor id: BJ-185. origin: China. other id: W6 6664.
group: W6. Annual. Cultivated. Seed.

PI 568816 donor id: BJ-186. origin: China. other id: W6 6665.
group: W6. Annual. Cultivated. Seed.

PI 568817 donor id: BJ-188. origin: China. other id: W6 6666.
group: W6. Annual. Cultivated. Seed.

PI 568818 donor id: BJ-190. origin: China. other id: W6 6667.
group: W6. Annual. Cultivated. Seed.

PI 568819 donor id: BJ-191. origin: China. other id: W6 6668.
group: W6. Annual. Cultivated. Seed.

PI 568820 donor id: BJ-192. origin: China. other id: W6 6669.
group: W6. Annual. Cultivated. Seed.

PI 568780 to 568881-continued

PI 568821	donor id: BJ-193.	origin: China.	other id: W6 6670.
	group: W6.	Annual.	Cultivated. Seed.
PI 568822	donor id: BJ-195.	origin: China.	other id: W6 6671.
	group: W6.	Annual.	Cultivated. Seed.
PI 568823	donor id: BJ-202.	origin: China.	other id: W6 6672.
	group: W6.	Annual.	Cultivated. Seed.
PI 568824	donor id: BJ-217.	origin: China.	other id: W6 6673.
	group: W6.	Annual.	Cultivated. Seed.
PI 568825	donor id: BJ-218.	origin: China.	other id: W6 6674.
	group: W6.	Annual.	Cultivated. Seed.
PI 568826	donor id: BJ-221.	origin: China.	other id: W6 6675.
	group: W6.	Annual.	Cultivated. Seed.
PI 568827	donor id: BJ-230.	origin: China.	other id: W6 6676.
	group: W6.	Annual.	Cultivated. Seed.
PI 568828	donor id: BJ-236.	origin: China.	other id: W6 6677.
	group: W6.	Annual.	Cultivated. Seed.
PI 568829	donor id: BJ-241.	origin: China.	other id: W6 6678.
	group: W6.	Annual.	Cultivated. Seed.
PI 568830	donor id: BJ-248.	origin: China.	other id: W6 6679.
	group: W6.	Annual.	Cultivated. Seed.
PI 568831	donor id: BJ-250.	origin: China.	other id: W6 6680.
	group: W6.	Annual.	Cultivated. Seed.
PI 568832	donor id: BJ-251.	origin: China.	other id: W6 6681.
	group: W6.	Annual.	Cultivated. Seed.
PI 568833	donor id: BJ-298.	origin: China.	other id: W6 6682.
	group: W6.	Annual.	Cultivated. Seed.
PI 568834	donor id: BJ-300.	origin: China.	other id: W6 6683.
	group: W6.	Annual.	Cultivated. Seed.
PI 568835	donor id: BJ-319.	origin: China.	other id: W6 6685.
	group: W6.	Annual.	Cultivated. Seed.
PI 568836	donor id: BJ-328.	origin: China.	other id: W6 6686.
	group: W6.	Annual.	Cultivated. Seed.
PI 568837	donor id: BJ-329.	origin: China.	other id: W6 6687.
	group: W6.	Annual.	Cultivated. Seed.

PI 568780 to 568881-continued

PI 568838 **donor id:** BJ-330. **origin:** China. **other id:** W6 6688.
group: W6. Annual. Cultivated. Seed.

PI 568839 **donor id:** BJ-333. **origin:** China. **other id:** W6 6689.
group: W6. Annual. Cultivated. Seed.

PI 568840 **donor id:** BJ-334. **origin:** China. **other id:** W6 6690.
group: W6. Annual. Cultivated. Seed.

PI 568841 **donor id:** BJ-335. **origin:** China. **other id:** W6 6691.
group: W6. Annual. Cultivated. Seed.

PI 568842 **donor id:** BJ-336. **origin:** China. **other id:** W6 6692.
group: W6. Annual. Cultivated. Seed.

PI 568843 **donor id:** BJ-339. **origin:** China. **other id:** W6 6693.
group: W6. Annual. Cultivated. Seed.

PI 568844 **donor id:** BJ-343. **origin:** China. **other id:** W6 6694.
group: W6. Annual. Cultivated. Seed.

PI 568845 **donor id:** BJ-345. **origin:** China. **other id:** W6 6695.
group: W6. Annual. Cultivated. Seed.

PI 568846 **donor id:** BJ-347. **origin:** China. **other id:** W6 6696.
group: W6. Annual. Cultivated. Seed.

PI 568847 **donor id:** BJ-354. **origin:** China. **other id:** W6 6698.
group: W6. Annual. Cultivated. Seed.

PI 568848 **origin:** China. **other id:** W6 6699. **group:** W6. Annual.
Cultivated. Seed.

PI 568849 **donor id:** BJ-380. **origin:** China. **other id:** W6 6701.
group: W6. Annual. Cultivated. Seed.

PI 568850 **donor id:** BJ-381. **origin:** China. **other id:** W6 6702.
group: W6. Annual. Cultivated. Seed.

PI 568851 **origin:** China. **other id:** W6 6704. **group:** W6. Annual.
Cultivated. Seed.

PI 568852 **origin:** China. **other id:** W6 6706. **group:** W6. Annual.
Cultivated. Seed.

PI 568853 **donor id:** BJ-474. **origin:** China. **other id:** W6 6707.
group: W6. Annual. Cultivated. Seed.

PI 568854 **donor id:** BJ-476. **origin:** China. **other id:** W6 6708.
group: W6. Annual. Cultivated. Seed.

PI 568780 to 568881-continued

PI 568855 donor id: BJ-494. origin: China. other id: W6 6710.
group: W6. Annual. Cultivated. Seed.

PI 568856 donor id: BJ-497. origin: China. other id: W6 6711.
group: W6. Annual. Cultivated. Seed.

PI 568857 donor id: BJ-507. origin: China. other id: W6 6712.
group: W6. Annual. Cultivated. Seed.

PI 568858 donor id: BJ-508. origin: China. other id: W6 6713.
group: W6. Annual. Cultivated. Seed.

PI 568859 donor id: BJ-515. origin: China. other id: W6 6714.
group: W6. Annual. Cultivated. Seed.

PI 568860 donor id: BJ-516. origin: China. other id: W6 6715.
group: W6. Annual. Cultivated. Seed.

PI 568861 origin: China. other id: W6 6716. group: W6. Annual.
Cultivated. Seed.

PI 568862 origin: China. other id: W6 6718. group: W6. Annual.
Cultivated. Seed.

PI 568863 donor id: BJ-645. origin: China. other id: W6 6719.
group: W6. Annual. Cultivated. Seed.

PI 568864 donor id: BJ-647. origin: China. other id: W6 6720.
group: W6. Annual. Cultivated. Seed.

PI 568865 donor id: BJ-650. origin: China. other id: W6 6721.
group: W6. Annual. Cultivated. Seed.

PI 568866 donor id: BJ-651. origin: China. other id: W6 6722.
group: W6. Annual. Cultivated. Seed.

PI 568867 donor id: BJ-2244. origin: China. other id: W6 6725.
group: W6. Annual. Cultivated. Seed.

PI 568868 donor id: BJ-2245. origin: China. other id: W6 6726.
group: W6. Annual. Cultivated. Seed.

PI 568869 donor id: BJ-2246. origin: China. other id: W6 6727.
group: W6. Annual. Cultivated. Seed.

PI 568870 origin: China. other id: W6 6728. group: W6. Annual.
Cultivated. Seed.

PI 568871 origin: China. other id: W6 6729. group: W6. Annual.
Cultivated. Seed.

PI 568780 to 568881-continued

- PI 568872 **donor id:** BJ-2270. **origin:** China. **other id:** W6 6731.
group: W6. Annual. Cultivated. Seed.
- PI 568873 **origin:** China. **other id:** W6 6732. **group:** W6. Annual.
Cultivated. Seed.
- PI 568874 **donor id:** BJ-2272. **origin:** China. **other id:** W6 6733.
group: W6. Annual. Cultivated. Seed.
- PI 568875 **donor id:** BJ-2273. **origin:** China. **other id:** W6 6734.
group: W6. Annual. Cultivated. Seed.
- PI 568876 **donor id:** BJ-2275. **origin:** China. **other id:** W6 6735.
group: W6. Annual. Cultivated. Seed.
- PI 568877 **donor id:** BJ-2277. **origin:** China. **other id:** W6 6736.
group: W6. Annual. Cultivated. Seed.
- PI 568878 **origin:** China. **other id:** W6 6737. **group:** W6. Annual.
Cultivated. Seed.
- PI 568879 **donor id:** BJ-2286. **origin:** China. **other id:** W6 6738.
group: W6. Annual. Cultivated. Seed.
- PI 568880 **donor id:** BJ-2287. **origin:** China. **other id:** W6 6739.
group: W6. Annual. Cultivated. Seed.
- PI 568881 **donor id:** BJ-2290. **origin:** China. **other id:** W6 6741.
group: W6. Annual. Cultivated. Seed.

PI 568882. *Allium sativum* L. var. *sativum* LILIACEAE Garlic

Donated by: Jacobson, A., Pullman, Washington 99163, United States.
Received November 05, 1992.

origin: United States. **other id:** W6 11048. **group:** W6.
remarks: White, softneck type. Grown for generations in
the Jacobson family. Cultivated. Bulbs.

PI 568883 to 568884. *Dactylis glomerata* L. POACEAE

Donated by: White, G.A., USDA-ARS, National Germplasm Resources
Lab., Beltsville, Maryland 20705, United States. **remarks:**
Collected in conjunction with the 1989 field trip to the Altai
Mountains as part of the US-USSR Botanical Exchange Program.
Received September 28, 1989.

PI 568883 to 568884-continued

PI 568883 **donor id:** 89USSR-5. **origin:** Russian Federation.
collected: July 10, 1989. **collector:** G.A. White.
collector id: 89USSR-5. **other id:** W6 1939. **group:** W6.
locality: Roadside near bus stop, just east of junction
of Hwy M53 and road to Zonal, road marker 320 km.
remarks: Associated plants pigweed, lambsquarter, and a
viny weed. Wild. Seed.

PI 568884 **origin:** Russian Federation. **collected:** July 15, 1989.
collector: G.A. White. **collector id:** 89USSR-50. **other**
id: W6 1940. **group:** W6. **locality:** Roadside, km 400.
Wild. Seed.

PI 568885. *Elymus* sp. POACEAE

Donated by: White, G.A., USDA-ARS, National Germplasm Resources
Lab., Beltsville, Maryland 20705, United States. **remarks:**
Collected in conjunction with the 1989 field trip to the Altai
Mountains as part of the US-USSR Botanical Exchange Program.
Received September 28, 1989.

origin: Russian Federation. **collected:** July 14, 1989.
collector: G.A. White. **collector id:** 89USSR-36. **other**
id: W6 1941. **group:** W6. **locality:** Meadow slightly above
campsite near second power pole, across Chouya River from
main road, 6km above Jodro village, 739 km. Wild. Seed.

PI 568886. *Melica* sp. POACEAE

Donated by: White, G.A., USDA-ARS, National Germplasm Resources Lab,
Beltsville, Maryland 20705, United States. **remarks:** Collected in
conjunction with the 1989 field trip to the Altai Mountains as part
of the US-USSR Botanical Exchange Program. Received September 28,
1989.

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Melica ciliata L. POACEAE
origin: Russian Federation. **collected:** July 14, 1989.
collector: G.A. White. **collector id:** 89USSR-39. **other**
id: W6 1943. **group:** W6. **locality:** Meadow slightly above
campsite near second power pole, across Chouya River from
main road, 6km above Jodro village, 739 km. Wild. Seed.

PI 568887. *Melica transsilvanica* Schur POACEAE

Donated by: White, G.A., USDA-ARS, National Germplasm Resources
Lab., Beltsville, Maryland 20705, United States. **remarks:**
Collected in conjunction with the 1989 field trip to the Altai
Mountains as part of the US-USSR Botanical Exchange Program.
Received September 28, 1989.

origin: Russian Federation. **collected:** July 14, 1989.
collector: G.A. White. **collector id:** 89USSR-30. **other id:** W6 1944. **group:** W6. **locality:** At base of high schist cliffs near Petroglifi, 726 km. **remarks:** Plants concentrated in small population, Heads mature. Wild. Seed.

PI 568888. *Stipa sibirica* (L.) Lam. POACEAE

Donated by: White, G.A., USDA-ARS, National Germplasm Resources Lab., Beltsville, Maryland 20705, United States. **remarks:** Collected in conjunction with the 1989 field trip to the Altai Mountains as part of the US-USSR Botanical Exchange Program. Received September 28, 1989.

origin: Russian Federation. **collected:** July 14, 1989.
collector: G.A. White. **collector id:** 89USSR-44. **other id:** W6 1945. **group:** W6. **locality:** Meadow slightly above campsite near second power pole, across Chouya River from main road, 6km above Jodro village, 739 km. Wild. Seed.

PI 568889. *Astragalus cicer* L. FABACEAE Cicer milkvetch

Donated by: Townsend, C.E., Agricultural Research Service -- USDA, Crops Research Lab., Fort Collins, Colorado 80526, United States; and Colorado Agr. Exp. Sta.; and Wyoming Agr. Exp. Sta.. **remarks:** Windsor Cicer Milkvetch. Received June 07, 1993.

origin: United States. **developed:** C.E. Townsend. **origin institute:** Agricultural Research Service -- USDA, Crops Research Lab., 1701 Center Avenue, Fort Collins, Colorado 80526 United States. **cultivar:** WINDSOR. **pedigree:** 15-clone synthetic derived by two cycles of recurrent selection for plant height and forage yield. Traces to a population of Monarch. **other id:** W6 12114. **group:** W6. **other id:** CV-109. **source:** Crop Sci. 34(1):309 1994. **group:** CSR-OTHER LEGUMES. **other id:** PVP 9300294. **source:** Pending. **group:** PVPO. **restricted:** CSR. **patent:** PVPO. **remarks:** Improved plant height and forage yield due to absence of a dormancy-type response to the decreasing photoperiods of mid- to late summer. Mean plant weight for the polycross progenies of the 15 clones was 120, 117, 118, and 119% of Monarch for the first, second, and third harvests and for total yield, respectively. Mean extended plant height for the progenies was 109, 114, and 120% of Monarch for the first, second, and third harvests, respectively. Seed weight of the parental clones range from 3.55 to 4.59 g/1000 seeds with a mean of 3.99g, or 96% of that of Monarch. Perennial. Cultivar. Seed.

PI 568890. *Oryza sativa* L. POACEAE Long-grain rice

Donated by: Gravois, K.A., Arkansas Agr. Exp. Sta., Univ. of Arkansas Rice Res. & Ext. Ctr., Stuttgart, Arkansas 72160, United States; and Agricultural Research Service -- USDA. **remarks:** ADAIR RICE. Received June 07, 1993.

origin: United States. **developed:** K.A. Gravois, K.A.K. Moldenhauer, F.N. Lee, R.J. Norman, R. S. Helms, B.R. Wells, R.H. Dilday, P.C. Rohman, M.M. Blocker. **origin institute:** Arkansas Agr. Exp. Sta., Univ. of Arkansas Rice Res. & Ext. Ctr., P.O. Box 351, Stuttgart, Arkansas 72160 United States. **origin institute id:** RU9001007. **cultivar:** ADAIR. **pedigree:** L201/RU7402003. **other id:** CV-95. **group:** CSR-RICE. **restricted:** CSR. **remarks:** Long grain rice cultivar that matures in approx. 115 days. Plants approx. 107cm tall with erect flag leaves. Lemma, palea, and leaf blades glabrous. Grains large and may have colorless or purple apiculi at maturity. Hulls straw colored, seed coat light brown. Moderately susceptible to rice blast (*Pyricularia grisea*) and moderately tolerant to sheath blight (*Rhizoctonia solani*). Spring Annual. Cultivar. Seed.

PI 568891. *Oryza sativa* L. POACEAE Rice

Donated by: Moldenhauer, K.A.K., Arkansas Agr. Exp. Sta., Univ. of Arkansas Rice Res. & Ext. Ctr., Stuttgart, Arkansas 72160, United States; and Agricultural Research Service -- USDA. **remarks:** LAGRUE RICE. Received June 07, 1993.

origin: United States. **developed:** K.A.K. Moldenhauer, K.A. Gravois, F.N. Lee, R.J. Norman, B. R. Wells, R.S. Helms, R.H. Dilday, P.C. Rohman, M.M. Blocker. **origin institute:** Arkansas Agr. Exp. Sta., Univ. of Arkansas Rice Res. & Ext. Ctr., P.O. Box 351, Stuttgart, Arkansas 72160 United States. **origin institute id:** RU9001096. **cultivar:** LAGRUE. **pedigree:** Bonnet 73/Nova 76//Bonnet 73/3/Newrex. **other id:** CV-96. **group:** CSR-RICE. **restricted:** CSR. **remarks:** High yielding, long grain rice cultivar approx. 108cm in height and matures in approx. 123 days. Plants dark green with erect flag leaves. Lemma, palea, and leaf blades glabrous. Grains have straw colored hulls, light brown seed coats, and colorless to straw colored apiculi and awns up to 2.5cm on the lemma at maturity. Milling yields approx. 60% whole kernels; 71% total milled. Susceptible to *Pyricularia grisea* and moderately susceptible to *Rhizoctonia solani*. Spring Annual. Cultivar. Seed.

PI 568892 to 568912. *Solanum acaule* Bitter SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

- PI 568892 donor id: 002. origin: Bolivia. collected: March 21, 1978. collector: C.M. Ochoa. collector id: Och 11986. other id: Q 29758. locality: Aviles. Paso De Patanca 10km NE Copacabana. elevation: 3780m. Annual. Wild. Seed.
- PI 568893 donor id: 003. origin: Bolivia. collected: March 1978. collector: C.M. Ochoa. collector id: Och 12033. other id: Q 29759. locality: Cercado. Machacamarca between Oruro and Patacamayo. elevation: 3700m. Annual. Wild. Seed.
- PI 568894 donor id: 007. origin: Bolivia. collected: February 24, 1984. collector: C.M. Ochoa. collector id: Och 15519. other id: Q 29760. locality: Inquisivi. Huanaccota between Quime and Tres Cruces. elevation: 4000m. Annual. Wild. Seed.
- PI 568895 donor id: 008. origin: Peru. collector: C.M. Ochoa. collector id: Och 13531-A. other id: Q 29761. Annual. Wild. Seed.
- PI 568896 donor id: 010. origin: Peru. collector: C.M. Ochoa. collector id: Och 13821. other id: Q 29762. Annual. Wild. Seed.
- PI 568897 donor id: 111. origin: Peru. collector: C.M. Ochoa. collector id: Och 13819. other id: Q 29763. Annual. Wild. Seed.
- PI 568898 donor id: 015. origin: Peru. collector: C.M. Ochoa. collector id: Och 14304. other id: Q 29764. Annual. Wild. Seed.
- PI 568899 donor id: 016. origin: Peru. collector: C.M. Ochoa. collector id: Och 14307. other id: Q 29765. Annual. Wild. Seed.
- PI 568900 donor id: 026. origin: Peru. collector: C.M. Ochoa. collector id: Och 15093. other id: Q 29766. Annual. Wild. Seed.
- PI 568901 donor id: 027. origin: Peru. collector: C.M. Ochoa. collector id: Och 15153. other id: Q 29767. Annual. Wild. Seed.

PI 568892 to 568912-continued

- PI 568902 donor id: 029. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15604. other id: Q 29768. Annual.
Wild. Seed.
- PI 568903 donor id: 030. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15730. other id: Q 29769. Annual.
Wild. Seed.
- PI 568904 donor id: 031. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15818. other id: Q 29770. Annual.
Wild. Seed.
- PI 568905 donor id: 032. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15829. other id: Q 29771. Annual.
Wild. Seed.
- PI 568906 donor id: 033. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15834. other id: Q 29772. Annual.
Wild. Seed.
- PI 568907 donor id: 110. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13175. other id: Q 29839. Annual.
Wild. Seed.
- PI 568908 donor id: 112. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13823. other id: Q 29840. Annual.
Wild. Seed.
- PI 568909 donor id: 115. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13873. other id: Q 29841. Annual.
Wild. Seed.
- PI 568910 donor id: 117. origin: Peru. collector: C.M. Ochoa.
collector id: Och 14932. other id: Q 29842. Annual.
Wild. Seed.
- PI 568911 donor id: 118. origin: Bolivia. collected: February
1983. collector: C.M. Ochoa. collector id: Och 14953.
other id: Q 29843. locality: Franz Tamayo. Viscachani
3km from Huaylapuquio to Pelechuco. elevation: 4000m.
Annual. Wild. Seed.
- PI 568912 donor id: 119. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15092. other id: Q 29844. Annual.
Wild. Seed.

PI 568913. *Solanum alandiae* Cardenas SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station,
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235,
United States. Received March 15, 1993.

PI 568913-continued

donor id: 034. origin: Bolivia. collected: March 25, 1978. collector: C.M. Ochoa. collector id: Och 12012. other id: Q 29773. locality: Mizque. Encima De La Hoyada on road Aiquile-Totora. elevation: 2300m. Annual. Wild. Seed.

PI 568914 to 568915. *Solanum albicans* (Ochoa) Ochoa SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

PI 568914 donor id: 035. origin: Peru. collector: C.M. Ochoa. collector id: Och 11842. other id: Q 29774. Annual. Wild. Seed.

PI 568915 donor id: 036. origin: Peru. collector: C.M. Ochoa. collector id: Och 14789. other id: Q 29775. Annual. Wild. Seed.

PI 568916 to 568917. *Solanum ambosinum* Ochoa SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

PI 568916 donor id: 037. origin: Peru. collector: C.M. Ochoa. collector id: Och 14557. other id: Q 29776. Annual. Wild. Seed.

PI 568917 donor id: 038. origin: Peru. collector: C.M. Ochoa. collector id: Och 14603. other id: Q 29777. Annual. Wild. Seed.

PI 568918 to 568920. *Solanum berthaultii* Hawkes SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

PI 568918 donor id: 039. origin: Bolivia. collected: March 25, 1978. collector: C.M. Ochoa. collector id: Och 12008. other id: Q 29778. locality: Mizque. Palcca 3km W Palcca and 14km SSW of Aiquile. elevation: 2400m. Annual. Wild. Seed.

PI 568918 to 568920-continued

PI 568919 **donor id:** 040. **origin:** Bolivia. **collected:** March 30, 1978. **collector:** C.M. Ochoa. **collector id:** Och 12029. **other id:** Q 29779. **locality:** Cercado. Near Cerveceria Taquina near Cochabamba. **elevation:** 2820m. Annual. Wild. Seed.

PI 568920 **donor id:** 041. **origin:** Bolivia. **collected:** February 29, 1984. **collector:** C.M. Ochoa. **collector id:** Och 15565. **other id:** Q 29780. **locality:** Manuel M. Caballero. Aguadilla near the merge of Cochabamba Santa Cruz road to Pulquina. **elevation:** 1800m. Annual. Wild. Seed.

PI 568921. *Solanum boliviense* Dunal SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

donor id: 042. **origin:** Bolivia. **collected:** March 16, 1978. **collector:** C.M. Ochoa. **collector id:** Och 11954. **other id:** Q 29781. **locality:** Sud Cinti. Vecindades Ingahuasi. **elevation:** 3120m. Annual. Wild. Seed.

PI 568922. *Solanum buesii* Vargas SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

donor id: 044. **origin:** Peru. **collector:** C.M. Ochoa. **collector id:** Och 13637. **other id:** Q 29782. Annual. Wild. Seed.

PI 568923. *Solanum etuberosum* Lindley SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

donor id: 045. **origin:** Mexico. **collector:** C.M. Ochoa. **collector id:** Och 14195. **other id:** Q 29783. Annual. Wild. Seed.

PI 568924 to 568967. *Solanum bukasovii* Juz. ex Rybin SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

PI 568924 to 568967-continued

- PI 568924 donor id: 046. origin: Peru. collector: C.M. Ochoa.
collector id: Och 10115. other id: Q 29784. Annual.
Wild. Seed.
- PI 568925 donor id: 047. origin: Peru. collector: C.M. Ochoa.
collector id: Och 10876. other id: Q 29785. Annual.
Wild. Seed.
- PI 568926 donor id: 048. origin: Peru. collector: C.M. Ochoa.
collector id: Och 11293. other id: Q 29786. Annual.
Wild. Seed.
- PI 568927 donor id: 049. origin: Peru. collector: C.M. Ochoa.
collector id: Och 11330. other id: Q 29787. Annual.
Wild. Seed.
- PI 568928 donor id: 050. origin: Peru. collector: C.M. Ochoa.
collector id: Och 11850. other id: Q 29788. Annual.
Wild. Seed.
- PI 568929 donor id: 051. origin: Peru. collector: C.M. Ochoa.
collector id: Och 12042. other id: Q 29789. Annual.
Wild. Seed.
- PI 568930 donor id: 052. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13115. other id: Q 29790. Annual.
Wild. Seed.
- PI 568931 donor id: 053. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13163. other id: Q 29791. Annual.
Wild. Seed.
- PI 568932 donor id: 054. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13191. other id: Q 29792. Annual.
Wild. Seed.
- PI 568933 donor id: 055. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13543. other id: Q 29793. Annual.
Wild. Seed.
- PI 568934 donor id: 056. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13558. other id: Q 29794. Annual.
Wild. Seed.
- PI 568935 donor id: 057. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13670. other id: Q 29795. Annual.
Wild. Seed.
- PI 568936 donor id: 058. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13680. other id: Q 29796. Annual.
Wild. Seed.

PI 568924 to 568967-continued

- PI 568937 donor id: 059. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13681. other id: Q 29797. Annual.
Wild. Seed.
- PI 568938 donor id: 061. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13725. other id: Q 29798. Annual.
Wild. Seed.
- PI 568939 donor id: 062. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13730. other id: Q 29799. Annual.
Wild. Seed.
- PI 568940 donor id: 064. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13795. other id: Q 29801. Annual.
Wild. Seed.
- PI 568941 donor id: 065. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13811. other id: Q 29802. Annual.
Wild. Seed.
- PI 568942 donor id: 066. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13814. other id: Q 29803. Annual.
Wild. Seed.
- PI 568943 donor id: 067. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13815. other id: Q 29804. Annual.
Wild. Seed.
- PI 568944 donor id: 068. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13859. other id: Q 29805. Annual.
Wild. Seed.
- PI 568945 donor id: 070. origin: Peru. collector: C.M. Ochoa.
collector id: Och 14355. other id: Q 29806. Annual.
Wild. Seed.
- PI 568946 donor id: 072. origin: Peru. collector: C.M. Ochoa.
collector id: Och 14376. other id: Q 29807. Annual.
Wild. Seed.
- PI 568947 donor id: 074. origin: Peru. collector: C.M. Ochoa.
collector id: Och 14654. other id: Q 29808. Annual.
Wild. Seed.
- PI 568948 donor id: 075. origin: Peru. collector: C.M. Ochoa.
collector id: Och 14704. other id: Q 29809. Annual.
Wild. Seed.
- PI 568949 donor id: 077. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15076. other id: Q 29810. Annual.
Wild. Seed.

PI 568924 to 568967-continued

- PI 568950 donor id: 078. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15150. other id: Q 29811. Annual.
Wild. Seed.
- PI 568951 donor id: 079. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15201. other id: Q 29812. Annual.
Wild. Seed.
- PI 568952 donor id: 080. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15304. other id: Q 29813. Annual.
Wild. Seed.
- PI 568953 donor id: 081. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15312. other id: Q 29814. Annual.
Wild. Seed.
- PI 568954 donor id: 082. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15625. other id: Q 29815. Annual.
Wild. Seed.
- PI 568955 donor id: 083. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15695. other id: Q 29816. Annual.
Wild. Seed.
- PI 568956 donor id: 084. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15826. other id: Q 29817. Annual.
Wild. Seed.
- PI 568957 donor id: 085. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15831. other id: Q 29818. Annual.
Wild. Seed.
- PI 568958 donor id: 120. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13169. other id: Q 29845. Annual.
Wild. Seed.
- PI 568959 donor id: 121. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13729. other id: Q 29846. Annual.
Wild. Seed.
- PI 568960 donor id: 122. origin: Peru. collector: C.M. Ochoa.
collector id: Och 13814-A. other id: Q 29847. Annual.
Wild. Seed.
- PI 568961 donor id: 123. origin: Peru. collector: C.M. Ochoa.
collector id: Och 14352. other id: Q 29848. Annual.
Wild. Seed.
- PI 568962 donor id: 124. origin: Peru. collector: C.M. Ochoa.
collector id: Och 14375. other id: Q 29849. Annual.
Wild. Seed.

PI 568924 to 568967-continued

PI 568963 donor id: 125. origin: Peru. collector: C.M. Ochoa.
collector id: Och 14404. other id: Q 29850. Annual.
Wild. Seed.

PI 568964 donor id: 126. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15198. other id: Q 29851. Annual.
Wild. Seed.

PI 568965 donor id: 127. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15203. other id: Q 29852. Annual.
Wild. Seed.

PI 568966 donor id: 128. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15311. other id: Q 29853. Annual.
Wild. Seed.

PI 568967 donor id: 129. origin: Peru. collector: C.M. Ochoa.
collector id: Och 15313. other id: Q 29854. Annual.
Wild. Seed.

PI 568968. *Solanum stoloniferum* Schldl. & Bouche SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station,
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235,
United States. Received March 15, 1993.

donor id: 086. origin: Bolivia. collected: February 28,
1984. collector: C.M. Ochoa. collector id: Och 15543.
other id: Q 29819. locality: Valle Grande. El Cruce
approximately 40km from Valle Grande on road to Pucara.
elevation: 2700m. Annual. Wild. Seed.

PI 568969. *Solanum candolleanum* Berthault SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station,
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235,
United States. Received March 15, 1993.

donor id: 087. origin: Bolivia. collected: December
1977. collector: C.M. Ochoa. collector id: Och 11814.
other id: Q 29820. locality: Larecaja. Cemetery of
Tacacoma. elevation: 3600m. Annual. Wild. Seed.

PI 568970 to 568972. *Solanum chacoense* Bitter SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station,
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235,
United States. Received March 15, 1993.

PI 568970 to 568972-continued

- PI 568970 **donor id:** 089. **origin:** Paraguay. **collector:** C.M. Ochoa.
 collector id: Och 15263. **other id:** Q 29821. Annual.
 Wild. Seed.
- PI 568971 **donor id:** 090. **origin:** Paraguay. **collector:** C.M. Ochoa.
 collector id: Och 15264. **other id:** Q 29822. Annual.
 Wild. Seed.
- PI 568972 **donor id:** 091. **origin:** Paraguay. **collector:** C.M. Ochoa.
 collector id: Och 15265. **other id:** Q 29823. Annual.
 Wild. Seed.

PI 568973 to 568979. *Solanum chomatophilum* Bitter SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station,
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235,
United States. Received March 15, 1993.

- PI 568973 **donor id:** 092. **origin:** Peru. **collector:** C.M. Ochoa.
 collector id: Och 13196. **other id:** Q 29824. Annual.
 Wild. Seed.
- PI 568974 **donor id:** 093. **origin:** Peru. **collector:** C.M. Ochoa.
 collector id: Och 13332. **other id:** Q 29825. Annual.
 Wild. Seed.
- PI 568975 **donor id:** 094. **origin:** Peru. **collector:** C.M. Ochoa.
 collector id: Och 14787. **other id:** Q 29826. Annual.
 Wild. Seed.
- PI 568976 **donor id:** 095. **origin:** Peru. **collector:** C.M. Ochoa.
 collector id: Och 14824. **other id:** Q 29827. Annual.
 Wild. Seed.
- PI 568977 **donor id:** 096. **origin:** Peru. **collector:** C.M. Ochoa.
 collector id: Och 15195. **other id:** Q 29828. Annual.
 Wild. Seed.
- PI 568978 **donor id:** 097. **origin:** Peru. **collector:** C.M. Ochoa.
 collector id: Och 15258. **other id:** Q 29829. Annual.
 Wild. Seed.
- PI 568979 **donor id:** 098. **origin:** Peru. **collector:** C.M. Ochoa.
 collector id: Och 15302. **other id:** Q 29830. Annual.
 Wild. Seed.

PI 568980. *Solanum circaeifolium* Bitter SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

donor id: 099. **origin:** Bolivia. **collected:** March 1972. **collector:** C.M. Ochoa. **collector id:** Och 11909. **other id:** Q 29831. **locality:** Larecaja. Atahualpani near Sorata. **elevation:** 2700m. Annual. Wild. Seed.

PI 568981. *Solanum fendleri* A. Gray SOLANACEAE

Donated by: Bamberg, John, USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

origin: Mexico. **collector:** C.M. Ochoa. **collector id:** Och 14203. **other id:** Q 29832. Annual. Wild. Seed.

PI 568982. *Solanum gandarillasii* Cardenas SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

donor id: 101. **origin:** Bolivia. **collected:** March 25, 1978. **collector:** C.M. Ochoa. **collector id:** Och 12010. **other id:** Q 29833. **locality:** Mizque. Huara Huara near Ichu Ttirana. **elevation:** 2200m. Annual. Wild. Seed.

PI 568983 to 568984. *Solanum infundibuliforme* Philippi SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

PI 568983 **donor id:** 102. **origin:** Bolivia. **collector:** C.M. Ochoa. **collector id:** Och 11941. **other id:** Q 29834. **locality:** Cerca A Mollepunco. **elevation:** 3880m. Annual. Wild. Seed.

PI 568984 **donor id:** 103. **origin:** Bolivia. **collected:** March 14, 1978. **collector:** C.M. Ochoa. **collector id:** Och 11942. **other id:** Q 29835. **locality:** Linares. Near Mollepunco on road from Potosi to Camargo. **elevation:** 3880m. Annual. Wild. Seed.

PI 568985. *Solanum irosinum* Ochoa SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station,
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235,
United States. Received March 15, 1993.

donor id: 104. **origin:** Peru. **collector:** C.M. Ochoa.
collector id: Och 11646. **other id:** Q 29836. Annual.
Wild. Seed.

PI 568986. *Solanum megistacrolobum* Bitter SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station,
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235,
United States. Received March 15, 1993.

donor id: 106. **origin:** Bolivia. **collected:** March 21,
1978. **collector:** C.M. Ochoa. **collector id:** Och 11987.
other id: Q 29838. **locality:** Aviles. Punas De Patanca,
10km NE of Copacabana. **elevation:** 3780m. Annual. Wild.
Seed.

PI 568987 to 570607. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Omer, Hilu, Sorghum & Millet Research, Agric. Res.
Corporation, P.O. Box 126, Wad Medani, Sudan. Received June 10,
1993.

PI 568987 **origin:** Sudan. **origin institute id:** IS 922. **cultivar:**
FETERITA ABDELMAGID. **other id:** SU 4. **group:** SU. **other**
id: FC 4694. Cultivated. Seed.

PI 568988 **origin:** Sudan. **origin institute id:** IS 925. **cultivar:**
ACHAR. **other id:** SU 6. **group:** SU. **other id:** FC 4722.
Cultivated. Seed.

PI 568989 **origin:** Sudan. **origin institute id:** IS 929. **cultivar:**
HEGARI MACKWAR. **other id:** SU 10. **group:** SU. **other id:**
FC 4606. Cultivated. Seed.

PI 568990 **origin:** Sudan. **origin institute id:** IS 938. **cultivar:**
NYOR DOK. **other id:** SU 16. **group:** SU. **other id:** FC
4554. Cultivated. Seed.

PI 568991 **origin:** Sudan. **origin institute id:** IS 2315. **cultivar:**
AKLAMOI RED. **other id:** SU 71. **group:** SU. **other id:**
Q2-3-20. **locality:** Wad Medani. Cultivated. Seed.

PI 568992 **origin:** Sudan. **origin institute id:** IS 2337. **cultivar:**
KEIFALLAH. **other id:** SU 92. **group:** SU. **other id:**
Q2-2-92. **locality:** Wad Medani. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 568993 origin: Sudan. origin institute id: IS 3473. cultivar: DINDRAWI. other id: SU 152. group: SU. Cultivated. Seed.
- PI 568994 origin: Sudan. origin institute id: IS 3504. cultivar: KELILI. other id: SU 179. group: SU. other id: 242. locality: Tozi. Cultivated. Seed.
- PI 568995 origin: Sudan. origin institute id: IS 3519. cultivar: LAMBAO. other id: SU 191. group: SU. other id: 534. locality: Tozi. Cultivated. Seed.
- PI 568996 origin: Sudan. origin institute id: IS 3520. cultivar: LIGALO. other id: SU 192. group: SU. other id: 580. locality: Tozi. Cultivated. Seed.
- PI 568997 origin: Sudan. origin institute id: IS 3564. cultivar: WAD AKR 2. other id: SU 229. group: SU. Cultivated. Seed.
- PI 568998 origin: Sudan. origin institute id: IS 3583. cultivar: AKLAMOI RED. other id: SU 245. group: SU. Cultivated. Seed.
- PI 568999 origin: Sudan. origin institute id: IS 3597. cultivar: HAMAI SI KAMLIN. other id: SU 255. group: SU. other id: 37. locality: Tozi. Cultivated. Seed.
- PI 569000 origin: Sudan. origin institute id: IS 3747. cultivar: MAYIOU. other id: SU 263. group: SU. other id: 165. Cultivated. Seed.
- PI 569001 origin: Sudan. origin institute id: IS 6937. cultivar: WAS AKR 1. other id: SU 304. group: SU. other id: 175. Cultivated. Seed.
- PI 569002 origin: Sudan. origin institute id: IS 9677. cultivar: ALNET. other id: SU 529. group: SU. locality: Gezira Research Station. Cultivated. Seed.
- PI 569003 origin: Sudan. origin institute id: IS 9777. cultivar: NYAN BAU. other id: SU 624. group: SU. locality: Gezira Research Station. Cultivated. Seed.
- PI 569004 origin: Sudan. origin institute id: IS 9906. other id: SU 740. group: SU. other id: A 218. locality: Gezira Research Station. Cultivated. Seed.
- PI 569005 origin: Sudan. origin institute id: IS 12467. other id: SU 834. group: SU. Cultivated. Seed.

PI 568987 to 570607-continued

PI 569006 **origin:** Sudan. **origin institute id:** IS 14448. **other id:** SU 855. **group:** SU. Cultivated. Seed.

PI 569007 **origin:** Sudan. **origin institute id:** IS 14449. **other id:** SU 856. **group:** SU. Cultivated. Seed.

PI 569008 **origin:** Sudan. **origin institute id:** IS 14454. **other id:** SU 857. **group:** SU. Cultivated. Seed.

PI 569009 **origin:** Sudan. **origin institute id:** IS 14463. **other id:** SU 860. **group:** SU. Cultivated. Seed.

PI 569010 **origin:** Sudan. **origin institute id:** IS 14465. **other id:** SU 862. **group:** SU. Cultivated. Seed.

PI 569011 **origin:** Sudan. **origin institute id:** IS 14481. **other id:** SU 869. **group:** SU. Cultivated. Seed.

PI 569012 **origin:** Sudan. **origin institute id:** IS 14567. **other id:** SU 870. **group:** SU. Cultivated. Seed.

PI 569013 **origin:** Sudan. **origin institute id:** IS 14471. **other id:** SU 871. **group:** SU. Cultivated. Seed.

PI 569014 **origin:** Sudan. **origin institute id:** IS 18539. **cultivar:** NUBANAZAD. **other id:** SU 872. **group:** SU. Cultivated. Seed.

PI 569015 **origin:** Sudan. **origin institute id:** IS 18991. **other id:** SU 873. **group:** SU. **other id:** WM 10001. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569016 **origin:** Sudan. **origin institute id:** IS 18992. **other id:** SU 874. **group:** SU. **other id:** WM 10002. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569017 **origin:** Sudan. **origin institute id:** IS 18993. **other id:** SU 875. **group:** SU. **other id:** WM 10003. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569018 **origin:** Sudan. **origin institute id:** IS 18994. **other id:** SU 876. **group:** SU. **other id:** WM 10004. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569019 **origin:** Sudan. **origin institute id:** IS 18995. **other id:** SU 877. **group:** SU. **other id:** WM 10005. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569020 **origin:** Sudan. **origin institute id:** IS 18996. **other id:** SU 878. **group:** SU. **other id:** WM 10007. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569021 **origin:** Sudan. **origin institute id:** IS 18997. **other id:** SU 879. **group:** SU. **other id:** WM 10008. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569022 **origin:** Sudan. **origin institute id:** IS 18998. **other id:** SU 880. **group:** SU. **other id:** WM 10010. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569023 **origin:** Sudan. **origin institute id:** IS 18999. **other id:** SU 881. **group:** SU. **other id:** WM 10011. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569024 **origin:** Sudan. **origin institute id:** IS 19000. **other id:** SU 882. **group:** SU. **other id:** WM 10012. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569025 **origin:** Sudan. **origin institute id:** IS 19001. **other id:** SU 883. **group:** SU. **other id:** WM 10013. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569026 **origin:** Sudan. **origin institute id:** IS 19002. **other id:** SU 884. **group:** SU. **other id:** WM 10014. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569027 **origin:** Sudan. **origin institute id:** IS 19003. **other id:** SU 885. **group:** SU. **other id:** WM 10015. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569028 **origin:** Sudan. **origin institute id:** IS 19004. **other id:** SU 886. **group:** SU. **other id:** WM 10018. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569029 **origin:** Sudan. **origin institute id:** IS 19005. **other id:** SU 887. **group:** SU. **other id:** WM 10019. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569030 **origin:** Sudan. **origin institute id:** IS 19006. **other id:** SU 888. **group:** SU. **other id:** WM 10021. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569031 **origin:** Sudan. **origin institute id:** IS 19007. **other id:** SU 889. **group:** SU. **other id:** WM 10023. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569032 **origin:** Sudan. **origin institute id:** IS 19008. **other id:** SU 890. **group:** SU. **other id:** WM 10024. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569033 **origin:** Sudan. **origin institute id:** IS 19009. **other id:** SU 891. **group:** SU. **other id:** WM 10025. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

PI 569034 origin: Sudan. origin institute id: IS 19010. other id: SU 892. group: SU. other id: WM 10026. locality: Gezira Research Station. Cultivated. Seed.

PI 569035 origin: Sudan. origin institute id: IS 19011. other id: SU 893. group: SU. other id: WM 10027. locality: Gezira Research Station. Cultivated. Seed.

PI 569036 origin: Sudan. origin institute id: IS 19012. other id: SU 894. group: SU. other id: WM 10028. locality: Gezira Research Station. Cultivated. Seed.

PI 569037 origin: Sudan. origin institute id: IS 19013. other id: SU 895. group: SU. other id: WM 10029. locality: Gezira Research Station. Cultivated. Seed.

PI 569038 origin: Sudan. origin institute id: IS 19014. other id: SU 896. group: SU. other id: WM 10031. locality: Gezira Research Station. Cultivated. Seed.

PI 569039 origin: Sudan. origin institute id: IS 19015. other id: SU 897. group: SU. other id: WM 10032. locality: Gezira Research Station. Cultivated. Seed.

PI 569040 origin: Sudan. origin institute id: IS 19016. other id: SU 898. group: SU. other id: WM 10033. locality: Gezira Research Station. Cultivated. Seed.

PI 569041 origin: Sudan. origin institute id: IS 19017. other id: SU 899. group: SU. other id: WM 10034. locality: Gezira Research Station. Cultivated. Seed.

PI 569042 origin: Sudan. origin institute id: IS 19018. other id: SU 900. group: SU. other id: WM 10035. locality: Gezira Research Station. Cultivated. Seed.

PI 569043 origin: Sudan. origin institute id: IS 19019. other id: SU 901. group: SU. other id: WM 10036. locality: Gezira Research Station. Cultivated. Seed.

PI 569044 origin: Sudan. origin institute id: IS 19020. other id: SU 902. group: SU. other id: WM 10037. locality: Gezira Research Station. Cultivated. Seed.

PI 569045 origin: Sudan. origin institute id: IS 19021. other id: SU 903. group: SU. other id: WM 10040. locality: Gezira Research Station. Cultivated. Seed.

PI 569046 origin: Sudan. origin institute id: IS 19022. other id: SU 904. group: SU. other id: WM 10041. locality: Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569047 **origin:** Sudan. **origin institute id:** IS 19023. **other id:** SU 905. **group:** SU. **other id:** WM 10042. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569048 **origin:** Sudan. **origin institute id:** IS 19024. **other id:** SU 906. **group:** SU. **other id:** WM 10043. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569049 **origin:** Sudan. **origin institute id:** IS 19025. **other id:** SU 907. **group:** SU. **other id:** WM 10044. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569050 **origin:** Sudan. **origin institute id:** IS 19026. **other id:** SU 908. **group:** SU. **other id:** WM 10045. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569051 **origin:** Sudan. **origin institute id:** IS 19027. **other id:** SU 909. **group:** SU. **other id:** WM 10046. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569052 **origin:** Sudan. **origin institute id:** IS 19028. **other id:** SU 910. **group:** SU. **other id:** WM 10047. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569053 **origin:** Sudan. **origin institute id:** IS 19029. **other id:** SU 911. **group:** SU. **other id:** WM 10048. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569054 **origin:** Sudan. **origin institute id:** IS 19030. **other id:** SU 912. **group:** SU. **other id:** WM 10049. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569055 **origin:** Sudan. **origin institute id:** IS 19031. **other id:** SU 913. **group:** SU. **other id:** WM 10050. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569056 **origin:** Sudan. **origin institute id:** IS 19032. **other id:** SU 914. **group:** SU. **other id:** WM 10051. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569057 **origin:** Sudan. **origin institute id:** IS 19033. **other id:** SU 915. **group:** SU. **other id:** WM 10052. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569058 **origin:** Sudan. **origin institute id:** IS 19034. **other id:** SU 916. **group:** SU. **other id:** WM 10053. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569059 **origin:** Sudan. **origin institute id:** IS 19035. **other id:** SU 917. **group:** SU. **other id:** WM 10054. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

PI 569060 **origin:** Sudan. **origin institute id:** IS 19036. **other id:** SU 918. **group:** SU. **other id:** WM 10055. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569061 **origin:** Sudan. **origin institute id:** IS 19037. **other id:** SU 919. **group:** SU. **other id:** WM 10056. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569062 **origin:** Sudan. **origin institute id:** IS 19038. **other id:** SU 920. **group:** SU. **other id:** WM 10057. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569063 **origin:** Sudan. **origin institute id:** IS 19039. **other id:** SU 921. **group:** SU. **other id:** WM 10058. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569064 **origin:** Sudan. **origin institute id:** IS 19040. **other id:** SU 922. **group:** SU. **other id:** WM 10062. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569065 **origin:** Sudan. **origin institute id:** IS 19041. **other id:** SU 923. **group:** SU. **other id:** WM 10064. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569066 **origin:** Sudan. **origin institute id:** IS 19042. **other id:** SU 924. **group:** SU. **other id:** WM 10065. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569067 **origin:** Sudan. **origin institute id:** IS 19043. **other id:** SU 925. **group:** SU. **other id:** WM 10067. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569068 **origin:** Sudan. **origin institute id:** IS 19044. **other id:** SU 926. **group:** SU. **other id:** WM 10068. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569069 **origin:** Sudan. **origin institute id:** IS 19045. **other id:** SU 927. **group:** SU. **other id:** WM 10073. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569070 **origin:** Sudan. **origin institute id:** IS 19046. **other id:** SU 928. **group:** SU. **other id:** WM 10074. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569071 **origin:** Sudan. **origin institute id:** IS 19047. **other id:** SU 929. **group:** SU. **other id:** WM 10076. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569072 **origin:** Sudan. **origin institute id:** IS 19048. **other id:** SU 930. **group:** SU. **other id:** WM 10078. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569073 **origin:** Sudan. **origin institute id:** IS 19049. **other id:** SU 931. **group:** SU. **other id:** WM 10081. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569074 **origin:** Sudan. **origin institute id:** IS 19050. **other id:** SU 932. **group:** SU. **other id:** WM 10088. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569075 **origin:** Sudan. **origin institute id:** IS 19051. **other id:** SU 933. **group:** SU. **other id:** WM 10090. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569076 **origin:** Sudan. **origin institute id:** IS 19052. **other id:** SU 934. **group:** SU. **other id:** WM 10092. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569077 **origin:** Sudan. **origin institute id:** IS 19053. **other id:** SU 935. **group:** SU. **other id:** WM 10093. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569078 **origin:** Sudan. **origin institute id:** IS 19054. **other id:** SU 936. **group:** SU. **other id:** WM 10094. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569079 **origin:** Sudan. **origin institute id:** IS 19055. **other id:** SU 937. **group:** SU. **other id:** WM 10095. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569080 **origin:** Sudan. **origin institute id:** IS 19056. **other id:** SU 938. **group:** SU. **other id:** WM 10096. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569081 **origin:** Sudan. **origin institute id:** IS 19057. **other id:** SU 939. **group:** SU. **other id:** WM 10098. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569082 **origin:** Sudan. **origin institute id:** IS 19058. **other id:** SU 940. **group:** SU. **other id:** WM 10100. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569083 **origin:** Sudan. **origin institute id:** IS 19059. **other id:** SU 941. **group:** SU. **other id:** WM 10101. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569084 **origin:** Sudan. **origin institute id:** IS 19060. **other id:** SU 942. **group:** SU. **other id:** WM 10102. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569085 **origin:** Sudan. **origin institute id:** IS 19061. **other id:** SU 943. **group:** SU. **other id:** WM 10103. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569086 **origin:** Sudan. **origin institute id:** IS 19062. **other id:** SU 944. **group:** SU. **other id:** WM 10105. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569087 **origin:** Sudan. **origin institute id:** IS 19063. **other id:** SU 945. **group:** SU. **other id:** WM 10107. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569088 **origin:** Sudan. **origin institute id:** IS 19064. **other id:** SU 946. **group:** SU. **other id:** WM 10109. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569089 **origin:** Sudan. **origin institute id:** IS 19065. **other id:** SU 947. **group:** SU. **other id:** WM 10111. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569090 **origin:** Sudan. **origin institute id:** IS 19066. **other id:** SU 948. **group:** SU. **other id:** WM 10115. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569091 **origin:** Sudan. **origin institute id:** IS 19067. **other id:** SU 949. **group:** SU. **other id:** WM 10116. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569092 **origin:** Sudan. **origin institute id:** IS 19068. **other id:** SU 950. **group:** SU. **other id:** WM 10117. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569093 **origin:** Sudan. **origin institute id:** IS 19069. **other id:** SU 951. **group:** SU. **other id:** WM 10118. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569094 **origin:** Sudan. **origin institute id:** IS 19070. **other id:** SU 952. **group:** SU. **other id:** WM 10119. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569095 **origin:** Sudan. **origin institute id:** IS 19071. **other id:** SU 953. **group:** SU. **other id:** WM 10120. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569096 **origin:** Sudan. **origin institute id:** IS 19072. **other id:** SU 954. **group:** SU. **other id:** WM 10122. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569097 **origin:** Sudan. **origin institute id:** IS 19073. **other id:** SU 955. **group:** SU. **other id:** WM 10125. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569098 **origin:** Sudan. **origin institute id:** IS 19074. **other id:** SU 956. **group:** SU. **other id:** WM 10127. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

PI 569099 **origin:** Sudan. **origin institute id:** IS 19075. **other id:** SU 957. **group:** SU. **other id:** WM 10131. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569100 **origin:** Sudan. **origin institute id:** IS 19076. **other id:** SU 958. **group:** SU. **other id:** WM 10132. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569101 **origin:** Sudan. **origin institute id:** IS 19077. **other id:** SU 959. **group:** SU. **other id:** WM 10133. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569102 **origin:** Sudan. **origin institute id:** IS 19078. **other id:** SU 960. **group:** SU. **other id:** WM 10135. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569103 **origin:** Sudan. **origin institute id:** IS 19079. **other id:** SU 961. **group:** SU. **other id:** WM 10136. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569104 **origin:** Sudan. **origin institute id:** IS 19080. **other id:** SU 962. **group:** SU. **other id:** WM 10137. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569105 **origin:** Sudan. **origin institute id:** IS 19081. **other id:** SU 963. **group:** SU. **other id:** WM 10140. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569106 **origin:** Sudan. **origin institute id:** IS 19082. **other id:** SU 964. **group:** SU. **other id:** WM 10141. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569107 **origin:** Sudan. **origin institute id:** IS 19083. **other id:** SU 965. **group:** SU. **other id:** WM 10142. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569108 **origin:** Sudan. **origin institute id:** IS 19084. **other id:** SU 966. **group:** SU. **other id:** WM 10143. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569109 **origin:** Sudan. **origin institute id:** IS 19085. **other id:** SU 967. **group:** SU. **other id:** WM 10144. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569110 **origin:** Sudan. **origin institute id:** IS 19086. **other id:** SU 968. **group:** SU. **other id:** WM 10147. **locality:** Gezira Research Station. Cultivated. Seed.

PI 569111 **origin:** Sudan. **origin institute id:** IS 19087. **other id:** SU 969. **group:** SU. **other id:** WM 10148. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569112 **origin:** Sudan. **origin institute id:** IS 19088. **other id:** SU 970. **group:** SU. **other id:** WM 10152. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569113 **origin:** Sudan. **origin institute id:** IS 19089. **other id:** SU 971. **group:** SU. **other id:** WM 10155. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569114 **origin:** Sudan. **origin institute id:** IS 19090. **other id:** SU 972. **group:** SU. **other id:** WM 10157. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569115 **origin:** Sudan. **origin institute id:** IS 19091. **other id:** SU 973. **group:** SU. **other id:** WM 10158. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569116 **origin:** Sudan. **origin institute id:** IS 19092. **other id:** SU 974. **group:** SU. **other id:** WM 10162. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569117 **origin:** Sudan. **origin institute id:** IS 19093. **other id:** SU 975. **group:** SU. **other id:** WM 10163. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569118 **origin:** Sudan. **origin institute id:** IS 19094. **other id:** SU 976. **group:** SU. **other id:** WM 10164. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569119 **origin:** Sudan. **origin institute id:** IS 19095. **other id:** SU 977. **group:** SU. **other id:** WM 10165. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569120 **origin:** Sudan. **origin institute id:** IS 19096. **other id:** SU 978. **group:** SU. **other id:** WM 10168. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569121 **origin:** Sudan. **origin institute id:** IS 19097. **other id:** SU 979. **group:** SU. **other id:** WM 10170. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569122 **origin:** Sudan. **origin institute id:** IS 19098. **other id:** SU 980. **group:** SU. **other id:** WM 10171. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569123 **origin:** Sudan. **origin institute id:** IS 19099. **other id:** SU 981. **group:** SU. **other id:** WM 10172. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569124 **origin:** Sudan. **origin institute id:** IS 19100. **other id:** SU 982. **group:** SU. **other id:** WM 10173. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569125 **origin:** Sudan. **origin institute id:** IS 19101. **other id:** SU 983. **group:** SU. **other id:** WM 10180. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569126 **origin:** Sudan. **origin institute id:** IS 19102. **other id:** SU 984. **group:** SU. **other id:** WM 10181. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569127 **origin:** Sudan. **origin institute id:** IS 19103. **other id:** SU 985. **group:** SU. **other id:** WM 10185. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569128 **origin:** Sudan. **origin institute id:** IS 19104. **other id:** SU 986. **group:** SU. **other id:** WM 10189. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569129 **origin:** Sudan. **origin institute id:** IS 19105. **other id:** SU 987. **group:** SU. **other id:** WM 10191. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569130 **origin:** Sudan. **origin institute id:** IS 19106. **other id:** SU 988. **group:** SU. **other id:** WM 10192. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569131 **origin:** Sudan. **origin institute id:** IS 19107. **other id:** SU 989. **group:** SU. **other id:** WM 10193. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569132 **origin:** Sudan. **origin institute id:** IS 19108. **other id:** SU 990. **group:** SU. **other id:** WM 10201. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569133 **origin:** Sudan. **origin institute id:** IS 19109. **other id:** SU 991. **group:** SU. **other id:** WM 10202. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569134 **origin:** Sudan. **origin institute id:** IS 19110. **other id:** SU 992. **group:** SU. **other id:** WM 10204. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569135 **origin:** Sudan. **origin institute id:** IS 19111. **other id:** SU 993. **group:** SU. **other id:** WM 10206. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569136 **origin:** Sudan. **origin institute id:** IS 19112. **other id:** SU 994. **group:** SU. **other id:** WM 10207. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569137 **origin:** Sudan. **origin institute id:** IS 19113. **other id:** SU 995. **group:** SU. **other id:** WM 10208. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569138 origin: Sudan. origin institute id: IS 19114. other id: SU 996. group: SU. other id: WM 10209. locality: Gezira Research Station. Cultivated. Seed.
- PI 569139 origin: Sudan. origin institute id: IS 19115. other id: SU 997. group: SU. other id: WM 10210. locality: Gezira Research Station. Cultivated. Seed.
- PI 569140 origin: Sudan. origin institute id: IS 19116. other id: SU 998. group: SU. other id: WM 10211. locality: Gezira Research Station. Cultivated. Seed.
- PI 569141 origin: Sudan. origin institute id: IS 19117. other id: SU 999. group: SU. other id: WM 10214. locality: Gezira Research Station. Cultivated. Seed.
- PI 569142 origin: Sudan. origin institute id: IS 19118. other id: SU 1000. group: SU. other id: WM 10215. locality: Gezira Research Station. Cultivated. Seed.
- PI 569143 origin: Sudan. origin institute id: IS 19119. other id: SU 1001. group: SU. other id: WM 10216. locality: Gezira Research Station. Cultivated. Seed.
- PI 569144 origin: Sudan. origin institute id: IS 19120. other id: SU 1002. group: SU. other id: WM 10217. locality: Gezira Research Station. Cultivated. Seed.
- PI 569145 origin: Sudan. origin institute id: IS 19121. other id: SU 1003. group: SU. other id: WM 10218. locality: Gezira Research Station. Cultivated. Seed.
- PI 569146 origin: Sudan. origin institute id: IS 19122. other id: SU 1004. group: SU. other id: WM 10220. locality: Gezira Research Station. Cultivated. Seed.
- PI 569147 origin: Sudan. origin institute id: IS 19123. other id: SU 1005. group: SU. other id: WM 10223. locality: Gezira Research Station. Cultivated. Seed.
- PI 569148 origin: Sudan. origin institute id: IS 19124. other id: SU 1006. group: SU. other id: WM 10231. locality: Gezira Research Station. Cultivated. Seed.
- PI 569149 origin: Sudan. origin institute id: IS 19125. other id: SU 1007. group: SU. other id: WM 10232. locality: Gezira Research Station. Cultivated. Seed.
- PI 569150 origin: Sudan. origin institute id: IS 19126. other id: SU 1008. group: SU. other id: WM 10233. locality: Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569151 origin: Sudan. origin institute id: IS 19127. other id: SU 1009. group: SU. other id: WM 10247. locality: Gezira Research Station. Cultivated. Seed.
- PI 569152 origin: Sudan. origin institute id: IS 19128. other id: SU 1010. group: SU. other id: WM 10249. locality: Gezira Research Station. Cultivated. Seed.
- PI 569153 origin: Sudan. origin institute id: IS 19129. other id: SU 1011. group: SU. other id: WM 10258. locality: Gezira Research Station. Cultivated. Seed.
- PI 569154 origin: Sudan. origin institute id: IS 19130. other id: SU 1012. group: SU. other id: WM 10259. locality: Gezira Research Station. Cultivated. Seed.
- PI 569155 origin: Sudan. origin institute id: IS 19131. other id: SU 1013. group: SU. other id: WM 10260. locality: Gezira Research Station. Cultivated. Seed.
- PI 569156 origin: Sudan. origin institute id: IS 19132. other id: SU 1014. group: SU. other id: WM 10261. locality: Gezira Research Station. Cultivated. Seed.
- PI 569157 origin: Sudan. origin institute id: IS 19133. other id: SU 1015. group: SU. other id: WM 10263. locality: Gezira Research Station. Cultivated. Seed.
- PI 569158 origin: Sudan. origin institute id: IS 19134. other id: SU 1016. group: SU. other id: WM 10264. locality: Gezira Research Station. Cultivated. Seed.
- PI 569159 origin: Sudan. origin institute id: IS 19135. other id: SU 1017. group: SU. other id: WM 10265. locality: Gezira Research Station. Cultivated. Seed.
- PI 569160 origin: Sudan. origin institute id: IS 19136. other id: SU 1018. group: SU. other id: WM 10266. locality: Gezira Research Station. Cultivated. Seed.
- PI 569161 origin: Sudan. origin institute id: IS 19137. other id: SU 1019. group: SU. other id: WM 10267. locality: Gezira Research Station. Cultivated. Seed.
- PI 569162 origin: Sudan. origin institute id: IS 19138. other id: SU 1020. group: SU. other id: WM 10268. locality: Gezira Research Station. Cultivated. Seed.
- PI 569163 origin: Sudan. origin institute id: IS 19139. other id: SU 1021. group: SU. other id: WM 10271. locality: Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569164 **origin:** Sudan. **origin institute id:** IS 19140. **other id:** SU 1022. **group:** SU. **other id:** WM 10272. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569165 **origin:** Sudan. **origin institute id:** IS 19141. **other id:** SU 1023. **group:** SU. **other id:** WM 10275. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569166 **origin:** Sudan. **origin institute id:** IS 19142. **other id:** SU 1024. **group:** SU. **other id:** WM 10276. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569167 **origin:** Sudan. **origin institute id:** IS 19143. **other id:** SU 1025. **group:** SU. **other id:** WM 10277. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569168 **origin:** Sudan. **origin institute id:** IS 19144. **other id:** SU 1026. **group:** SU. **other id:** WM 10279. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569169 **origin:** Sudan. **origin institute id:** IS 19145. **other id:** SU 1027. **group:** SU. **other id:** WM 10282. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569170 **origin:** Sudan. **origin institute id:** IS 19146. **other id:** SU 1028. **group:** SU. **other id:** WM 10287. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569171 **origin:** Sudan. **origin institute id:** IS 19147. **other id:** SU 1029. **group:** SU. **other id:** WM 10297. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569172 **origin:** Sudan. **origin institute id:** IS 19148. **other id:** SU 1030. **group:** SU. **other id:** WM 10305. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569173 **origin:** Sudan. **origin institute id:** IS 19149. **other id:** SU 1031. **group:** SU. **other id:** WM 10308. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569174 **origin:** Sudan. **origin institute id:** IS 19150. **other id:** SU 1032. **group:** SU. **other id:** WM 10310. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569175 **origin:** Sudan. **origin institute id:** IS 19151. **other id:** SU 1033. **group:** SU. **other id:** WM 10314. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569176 **origin:** Sudan. **origin institute id:** IS 19152. **other id:** SU 1034. **group:** SU. **other id:** WM 10315. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569177 **origin:** Sudan. **origin institute id:** IS 19153. **other id:** SU 1035. **group:** SU. **other id:** WM 10316. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569178 **origin:** Sudan. **origin institute id:** IS 19154. **other id:** SU 1036. **group:** SU. **other id:** WM 10317. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569179 **origin:** Sudan. **origin institute id:** IS 19155. **other id:** SU 1037. **group:** SU. **other id:** WM 10318. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569180 **origin:** Sudan. **origin institute id:** IS 19157. **other id:** SU 1038. **group:** SU. **other id:** WM 10320. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569181 **origin:** Sudan. **origin institute id:** IS 19158. **other id:** SU 1039. **group:** SU. **other id:** WM 10323. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569182 **origin:** Sudan. **origin institute id:** IS 19159. **other id:** SU 1040. **group:** SU. **other id:** WM 10332. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569183 **origin:** Sudan. **origin institute id:** IS 19160. **other id:** SU 1041. **group:** SU. **other id:** WM 10335. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569184 **origin:** Sudan. **origin institute id:** IS 19161. **other id:** SU 1042. **group:** SU. **other id:** WM 10343. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569185 **origin:** Sudan. **origin institute id:** IS 19162. **other id:** SU 1043. **group:** SU. **other id:** WM 10361. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569186 **origin:** Sudan. **origin institute id:** IS 19163. **other id:** SU 1044. **group:** SU. **other id:** WM 10363. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569187 **origin:** Sudan. **origin institute id:** IS 19164. **other id:** SU 1045. **group:** SU. **other id:** WM 10364. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569188 **origin:** Sudan. **origin institute id:** IS 19165. **other id:** SU 1046. **group:** SU. **other id:** WM 10365. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569189 **origin:** Sudan. **origin institute id:** IS 19166. **other id:** SU 1047. **group:** SU. **other id:** WM 10368. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569190 **origin:** Sudan. **origin institute id:** IS 19167. **other id:** SU 1048. **group:** SU. **other id:** WM 10369. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569191 **origin:** Sudan. **origin institute id:** IS 19168. **other id:** SU 1049. **group:** SU. **other id:** WM 10370. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569192 **origin:** Sudan. **origin institute id:** IS 19169. **other id:** SU 1050. **group:** SU. **other id:** WM 10371. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569193 **origin:** Sudan. **origin institute id:** IS 19170. **other id:** SU 1051. **group:** SU. **other id:** WM 10372. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569194 **origin:** Sudan. **origin institute id:** IS 19171. **other id:** SU 1052. **group:** SU. **other id:** WM 10373. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569195 **origin:** Sudan. **origin institute id:** IS 19172. **other id:** SU 1053. **group:** SU. **other id:** WM 10376. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569196 **origin:** Sudan. **origin institute id:** IS 19173. **other id:** SU 1054. **group:** SU. **other id:** WM 10377. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569197 **origin:** Sudan. **origin institute id:** IS 19174. **other id:** SU 1055. **group:** SU. **other id:** WM 10378. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569198 **origin:** Sudan. **origin institute id:** IS 19175. **other id:** SU 1056. **group:** SU. **other id:** WM 10379. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569199 **origin:** Sudan. **origin institute id:** IS 19176. **other id:** SU 1057. **group:** SU. **other id:** WM 10384. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569200 **origin:** Sudan. **origin institute id:** IS 19177. **other id:** SU 1058. **group:** SU. **other id:** WM 10386. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569201 **origin:** Sudan. **origin institute id:** IS 19178. **other id:** SU 1059. **group:** SU. **other id:** WM 10387. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569202 **origin:** Sudan. **origin institute id:** IS 19179. **other id:** SU 1060. **group:** SU. **other id:** WM 10389. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569203 **origin:** Sudan. **origin institute id:** IS 19180. **other id:** SU 1061. **group:** SU. **other id:** WM 10390. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569204 **origin:** Sudan. **origin institute id:** IS 19181. **other id:** SU 1062. **group:** SU. **other id:** WM 10401. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569205 **origin:** Sudan. **origin institute id:** IS 19182. **other id:** SU 1063. **group:** SU. **other id:** WM 10402. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569206 **origin:** Sudan. **origin institute id:** IS 19183. **other id:** SU 1064. **group:** SU. **other id:** WM 10407. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569207 **origin:** Sudan. **origin institute id:** IS 19184. **other id:** SU 1065. **group:** SU. **other id:** WM 10408. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569208 **origin:** Sudan. **origin institute id:** IS 19185. **other id:** SU 1066. **group:** SU. **other id:** WM 10411. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569209 **origin:** Sudan. **origin institute id:** IS 19186. **other id:** SU 1067. **group:** SU. **other id:** WM 10412. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569210 **origin:** Sudan. **origin institute id:** IS 19187. **other id:** SU 1068. **group:** SU. **other id:** WM 10413. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569211 **origin:** Sudan. **origin institute id:** IS 19188. **other id:** SU 1069. **group:** SU. **other id:** WM 10414. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569212 **origin:** Sudan. **origin institute id:** IS 19189. **other id:** SU 1070. **group:** SU. **other id:** WM 10418. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569213 **origin:** Sudan. **origin institute id:** IS 19190. **other id:** SU 1071. **group:** SU. **other id:** WM 10420. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569214 **origin:** Sudan. **origin institute id:** IS 19191. **other id:** SU 1072. **group:** SU. **other id:** WM 10421. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569215 **origin:** Sudan. **origin institute id:** IS 19192. **other id:** SU 1073. **group:** SU. **other id:** WM 10422. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569216 **origin:** Sudan. **origin institute id:** IS 19193. **other id:** SU 1074. **group:** SU. **other id:** WM 10424. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569217 **origin:** Sudan. **origin institute id:** IS 19194. **other id:** SU 1075. **group:** SU. **other id:** WM 10425. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569218 **origin:** Sudan. **origin institute id:** IS 19195. **other id:** SU 1076. **group:** SU. **other id:** WM 10427. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569219 **origin:** Sudan. **origin institute id:** IS 19196. **other id:** SU 1077. **group:** SU. **other id:** WM 10428. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569220 **origin:** Sudan. **origin institute id:** IS 19197. **other id:** SU 1078. **group:** SU. **other id:** WM 10430. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569221 **origin:** Sudan. **origin institute id:** IS 19198. **other id:** SU 1079. **group:** SU. **other id:** WM 10431. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569222 **origin:** Sudan. **origin institute id:** IS 19199. **other id:** SU 1080. **group:** SU. **other id:** WM 10432. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569223 **origin:** Sudan. **origin institute id:** IS 19200. **other id:** SU 1081. **group:** SU. **other id:** WM 10434. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569224 **origin:** Sudan. **origin institute id:** IS 19201. **other id:** SU 1082. **group:** SU. **other id:** WM 10435. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569225 **origin:** Sudan. **origin institute id:** IS 19202. **other id:** SU 1083. **group:** SU. **other id:** WM 10436. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569226 **origin:** Sudan. **origin institute id:** IS 19203. **other id:** SU 1084. **group:** SU. **other id:** WM 10437. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569227 **origin:** Sudan. **origin institute id:** IS 19204. **other id:** SU 1085. **group:** SU. **other id:** WM 10438. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569228 **origin:** Sudan. **origin institute id:** IS 19205. **other id:** SU 1086. **group:** SU. **other id:** WM 10439. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569229 **origin:** Sudan. **origin institute id:** IS 19206. **other id:** SU 1087. **group:** SU. **other id:** WM 10444. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569230 **origin:** Sudan. **origin institute id:** IS 19207. **other id:** SU 1088. **group:** SU. **other id:** WM 10448. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569231 **origin:** Sudan. **origin institute id:** IS 19208. **other id:** SU 1089. **group:** SU. **other id:** WM 10452. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569232 **origin:** Sudan. **origin institute id:** IS 19209. **other id:** SU 1090. **group:** SU. **other id:** WM 10454. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569233 **origin:** Sudan. **origin institute id:** IS 19210. **other id:** SU 1091. **group:** SU. **other id:** WM 10455. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569234 **origin:** Sudan. **origin institute id:** IS 19211. **other id:** SU 1092. **group:** SU. **other id:** WM 10458. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569235 **origin:** Sudan. **origin institute id:** IS 19212. **other id:** SU 1093. **group:** SU. **other id:** WM 10465. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569236 **origin:** Sudan. **origin institute id:** IS 19213. **other id:** SU 1094. **group:** SU. **other id:** WM 10483. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569237 **origin:** Sudan. **origin institute id:** IS 19214. **other id:** SU 1095. **group:** SU. **other id:** WM 10492. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569238 **origin:** Sudan. **origin institute id:** IS 19215. **other id:** SU 1096. **group:** SU. **other id:** WM 10495. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569239 **origin:** Sudan. **origin institute id:** IS 19216. **other id:** SU 1097. **group:** SU. **other id:** WM 10375. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569240 **origin:** Sudan. **origin institute id:** IS 19217. **other id:** SU 1098. **group:** SU. **other id:** WM 10498. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569241 **origin:** Sudan. **origin institute id:** IS 19218. **other id:** SU 1099. **group:** SU. **other id:** WM 10503. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569242 **origin:** Sudan. **origin institute id:** IS 19219. **other id:** SU 1100. **group:** SU. **other id:** WM 10510. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569243 **origin:** Sudan. **origin institute id:** IS 19220. **other id:** SU 1101. **group:** SU. **other id:** WM 10517. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569244 **origin:** Sudan. **origin institute id:** IS 19221. **other id:** SU 1102. **group:** SU. **other id:** WM 10520. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569245 **origin:** Sudan. **origin institute id:** IS 19222. **other id:** SU 1103. **group:** SU. **other id:** WM 10521. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569246 **origin:** Sudan. **origin institute id:** IS 19223. **other id:** SU 1104. **group:** SU. **other id:** WM 10522. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569247 **origin:** Sudan. **origin institute id:** IS 19225. **other id:** SU 1105. **group:** SU. **other id:** WM 10526. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569248 **origin:** Sudan. **origin institute id:** IS 19226. **other id:** SU 1106. **group:** SU. **other id:** WM 10528. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569249 **origin:** Sudan. **origin institute id:** IS 19227. **other id:** SU 1107. **group:** SU. **other id:** WM 10529. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569250 **origin:** Sudan. **origin institute id:** IS 19228. **other id:** SU 1108. **group:** SU. **other id:** WM 10532. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569251 **origin:** Sudan. **origin institute id:** IS 19229. **other id:** SU 1109. **group:** SU. **other id:** WM 10533. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569252 **origin:** Sudan. **origin institute id:** IS 19230. **other id:** SU 1110. **group:** SU. **other id:** WM 10534. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569253 **origin:** Sudan. **origin institute id:** IS 19231. **other id:** SU 1111. **group:** SU. **other id:** WM 10536. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569254 **origin:** Sudan. **origin institute id:** IS 19232. **other id:** SU 1112. **group:** SU. **other id:** WM 10537. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569255 **origin:** Sudan. **origin institute id:** IS 19233. **other id:** SU 1113. **group:** SU. **other id:** WM 10538. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569256 **origin:** Sudan. **origin institute id:** IS 19234. **other id:** SU 1114. **group:** SU. **other id:** WM 10539. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569257 **origin:** Sudan. **origin institute id:** IS 19235. **other id:** SU 1115. **group:** SU. **other id:** WM 10540. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569258 **origin:** Sudan. **origin institute id:** IS 19236. **other id:** SU 1116. **group:** SU. **other id:** WM 10541. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569259 **origin:** Sudan. **origin institute id:** IS 19237. **other id:** SU 1117. **group:** SU. **other id:** WM 10542. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569260 **origin:** Sudan. **origin institute id:** IS 19238. **other id:** SU 1118. **group:** SU. **other id:** WM 10543. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569261 **origin:** Sudan. **origin institute id:** IS 19239. **other id:** SU 1119. **group:** SU. **other id:** WM 10545. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569262 **origin:** Sudan. **origin institute id:** IS 19240. **other id:** SU 1120. **group:** SU. **other id:** WM 10547. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569263 **origin:** Sudan. **origin institute id:** IS 19241. **other id:** SU 1121. **group:** SU. **other id:** WM 10548. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569264 **origin:** Sudan. **origin institute id:** IS 19242. **other id:** SU 1122. **group:** SU. **other id:** WM 10550. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569265 **origin:** Sudan. **origin institute id:** IS 19243. **other id:** SU 1123. **group:** SU. **other id:** WM 10555. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569266 **origin:** Sudan. **origin institute id:** IS 19244. **other id:** SU 1124. **group:** SU. **other id:** WM 10571. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569267 **origin:** Sudan. **origin institute id:** IS 19245. **other id:** SU 1125. **group:** SU. **other id:** WM 10572. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569268 **origin:** Sudan. **origin institute id:** IS 19246. **other id:** SU 1126. **group:** SU. **other id:** WM 10573. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569269 **origin:** Sudan. **origin institute id:** IS 19247. **other id:** SU 1127. **group:** SU. **other id:** WM 10575. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569270 **origin:** Sudan. **origin institute id:** IS 19248. **other id:** SU 1128. **group:** SU. **other id:** WM 10576. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569271 **origin:** Sudan. **origin institute id:** IS 19249. **other id:** SU 1129. **group:** SU. **other id:** WM 10577. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569272 **origin:** Sudan. **origin institute id:** IS 19250. **other id:** SU 1130. **group:** SU. **other id:** WM 10578. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569273 **origin:** Sudan. **origin institute id:** IS 19251. **other id:** SU 1131. **group:** SU. **other id:** WM 10579. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569274 **origin:** Sudan. **origin institute id:** IS 19252. **other id:** SU 1132. **group:** SU. **other id:** WM 10580. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569275 **origin:** Sudan. **origin institute id:** IS 19253. **other id:** SU 1133. **group:** SU. **other id:** WM 10583. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569276 **origin:** Sudan. **origin institute id:** IS 19254. **other id:** SU 1134. **group:** SU. **other id:** WM 10584. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569277 **origin:** Sudan. **origin institute id:** IS 19255. **other id:** SU 1135. **group:** SU. **other id:** WM 10585. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569278 **origin:** Sudan. **origin institute id:** IS 19256. **other id:** SU 1136. **group:** SU. **other id:** WM 10586. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569279 **origin:** Sudan. **origin institute id:** IS 19257. **other id:** SU 1137. **group:** SU. **other id:** WM 10587. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569280 **origin:** Sudan. **origin institute id:** IS 19258. **other id:** SU 1138. **group:** SU. **other id:** WM 10588. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569281 **origin:** Sudan. **origin institute id:** IS 19259. **other id:** SU 1139. **group:** SU. **other id:** WM 10589. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569282 **origin:** Sudan. **origin institute id:** IS 19260. **other id:** SU 1140. **group:** SU. **other id:** WM 10590. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569283 **origin:** Sudan. **origin institute id:** IS 19261. **other id:** SU 1141. **group:** SU. **other id:** WM 10591. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569284 **origin:** Sudan. **origin institute id:** IS 19262. **other id:** SU 1142. **group:** SU. **other id:** WM 10592. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569285 **origin:** Sudan. **origin institute id:** IS 19263. **other id:** SU 1143. **group:** SU. **other id:** WM 10594. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569286 **origin:** Sudan. **origin institute id:** IS 19264. **other id:** SU 1144. **group:** SU. **other id:** WM 10595. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569287 **origin:** Sudan. **origin institute id:** IS 19265. **other id:** SU 1145. **group:** SU. **other id:** WM 10596. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569288 **origin:** Sudan. **origin institute id:** IS 19266. **other id:** SU 1146. **group:** SU. **other id:** WM 10597. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569289 **origin:** Sudan. **origin institute id:** IS 19267. **other id:** SU 1147. **group:** SU. **other id:** WM 10598. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569290 **origin:** Sudan. **origin institute id:** IS 19268. **other id:** SU 1148. **group:** SU. **other id:** WM 10600. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569291 **origin:** Sudan. **origin institute id:** IS 19269. **other id:** SU 1149. **group:** SU. **other id:** WM 10601. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569292 **origin:** Sudan. **origin institute id:** IS 19270. **other id:** SU 1150. **group:** SU. **other id:** WM 10602. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569293 **origin:** Sudan. **origin institute id:** IS 19271. **other id:** SU 1151. **group:** SU. **other id:** WM 10603. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569294 **origin:** Sudan. **origin institute id:** IS 19272. **other id:** SU 1152. **group:** SU. **other id:** WM 10604. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569295 **origin:** Sudan. **origin institute id:** IS 19273. **other id:** SU 1153. **group:** SU. **other id:** WM 10605. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569296 **origin:** Sudan. **origin institute id:** IS 19274. **other id:** SU 1154. **group:** SU. **other id:** WM 10606. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569297 **origin:** Sudan. **origin institute id:** IS 19275. **other id:** SU 1155. **group:** SU. **other id:** WM 10607. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569298 **origin:** Sudan. **origin institute id:** IS 19276. **other id:** SU 1156. **group:** SU. **other id:** WM 10608. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569299 **origin:** Sudan. **origin institute id:** IS 19277. **other id:** SU 1157. **group:** SU. **other id:** WM 10609. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569300 **origin:** Sudan. **origin institute id:** IS 19278. **other id:** SU 1158. **group:** SU. **other id:** WM 10610. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569301 **origin:** Sudan. **origin institute id:** IS 19279. **other id:** SU 1159. **group:** SU. **other id:** WM 10611. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569302 **origin:** Sudan. **origin institute id:** IS 19280. **other id:** SU 1160. **group:** SU. **other id:** WM 10612. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569303 **origin:** Sudan. **origin institute id:** IS 19281. **other id:** SU 1161. **group:** SU. **other id:** WM 10613. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569304 **origin:** Sudan. **origin institute id:** IS 19282. **other id:** SU 1162. **group:** SU. **other id:** WM 10614. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569305 **origin:** Sudan. **origin institute id:** IS 19283. **other id:** SU 1163. **group:** SU. **other id:** WM 10617. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569306 **origin:** Sudan. **origin institute id:** IS 19284. **other id:** SU 1164. **group:** SU. **other id:** WM 10618. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569307 **origin:** Sudan. **origin institute id:** IS 19285. **other id:** SU 1165. **group:** SU. **other id:** WM 10619. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569308 **origin:** Sudan. **origin institute id:** IS 19286. **other id:** SU 1166. **group:** SU. **other id:** WM 10620. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569309 **origin:** Sudan. **origin institute id:** IS 19287. **other id:** SU 1167. **group:** SU. **other id:** WM 10621. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569310 **origin:** Sudan. **origin institute id:** IS 19288. **other id:** SU 1168. **group:** SU. **other id:** WM 10622. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569311 **origin:** Sudan. **origin institute id:** IS 19289. **other id:** SU 1169. **group:** SU. **other id:** WM 10623. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569312 **origin:** Sudan. **origin institute id:** IS 19290. **other id:** SU 1170. **group:** SU. **other id:** WM 10624. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569313 **origin:** Sudan. **origin institute id:** IS 19291. **other id:** SU 1171. **group:** SU. **other id:** WM 10625. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569314 **origin:** Sudan. **origin institute id:** IS 19292. **other id:** SU 1172. **group:** SU. **other id:** WM 10626. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569315 **origin:** Sudan. **origin institute id:** IS 19293. **other id:** SU 1173. **group:** SU. **other id:** WM 10627. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569316 **origin:** Sudan. **origin institute id:** IS 19294. **other id:** SU 1174. **group:** SU. **other id:** WM 10628. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569317 **origin:** Sudan. **origin institute id:** IS 19295. **other id:** SU 1175. **group:** SU. **other id:** WM 10629. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569318 **origin:** Sudan. **origin institute id:** IS 19296. **other id:** SU 1176. **group:** SU. **other id:** WM 10630. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569319 **origin:** Sudan. **origin institute id:** IS 19297. **other id:** SU 1177. **group:** SU. **other id:** WM 10637. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569320 **origin:** Sudan. **origin institute id:** IS 19298. **other id:** SU 1178. **group:** SU. **other id:** WM 10638. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569321 **origin:** Sudan. **origin institute id:** IS 19299. **other id:** SU 1179. **group:** SU. **other id:** WM 10639. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569322 **origin:** Sudan. **origin institute id:** IS 19300. **other id:** SU 1180. **group:** SU. **other id:** WM 10640. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569323 **origin:** Sudan. **origin institute id:** IS 19301. **other id:** SU 1181. **group:** SU. **other id:** WM 10642. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569324 **origin:** Sudan. **origin institute id:** IS 19302. **other id:** SU 1182. **group:** SU. **other id:** WM 10643. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569325 **origin:** Sudan. **origin institute id:** IS 19303. **other id:** SU 1183. **group:** SU. **other id:** WM 10644. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569326 **origin:** Sudan. **origin institute id:** IS 19304. **other id:** SU 1184. **group:** SU. **other id:** WM 10646. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569327 **origin:** Sudan. **origin institute id:** IS 19305. **other id:** SU 1185. **group:** SU. **other id:** WM 10647. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569328 **origin:** Sudan. **origin institute id:** IS 19306. **other id:** SU 1186. **group:** SU. **other id:** WM 11001. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569329 **origin:** Sudan. **origin institute id:** IS 19307. **other id:** SU 1187. **group:** SU. **other id:** WM 11002. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569330 **origin:** Sudan. **origin institute id:** IS 19308. **other id:** SU 1188. **group:** SU. **other id:** WM 11004. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569331 **origin:** Sudan. **origin institute id:** IS 19309. **other id:** SU 1189. **group:** SU. **other id:** WM 11005. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569332 **origin:** Sudan. **origin institute id:** IS 19310. **other id:** SU 1190. **group:** SU. **other id:** WM 11006. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569333 **origin:** Sudan. **origin institute id:** IS 19311. **other id:** SU 1191. **group:** SU. **other id:** WM 11007. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569334 **origin:** Sudan. **origin institute id:** IS 19312. **other id:** SU 1192. **group:** SU. **other id:** WM 11008. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569335 **origin:** Sudan. **origin institute id:** IS 19313. **other id:** SU 1193. **group:** SU. **other id:** WM 11009. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569336 **origin:** Sudan. **origin institute id:** IS 19314. **other id:** SU 1194. **group:** SU. **other id:** WM 11010. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569337 **origin:** Sudan. **origin institute id:** IS 19315. **other id:** SU 1195. **group:** SU. **other id:** WM 11011. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569338 **origin:** Sudan. **origin institute id:** IS 19316. **other id:** SU 1196. **group:** SU. **other id:** WM 11012. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569339 **origin:** Sudan. **origin institute id:** IS 19317. **other id:** SU 1197. **group:** SU. **other id:** WM 11013. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569340 **origin:** Sudan. **origin institute id:** IS 19318. **other id:** SU 1198. **group:** SU. **other id:** WM 11017. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569341 **origin:** Sudan. **origin institute id:** IS 19319. **other id:** SU 1199. **group:** SU. **other id:** WM 11018. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569342 **origin:** Sudan. **origin institute id:** IS 19320. **other id:** SU 1200. **group:** SU. **other id:** WM 11019. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569343 **origin:** Sudan. **origin institute id:** IS 19321. **other id:** SU 1201. **group:** SU. **other id:** WM 11021. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569344 **origin:** Sudan. **origin institute id:** IS 19322. **other id:** SU 1202. **group:** SU. **other id:** WM 11022. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569345 **origin:** Sudan. **origin institute id:** IS 19323. **other id:** SU 1203. **group:** SU. **other id:** WM 11025. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569346 origin: Sudan. origin institute id: IS 19324. other id: SU 1204. group: SU. other id: WM 11026. locality: Gezira Research Station. Cultivated. Seed.
- PI 569347 origin: Sudan. origin institute id: IS 19325. other id: SU 1205. group: SU. other id: WM 11030. locality: Gezira Research Station. Cultivated. Seed.
- PI 569348 origin: Sudan. origin institute id: IS 19326. other id: SU 1206. group: SU. other id: WM 11031. locality: Gezira Research Station. Cultivated. Seed.
- PI 569349 origin: Sudan. origin institute id: IS 19328. other id: SU 1207. group: SU. other id: WM 11034. locality: Gezira Research Station. Cultivated. Seed.
- PI 569350 origin: Sudan. origin institute id: IS 19329. other id: SU 1208. group: SU. other id: WM 11035. locality: Gezira Research Station. Cultivated. Seed.
- PI 569351 origin: Sudan. origin institute id: IS 19330. other id: SU 1209. group: SU. other id: WM 11038. locality: Gezira Research Station. Cultivated. Seed.
- PI 569352 origin: Sudan. origin institute id: IS 19331. other id: SU 1210. group: SU. other id: WM 11039. locality: Gezira Research Station. Cultivated. Seed.
- PI 569353 origin: Sudan. origin institute id: IS 19332. other id: SU 1211. group: SU. other id: WM 11040. locality: Gezira Research Station. Cultivated. Seed.
- PI 569354 origin: Sudan. origin institute id: IS 19333. other id: SU 1212. group: SU. other id: WM 11041. locality: Gezira Research Station. Cultivated. Seed.
- PI 569355 origin: Sudan. origin institute id: IS 19334. other id: SU 1213. group: SU. other id: WM 11042. locality: Gezira Research Station. Cultivated. Seed.
- PI 569356 origin: Sudan. origin institute id: IS 19335. other id: SU 1214. group: SU. other id: WM 11043. locality: Gezira Research Station. Cultivated. Seed.
- PI 569357 origin: Sudan. origin institute id: IS 19336. other id: SU 1215. group: SU. other id: WM 11044. locality: Gezira Research Station. Cultivated. Seed.
- PI 569358 origin: Sudan. origin institute id: IS 19337. other id: SU 1216. group: SU. other id: WM 11045. locality: Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569359 origin: Sudan. origin institute id: IS 19338. other id: SU 1217. group: SU. other id: WM 11048. locality: Gezira Research Station. Cultivated. Seed.
- PI 569360 origin: Sudan. origin institute id: IS 19339. other id: SU 1218. group: SU. other id: WM 11050. locality: Gezira Research Station. Cultivated. Seed.
- PI 569361 origin: Sudan. origin institute id: IS 19340. other id: SU 1219. group: SU. other id: WM 11051. locality: Gezira Research Station. Cultivated. Seed.
- PI 569362 origin: Sudan. origin institute id: IS 19341. other id: SU 1220. group: SU. other id: WM 11052. locality: Gezira Research Station. Cultivated. Seed.
- PI 569363 origin: Sudan. origin institute id: IS 19342. other id: SU 1221. group: SU. other id: WM 11053. locality: Gezira Research Station. Cultivated. Seed.
- PI 569364 origin: Sudan. origin institute id: IS 19343. other id: SU 1222. group: SU. other id: WM 11054. locality: Gezira Research Station. Cultivated. Seed.
- PI 569365 origin: Sudan. origin institute id: IS 19344. other id: SU 1223. group: SU. other id: WM 11055. locality: Gezira Research Station. Cultivated. Seed.
- PI 569366 origin: Sudan. origin institute id: IS 19345. other id: SU 1224. group: SU. other id: WM 11056. locality: Gezira Research Station. Cultivated. Seed.
- PI 569367 origin: Sudan. origin institute id: IS 19346. other id: SU 1225. group: SU. other id: WM 11057. locality: Gezira Research Station. Cultivated. Seed.
- PI 569368 origin: Sudan. origin institute id: IS 19347. other id: SU 1226. group: SU. other id: WM 11058. locality: Gezira Research Station. Cultivated. Seed.
- PI 569369 origin: Sudan. origin institute id: IS 19348. other id: SU 1227. group: SU. other id: WM 11059. locality: Gezira Research Station. Cultivated. Seed.
- PI 569370 origin: Sudan. origin institute id: IS 19349. other id: SU 1228. group: SU. other id: WM 11060. locality: Gezira Research Station. Cultivated. Seed.
- PI 569371 origin: Sudan. origin institute id: IS 19350. other id: SU 1229. group: SU. other id: WM 11062. locality: Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569372 **origin:** Sudan. **origin institute id:** IS 19351. **other id:** SU 1230. **group:** SU. **other id:** WM 11063. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569373 **origin:** Sudan. **origin institute id:** IS 19352. **other id:** SU 1231. **group:** SU. **other id:** WM 11066. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569374 **origin:** Sudan. **origin institute id:** IS 19353. **other id:** SU 1232. **group:** SU. **other id:** WM 11068. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569375 **origin:** Sudan. **origin institute id:** IS 19354. **other id:** SU 1233. **group:** SU. **other id:** WM 11070. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569376 **origin:** Sudan. **origin institute id:** IS 19355. **other id:** SU 1234. **group:** SU. **other id:** WM 11072. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569377 **origin:** Sudan. **origin institute id:** IS 19356. **other id:** SU 1235. **group:** SU. **other id:** WM 11073. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569378 **origin:** Sudan. **origin institute id:** IS 19357. **other id:** SU 1236. **group:** SU. **other id:** WM 11074. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569379 **origin:** Sudan. **origin institute id:** IS 19358. **other id:** SU 1237. **group:** SU. **other id:** WM 11077. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569380 **origin:** Sudan. **origin institute id:** IS 19359. **other id:** SU 1238. **group:** SU. **other id:** WM 11079. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569381 **origin:** Sudan. **origin institute id:** IS 19360. **other id:** SU 1239. **group:** SU. **other id:** WM 11081. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569382 **origin:** Sudan. **origin institute id:** IS 19361. **other id:** SU 1240. **group:** SU. **other id:** WM 11084. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569383 **origin:** Sudan. **origin institute id:** IS 19362. **other id:** SU 1241. **group:** SU. **other id:** WM 11085. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569384 **origin:** Sudan. **origin institute id:** IS 19363. **other id:** SU 1242. **group:** SU. **other id:** WM 11087. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569385 **origin:** Sudan. **origin institute id:** IS 19364. **other id:** SU 1243. **group:** SU. **other id:** WM 11088. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569386 **origin:** Sudan. **origin institute id:** IS 19365. **other id:** SU 1244. **group:** SU. **other id:** WM 11089. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569387 **origin:** Sudan. **origin institute id:** IS 19366. **other id:** SU 1245. **group:** SU. **other id:** WM 11090. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569388 **origin:** Sudan. **origin institute id:** IS 19367. **other id:** SU 1246. **group:** SU. **other id:** WM 11091. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569389 **origin:** Sudan. **origin institute id:** IS 19368. **other id:** SU 1247. **group:** SU. **other id:** WM 11092. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569390 **origin:** Sudan. **origin institute id:** IS 19369. **other id:** SU 1248. **group:** SU. **other id:** WM 11094. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569391 **origin:** Sudan. **origin institute id:** IS 19370. **other id:** SU 1249. **group:** SU. **other id:** WM 11095. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569392 **origin:** Sudan. **origin institute id:** IS 19371. **other id:** SU 1250. **group:** SU. **other id:** WM 11099. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569393 **origin:** Sudan. **origin institute id:** IS 19372. **other id:** SU 1251. **group:** SU. **other id:** WM 11100. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569394 **origin:** Sudan. **origin institute id:** IS 19373. **other id:** SU 1252. **group:** SU. **other id:** WM 11102. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569395 **origin:** Sudan. **origin institute id:** IS 19374. **other id:** SU 1253. **group:** SU. **other id:** WM 11103. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569396 **origin:** Sudan. **origin institute id:** IS 19375. **other id:** SU 1254. **group:** SU. **other id:** WM 11104. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569397 **origin:** Sudan. **origin institute id:** IS 19376. **other id:** SU 1255. **group:** SU. **other id:** WM 11105. **locality:** Gezira Research Station. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569398 **origin:** Sudan. **origin institute id:** IS 19377. **other id:** SU 1256. **group:** SU. **other id:** WM 11106. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569399 **origin:** Sudan. **origin institute id:** IS 19378. **other id:** SU 1257. **group:** SU. **other id:** WM 11107. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569400 **origin:** Sudan. **origin institute id:** IS 19379. **other id:** SU 1258. **group:** SU. **other id:** WM 11108. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569401 **origin:** Sudan. **origin institute id:** IS 19380. **other id:** SU 1259. **group:** SU. **other id:** WM 11109. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569402 **origin:** Sudan. **origin institute id:** IS 19381. **other id:** SU 1260. **group:** SU. **other id:** WM 11110. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569403 **origin:** Sudan. **origin institute id:** IS 19382. **other id:** SU 1261. **group:** SU. **other id:** WM 11111. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569404 **origin:** Sudan. **origin institute id:** IS 19383. **other id:** SU 1262. **group:** SU. **other id:** WM 11112. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569405 **origin:** Sudan. **origin institute id:** IS 19384. **other id:** SU 1263. **group:** SU. **other id:** WM 11113. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569406 **origin:** Sudan. **origin institute id:** IS 19385. **other id:** SU 1264. **group:** SU. **other id:** WM 11114. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569407 **origin:** Sudan. **origin institute id:** IS 19386. **other id:** SU 1265. **group:** SU. **other id:** WM 11205. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569408 **origin:** Sudan. **origin institute id:** IS 19387. **other id:** SU 1266. **group:** SU. **other id:** WM 11208. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569409 **origin:** Sudan. **origin institute id:** IS 19388. **other id:** SU 1267. **group:** SU. **other id:** WM 11212. **locality:** Gezira Research Station. Cultivated. Seed.
- PI 569410 **origin:** Sudan. **origin institute id:** IS 19472. **cultivar:** DERI. **other id:** SU 1268. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569411 origin: Sudan. origin institute id: IS 19473. cultivar: MAKYIKA. other id: SU 1269. group: SU. Cultivated. Seed.
- PI 569412 origin: Sudan. origin institute id: IS 19474. cultivar: LOPE. other id: SU 1270. group: SU. Cultivated. Seed.
- PI 569413 origin: Sudan. origin institute id: IS 19475. cultivar: DERI (WHITE). other id: SU 1271. group: SU. Cultivated. Seed.
- PI 569414 origin: Sudan. origin institute id: IS 19476. cultivar: GODO. other id: SU 1272. group: SU. Cultivated. Seed.
- PI 569415 origin: Sudan. origin institute id: IS 19478. cultivar: ZERI. other id: SU 1274. group: SU. Cultivated. Seed.
- PI 569416 origin: Sudan. origin institute id: IS 19479. cultivar: DALA. other id: SU 1275. group: SU. Cultivated. Seed.
- PI 569417 origin: Sudan. origin institute id: IS 19480. cultivar: ZERI. other id: SU 1276. group: SU. Cultivated. Seed.
- PI 569418 origin: Sudan. origin institute id: IS 19481. cultivar: LOTORI. other id: SU 1277. group: SU. Cultivated. Seed.
- PI 569419 origin: Sudan. origin institute id: IS 19482. cultivar: DERI. other id: SU 1278. group: SU. Cultivated. Seed.
- PI 569420 origin: Sudan. origin institute id: IS 19484. cultivar: GASSABI. other id: SU 1279. group: SU. Cultivated. Seed.
- PI 569421 origin: Sudan. origin institute id: IS 19485. cultivar: DERI. other id: SU 1280. group: SU. Cultivated. Seed.
- PI 569422 origin: Sudan. origin institute id: IS 19486. cultivar: NYARANGO. other id: SU 1281. group: SU. Cultivated. Seed.
- PI 569423 origin: Sudan. origin institute id: IS 19487. cultivar: KYIKA (CHYIKA). other id: SU 1282. group: SU. Cultivated. Seed.
- PI 569424 origin: Sudan. origin institute id: IS 19488. cultivar: KYIKA. other id: SU 1283. group: SU. Cultivated. Seed.
- PI 569425 origin: Sudan. origin institute id: IS 19489. cultivar: AKEE (KEJ). other id: SU 1284. group: SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569426 **origin:** Sudan. **origin institute id:** IS 19490. **cultivar:** DEEL. **other id:** SU 1285. **group:** SU. Cultivated. Seed.
- PI 569427 **origin:** Sudan. **origin institute id:** IS 19491. **cultivar:** MABORE. **other id:** SU 1286. **group:** SU. Cultivated. Seed.
- PI 569428 **origin:** Sudan. **origin institute id:** IS 19492. **cultivar:** AGOK. **other id:** SU 1287. **group:** SU. Cultivated. Seed.
- PI 569429 **origin:** Sudan. **origin institute id:** IS 19493. **cultivar:** CHULUK. **other id:** SU 1288. **group:** SU. Cultivated. Seed.
- PI 569430 **origin:** Sudan. **origin institute id:** IS 19494. **cultivar:** YAR. **other id:** SU 1289. **group:** SU. Cultivated. Seed.
- PI 569431 **origin:** Sudan. **origin institute id:** IS 19495. **cultivar:** MAN WANI. **other id:** SU 1290. **group:** SU. Cultivated. Seed.
- PI 569432 **origin:** Sudan. **origin institute id:** IS 19496. **cultivar:** MABIOR. **other id:** SU 1291. **group:** SU. Cultivated. Seed.
- PI 569433 **origin:** Sudan. **origin institute id:** IS 19497. **cultivar:** CHEKOO. **other id:** SU 1292. **group:** SU. Cultivated. Seed.
- PI 569434 **origin:** Sudan. **origin institute id:** IS 19498. **cultivar:** MABIO (RED). **other id:** SU 1293. **group:** SU. Cultivated. Seed.
- PI 569435 **origin:** Sudan. **origin institute id:** IS 19499. **cultivar:** KAVANGA. **other id:** SU 1294. **group:** SU. Cultivated. Seed.
- PI 569436 **origin:** Sudan. **origin institute id:** IS 19500. **cultivar:** MAIBOR. **other id:** SU 1295. **group:** SU. Cultivated. Seed.
- PI 569437 **origin:** Sudan. **origin institute id:** IS 19501. **cultivar:** NGBANGA. **other id:** SU 1296. **group:** SU. Cultivated. Seed.
- PI 569438 **origin:** Sudan. **origin institute id:** IS 19502. **cultivar:** NAVANKAN. **other id:** SU 1297. **group:** SU. Cultivated. Seed.
- PI 569439 **origin:** Sudan. **origin institute id:** IS 19503. **cultivar:** MABIOR (YELLOW). **other id:** SU 1298. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569440 origin: Sudan. origin institute id: IS 19504. cultivar: ASARMA. other id: SU 1299. group: SU. Cultivated. Seed.
- PI 569441 origin: Sudan. origin institute id: IS 19505. cultivar: BENDE. other id: SU 1300. group: SU. Cultivated. Seed.
- PI 569442 origin: Sudan. origin institute id: IS 19506. cultivar: MBRAKA. other id: SU 1301. group: SU. Cultivated. Seed.
- PI 569443 origin: Sudan. origin institute id: IS 19507. cultivar: BELL. other id: SU 1302. group: SU. Cultivated. Seed.
- PI 569444 origin: Sudan. origin institute id: IS 19508. cultivar: CHALLA. other id: SU 1303. group: SU. Cultivated. Seed.
- PI 569445 origin: Sudan. origin institute id: IS 19509. cultivar: MORO. other id: SU 1304. group: SU. Cultivated. Seed.
- PI 569446 origin: Sudan. origin institute id: IS 19510. cultivar: DERE. other id: SU 1305. group: SU. Cultivated. Seed.
- PI 569447 origin: Sudan. origin institute id: IS 19511. cultivar: NYARANGO. other id: SU 1306. group: SU. Cultivated. Seed.
- PI 569448 origin: Sudan. origin institute id: IS 19512. cultivar: BARI. other id: SU 1307. group: SU. Cultivated. Seed.
- PI 569449 origin: Sudan. origin institute id: IS 19513. cultivar: MALANGORE. other id: SU 1308. group: SU. Cultivated. Seed.
- PI 569450 origin: Sudan. origin institute id: IS 19514. cultivar: DODOKA. other id: SU 1309. group: SU. Cultivated. Seed.
- PI 569451 origin: Sudan. origin institute id: IS 19515. cultivar: MARESA. other id: SU 1310. group: SU. Cultivated. Seed.
- PI 569452 origin: Sudan. origin institute id: IS 19516. cultivar: LANDI. other id: SU 1311. group: SU. Cultivated. Seed.
- PI 569453 origin: Sudan. origin institute id: IS 19517. cultivar: KELE. other id: SU 1312. group: SU. Cultivated. Seed.

- PI 569454 **origin:** Sudan. **origin institute id:** IS 19518. **cultivar:** DIMERI. **other id:** SU 1313. **group:** SU. Cultivated. Seed.
- PI 569455 **origin:** Sudan. **origin institute id:** IS 19519. **cultivar:** LORYERYE. **other id:** SU 1314. **group:** SU. Cultivated. Seed.
- PI 569456 **origin:** Sudan. **origin institute id:** IS 19520. **cultivar:** MOBIOR. **other id:** SU 1315. **group:** SU. Cultivated. Seed.
- PI 569457 **origin:** Sudan. **origin institute id:** IS 19521. **cultivar:** MOBIOR. **other id:** SU 1316. **group:** SU. Cultivated. Seed.
- PI 569458 **origin:** Sudan. **origin institute id:** IS 19522. **cultivar:** NVARKHAN. **other id:** SU 1317. **group:** SU. Cultivated. Seed.
- PI 569459 **origin:** Sudan. **origin institute id:** IS 19523. **cultivar:** LUWAI AH. **other id:** SU 1318. **group:** SU. Cultivated. Seed.
- PI 569460 **origin:** Sudan. **origin institute id:** IS 19524. **cultivar:** REKA. **other id:** SU 1319. **group:** SU. Cultivated. Seed.
- PI 569461 **origin:** Sudan. **origin institute id:** IS 19525. **cultivar:** BAGA. **other id:** SU 1320. **group:** SU. Cultivated. Seed.
- PI 569462 **origin:** Sudan. **origin institute id:** IS 19526. **cultivar:** AKWANE. **other id:** SU 1321. **group:** SU. Cultivated. Seed.
- PI 569463 **origin:** Sudan. **origin institute id:** IS 19527. **cultivar:** AKARAM. **other id:** SU 1322. **group:** SU. Cultivated. Seed.
- PI 569464 **origin:** Sudan. **origin institute id:** IS 19528. **cultivar:** ARUMAOR. **other id:** SU 1323. **group:** SU. Cultivated. Seed.
- PI 569465 **origin:** Sudan. **origin institute id:** IS 19529. **cultivar:** KECH. **other id:** SU 1324. **group:** SU. Cultivated. Seed.
- PI 569466 **origin:** Sudan. **origin institute id:** IS 19531. **other id:** SU 1325. **group:** SU. **other id:** 2198. Cultivated. Seed.
- PI 569467 **origin:** Sudan. **origin institute id:** IS 19532. **pedigree:** Cross 47/119. **other id:** SU 1326. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569468 **origin:** Sudan. **origin institute id:** IS 19533. **other id:** SU 1327. **group:** SU. **other id:** 2120. Cultivated. Seed.
- PI 569469 **origin:** Sudan. **origin institute id:** IS 19534. **other id:** SU 1328. **group:** SU. **other id:** 2177. Cultivated. Seed.
- PI 569470 **origin:** Sudan. **origin institute id:** IS 19535. **pedigree:** Cross 47/25. **other id:** SU 1329. **group:** SU. Cultivated. Seed.
- PI 569471 **origin:** Sudan. **origin institute id:** IS 19536. **other id:** SU 1330. **group:** SU. **other id:** 2147. Cultivated. Seed.
- PI 569472 **origin:** Sudan. **origin institute id:** IS 19537. **pedigree:** Cross 41/62. **other id:** SU 1331. **group:** SU. Cultivated. Seed.
- PI 569473 **origin:** Sudan. **origin institute id:** IS 19540. **pedigree:** Cross 36:51 (51). **other id:** SU 1334. **group:** SU. Cultivated. Seed.
- PI 569474 **origin:** Sudan. **origin institute id:** IS 19541. **other id:** SU 1335. **group:** SU. **other id:** 2016. Cultivated. Seed.
- PI 569475 **origin:** Sudan. **origin institute id:** IS 19542. **pedigree:** Cross 56R/11. **other id:** SU 1336. **group:** SU. Cultivated. Seed.
- PI 569476 **origin:** Sudan. **origin institute id:** IS 19543. **other id:** SU 1337. **group:** SU. **other id:** 2213. Cultivated. Seed.
- PI 569477 **origin:** Sudan. **origin institute id:** IS 19544. **pedigree:** Cross 36:80 (80). **other id:** SU 1338. **group:** SU. Cultivated. Seed.
- PI 569478 **origin:** Sudan. **origin institute id:** IS 19545. **pedigree:** Cross 57/1. **other id:** SU 1339. **group:** SU. Cultivated. Seed.
- PI 569479 **origin:** Sudan. **origin institute id:** IS 19546. **pedigree:** Cross 41/56. **other id:** SU 1340. **group:** SU. Cultivated. Seed.
- PI 569480 **origin:** Sudan. **origin institute id:** IS 19547. **pedigree:** Cross 517. **other id:** SU 1341. **group:** SU. Cultivated. Seed.
- PI 569481 **origin:** Sudan. **origin institute id:** IS 19548. **pedigree:** Cross 51/27. **other id:** SU 1342. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569482 **origin:** Sudan. **origin institute id:** IS 19549. **pedigree:** Cross 65/18. **other id:** SU 1343. **group:** SU. Cultivated. Seed.
- PI 569483 **origin:** Sudan. **origin institute id:** IS 19550. **pedigree:** Cross 36:107. **other id:** SU 1344. **group:** SU. Cultivated. Seed.
- PI 569484 **origin:** Sudan. **origin institute id:** IS 19551. **other id:** SU 1345. **group:** SU. **other id:** 2065. Cultivated. Seed.
- PI 569485 **origin:** Sudan. **origin institute id:** IS 19552. **pedigree:** Cross 36:31 76/77. **other id:** SU 1346. **group:** SU. Cultivated. Seed.
- PI 569486 **origin:** Sudan. **origin institute id:** IS 19553. **pedigree:** Cross 54:28. **other id:** SU 1347. **group:** SU. Cultivated. Seed.
- PI 569487 **origin:** Sudan. **origin institute id:** IS 19554. **pedigree:** Cross 55R/3. **other id:** SU 1348. **group:** SU. Cultivated. Seed.
- PI 569488 **origin:** Sudan. **origin institute id:** IS 19555. **pedigree:** Cross 58/13. **other id:** SU 1349. **group:** SU. Cultivated. Seed.
- PI 569489 **origin:** Sudan. **origin institute id:** IS 19556. **pedigree:** Cross 65/1. **other id:** SU 1350. **group:** SU. Cultivated. Seed.
- PI 569490 **origin:** Sudan. **origin institute id:** IS 19557. **pedigree:** Cross 48/43. **other id:** SU 1351. **group:** SU. Cultivated. Seed.
- PI 569491 **origin:** Sudan. **origin institute id:** IS 19558. **pedigree:** Cross 56/66. **other id:** SU 1352. **group:** SU. Cultivated. Seed.
- PI 569492 **origin:** Sudan. **origin institute id:** IS 19559. **other id:** SU 1353. **group:** SU. **other id:** 2342. Cultivated. Seed.
- PI 569493 **origin:** Sudan. **origin institute id:** IS 19560. **pedigree:** Cross 35:5. **other id:** SU 1354. **group:** SU. Cultivated. Seed.
- PI 569494 **origin:** Sudan. **origin institute id:** IS 19561. **pedigree:** Cross 57/52. **other id:** SU 1355. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569495 **origin:** Sudan. **origin institute id:** IS 19562. **pedigree:** Cross 47/43. **other id:** SU 1356. **group:** SU. Cultivated. Seed.
- PI 569496 **origin:** Sudan. **origin institute id:** IS 19563. **pedigree:** Cross 65/44. **other id:** SU 1357. **group:** SU. Cultivated. Seed.
- PI 569497 **origin:** Sudan. **origin institute id:** IS 19564. **pedigree:** Cross 47/35. **other id:** SU 1358. **group:** SU. Cultivated. Seed.
- PI 569498 **origin:** Sudan. **origin institute id:** IS 19565. **pedigree:** Cross 56/88. **other id:** SU 1359. **group:** SU. Cultivated. Seed.
- PI 569499 **origin:** Sudan. **origin institute id:** IS 19566. **other id:** SU 1360. **group:** SU. **other id:** 2137. Cultivated. Seed.
- PI 569500 **origin:** Sudan. **origin institute id:** IS 19567. **pedigree:** Cross 65/21. **other id:** SU 1361. **group:** SU. Cultivated. Seed.
- PI 569501 **origin:** Sudan. **origin institute id:** IS 19568. **pedigree:** Cross 67/122. **other id:** SU 1362. **group:** SU. Cultivated. Seed.
- PI 569502 **origin:** Sudan. **origin institute id:** IS 19569. **pedigree:** Cross 59/8. **other id:** SU 1363. **group:** SU. Cultivated. Seed.
- PI 569503 **origin:** Sudan. **origin institute id:** IS 19570. **pedigree:** Cross 43/8. **other id:** SU 1364. **group:** SU. Cultivated. Seed.
- PI 569504 **origin:** Sudan. **origin institute id:** IS 19571. **pedigree:** Cross 55R/30. **other id:** SU 1365. **group:** SU. Cultivated. Seed.
- PI 569505 **origin:** Sudan. **origin institute id:** IS 19572. **pedigree:** Cross 35:24. **other id:** SU 1366. **group:** SU. Cultivated. Seed.
- PI 569506 **origin:** Sudan. **origin institute id:** IS 19573. **pedigree:** Cross 34:8. **other id:** SU 1367. **group:** SU. Cultivated. Seed.
- PI 569507 **origin:** Sudan. **origin institute id:** IS 19574. **pedigree:** Cross 58/12. **other id:** SU 1368. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569508 **origin:** Sudan. **origin institute id:** IS 19575. **pedigree:** Cross 64/33. **other id:** SU 1369. **group:** SU. Cultivated. Seed.
- PI 569509 **origin:** Sudan. **origin institute id:** IS 19576. **pedigree:** Cross 65/30. **other id:** SU 1370. **group:** SU. Cultivated. Seed.
- PI 569510 **origin:** Sudan. **origin institute id:** IS 19577. **pedigree:** Cross 62/22. **other id:** SU 1371. **group:** SU. Cultivated. Seed.
- PI 569511 **origin:** Sudan. **origin institute id:** IS 19578. **pedigree:** Cross 48/57. **other id:** SU 1372. **group:** SU. Cultivated. Seed.
- PI 569512 **origin:** Sudan. **origin institute id:** IS 19579. **pedigree:** Cross 36:136. **other id:** SU 1373. **group:** SU. Cultivated. Seed.
- PI 569513 **origin:** Sudan. **origin institute id:** IS 19580. **pedigree:** Cross 43/43. **other id:** SU 1374. **group:** SU. Cultivated. Seed.
- PI 569514 **origin:** Sudan. **origin institute id:** IS 19581. **pedigree:** Cross 42/9. **other id:** SU 1375. **group:** SU. Cultivated. Seed.
- PI 569515 **origin:** Sudan. **origin institute id:** IS 19582. **pedigree:** Cross 42/25. **other id:** SU 1376. **group:** SU. Cultivated. Seed.
- PI 569516 **origin:** Sudan. **origin institute id:** IS 19583. **pedigree:** Cross 56/53. **other id:** SU 1377. **group:** SU. Cultivated. Seed.
- PI 569517 **origin:** Sudan. **origin institute id:** IS 19584. **pedigree:** Cross 35:15. **other id:** SU 1378. **group:** SU. Cultivated. Seed.
- PI 569518 **origin:** Sudan. **origin institute id:** IS 19585. **pedigree:** Cross 51R/58. **other id:** SU 1379. **group:** SU. Cultivated. Seed.
- PI 569519 **origin:** Sudan. **origin institute id:** IS 19586. **pedigree:** Cross 66/10. **other id:** SU 1380. **group:** SU. Cultivated. Seed.
- PI 569520 **origin:** Sudan. **origin institute id:** IS 19587. **pedigree:** Cross 45/6. **other id:** SU 1381. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569521 **origin:** Sudan. **origin institute id:** IS 19588. **pedigree:** Cross 51/14. **other id:** SU 1382. **group:** SU. Cultivated. Seed.
- PI 569522 **origin:** Sudan. **origin institute id:** IS 19589. **pedigree:** Cross 36:122(122). **other id:** SU 1383. **group:** SU. Cultivated. Seed.
- PI 569523 **origin:** Sudan. **origin institute id:** IS 19590. **pedigree:** Cross 36:81. **other id:** SU 1384. **group:** SU. Cultivated. Seed.
- PI 569524 **origin:** Sudan. **origin institute id:** IS 19591. **other id:** SU 1385. **group:** SU. Cultivated. Seed.
- PI 569525 **origin:** Sudan. **origin institute id:** IS 19592. **pedigree:** Cross 41/49. **other id:** SU 1386. **group:** SU. Cultivated. Seed.
- PI 569526 **origin:** Sudan. **origin institute id:** IS 19593. **pedigree:** Cross 37:1. **other id:** SU 1387. **group:** SU. Cultivated. Seed.
- PI 569527 **origin:** Sudan. **origin institute id:** IS 19594. **pedigree:** Cross 65/13. **other id:** SU 1388. **group:** SU. Cultivated. Seed.
- PI 569528 **origin:** Sudan. **origin institute id:** IS 19595. **pedigree:** Cross 65/43. **other id:** SU 1389. **group:** SU. Cultivated. Seed.
- PI 569529 **origin:** Sudan. **origin institute id:** IS 19596. **pedigree:** Cross 65/77. **other id:** SU 1390. **group:** SU. Cultivated. Seed.
- PI 569530 **origin:** Sudan. **origin institute id:** IS 19597. **pedigree:** Cross 41/63. **other id:** SU 1391. **group:** SU. Cultivated. Seed.
- PI 569531 **origin:** Sudan. **origin institute id:** IS 19598. **pedigree:** Cross 35:29. **other id:** SU 1392. **group:** SU. Cultivated. Seed.
- PI 569532 **origin:** Sudan. **origin institute id:** IS 19599. **other id:** SU 1393. **group:** SU. **other id:** 2060. Cultivated. Seed.
- PI 569533 **origin:** Sudan. **origin institute id:** IS 19600. **pedigree:** Cross 47/10. **other id:** SU 1394. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569534 **origin:** Sudan. **origin institute id:** IS 19602. **pedigree:** Cross 56/49. **other id:** SU 1395. **group:** SU. Cultivated. Seed.
- PI 569535 **origin:** Sudan. **origin institute id:** IS 19603. **pedigree:** Cross 41/36(36). **other id:** SU 1396. **group:** SU. Cultivated. Seed.
- PI 569536 **origin:** Sudan. **origin institute id:** IS 19604. **pedigree:** Cross 51R/33. **other id:** SU 1397. **group:** SU. Cultivated. Seed.
- PI 569537 **origin:** Sudan. **origin institute id:** IS 19605. **pedigree:** Cross 56/34. **other id:** SU 1398. **group:** SU. Cultivated. Seed.
- PI 569538 **origin:** Sudan. **origin institute id:** IS 19606. **pedigree:** Cross 48/33. **other id:** SU 1399. **group:** SU. Cultivated. Seed.
- PI 569539 **origin:** Sudan. **origin institute id:** IS 19607. **pedigree:** Cross 67/29. **other id:** SU 1400. **group:** SU. Cultivated. Seed.
- PI 569540 **origin:** Sudan. **origin institute id:** IS 19608. **pedigree:** Cross 51/28. **other id:** SU 1401. **group:** SU. Cultivated. Seed.
- PI 569541 **origin:** Sudan. **origin institute id:** IS 19609. **pedigree:** Cross 55R/59. **other id:** SU 1402. **group:** SU. Cultivated. Seed.
- PI 569542 **origin:** Sudan. **origin institute id:** IS 19610. **pedigree:** Cross 36:86. **other id:** SU 1403. **group:** SU. Cultivated. Seed.
- PI 569543 **origin:** Sudan. **origin institute id:** IS 19611. **pedigree:** Cross 36:43(43). **other id:** SU 1404. **group:** SU. Cultivated. Seed.
- PI 569544 **origin:** Sudan. **origin institute id:** IS 19612. **other id:** SU 1405. **group:** SU. **other id:** 2184. Cultivated. Seed.
- PI 569545 **origin:** Sudan. **origin institute id:** IS 19613. **pedigree:** Cross 54/50. **other id:** SU 1406. **group:** SU. Cultivated. Seed.
- PI 569546 **origin:** Sudan. **origin institute id:** IS 19614. **pedigree:** Cross 54/18. **other id:** SU 1407. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569547 **origin:** Sudan. **origin institute id:** IS 19615. **pedigree:** Cross 55R/37. **other id:** SU 1408. **group:** SU. Cultivated. Seed.
- PI 569548 **origin:** Sudan. **origin institute id:** IS 19616. **pedigree:** Cross 54/16. **other id:** SU 1409. **group:** SU. Cultivated. Seed.
- PI 569549 **origin:** Sudan. **origin institute id:** IS 19617. **pedigree:** Cross 40:14. **other id:** SU 1410. **group:** SU. Cultivated. Seed.
- PI 569550 **origin:** Sudan. **origin institute id:** IS 19618. **pedigree:** Cross 36:22. **other id:** SU 1411. **group:** SU. Cultivated. Seed.
- PI 569551 **origin:** Sudan. **origin institute id:** IS 19620. **other id:** SU 1412. **group:** SU. **other id:** 2141. Cultivated. Seed.
- PI 569552 **origin:** Sudan. **origin institute id:** IS 19621. **pedigree:** Cross 51R/52. **other id:** SU 1413. **group:** SU. Cultivated. Seed.
- PI 569553 **origin:** Sudan. **origin institute id:** IS 19622. **pedigree:** Cross 55/1. **other id:** SU 1414. **group:** SU. Cultivated. Seed.
- PI 569554 **origin:** Sudan. **origin institute id:** IS 19623. **pedigree:** Cross 66/13. **other id:** SU 1415. **group:** SU. Cultivated. Seed.
- PI 569555 **origin:** Sudan. **origin institute id:** IS 19624. **pedigree:** Cross 67/70. **other id:** SU 1416. **group:** SU. Cultivated. Seed.
- PI 569556 **origin:** Sudan. **origin institute id:** IS 19625. **pedigree:** Cross 41/57. **other id:** SU 1417. **group:** SU. Cultivated. Seed.
- PI 569557 **origin:** Sudan. **origin institute id:** IS 19626. **pedigree:** Cross 48R/4. **other id:** SU 1418. **group:** SU. Cultivated. Seed.
- PI 569558 **origin:** Sudan. **origin institute id:** IS 19627. **pedigree:** Cross 51R/28. **other id:** SU 1419. **group:** SU. Cultivated. Seed.
- PI 569559 **origin:** Sudan. **origin institute id:** IS 19628. **pedigree:** Cross 55R/60. **other id:** SU 1420. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569560 **origin:** Sudan. **origin institute id:** IS 19629. **pedigree:** Cross 67/84. **other id:** SU 1421. **group:** SU. Cultivated. Seed.
- PI 569561 **origin:** Sudan. **origin institute id:** IS 19630. **pedigree:** Cross 48/60. **other id:** SU 1422. **group:** SU. Cultivated. Seed.
- PI 569562 **origin:** Sudan. **origin institute id:** IS 19631. **pedigree:** Cross 62/16. **other id:** SU 1423. **group:** SU. Cultivated. Seed.
- PI 569563 **origin:** Sudan. **origin institute id:** IS 19632. **other id:** SU 1424. **group:** SU. **other id:** 2305. Cultivated. Seed.
- PI 569564 **origin:** Sudan. **origin institute id:** IS 19633. **pedigree:** Cross 40:35. **other id:** SU 1425. **group:** SU. Cultivated. Seed.
- PI 569565 **origin:** Sudan. **origin institute id:** IS 19634. **pedigree:** Cross 59/7. **other id:** SU 1426. **group:** SU. Cultivated. Seed.
- PI 569566 **origin:** Sudan. **origin institute id:** IS 19635. **pedigree:** Cross 43/35. **other id:** SU 1427. **group:** SU. Cultivated. Seed.
- PI 569567 **origin:** Sudan. **origin institute id:** IS 19636. **other id:** SU 1428. **group:** SU. **other id:** 2298. Cultivated. Seed.
- PI 569568 **origin:** Sudan. **origin institute id:** IS 19637. **pedigree:** Cross 62/14. **other id:** SU 1429. **group:** SU. Cultivated. Seed.
- PI 569569 **origin:** Sudan. **origin institute id:** IS 19638. **pedigree:** Cross 65. **other id:** SU 1430. **group:** SU. Cultivated. Seed.
- PI 569570 **origin:** Sudan. **origin institute id:** IS 19639. **pedigree:** Cross 67/78. **other id:** SU 1431. **group:** SU. Cultivated. Seed.
- PI 569571 **origin:** Sudan. **origin institute id:** IS 19640. **pedigree:** Cross 67/98. **other id:** SU 1432. **group:** SU. Cultivated. Seed.
- PI 569572 **origin:** Sudan. **origin institute id:** IS 19641. **pedigree:** Cross 64/29. **other id:** SU 1433. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569573 **origin:** Sudan. **origin institute id:** IS 19642. **pedigree:** Cross 67/87. **other id:** SU 1434. **group:** SU. Cultivated. Seed.
- PI 569574 **origin:** Sudan. **origin institute id:** IS 19643. **pedigree:** Cross 48/19. **other id:** SU 1435. **group:** SU. Cultivated. Seed.
- PI 569575 **origin:** Sudan. **origin institute id:** IS 19644. **pedigree:** Cross 41/37. **other id:** SU 1436. **group:** SU. Cultivated. Seed.
- PI 569576 **origin:** Sudan. **origin institute id:** IS 19645. **pedigree:** Cross 67/24. **other id:** SU 1437. **group:** SU. Cultivated. Seed.
- PI 569577 **origin:** Sudan. **origin institute id:** IS 19646. **pedigree:** Cross 56/28. **other id:** SU 1438. **group:** SU. Cultivated. Seed.
- PI 569578 **origin:** Sudan. **origin institute id:** IS 19647. **pedigree:** Cross 51/32. **other id:** SU 1439. **group:** SU. Cultivated. Seed.
- PI 569579 **origin:** Sudan. **origin institute id:** IS 19648. **pedigree:** Cross 62/4. **other id:** SU 1440. **group:** SU. Cultivated. Seed.
- PI 569580 **origin:** Sudan. **origin institute id:** IS 19649. **pedigree:** Cross 65/8. **other id:** SU 1441. **group:** SU. Cultivated. Seed.
- PI 569581 **origin:** Sudan. **origin institute id:** IS 19650. **pedigree:** Cross 47/47. **other id:** SU 1442. **group:** SU. Cultivated. Seed.
- PI 569582 **origin:** Sudan. **origin institute id:** IS 19651. **pedigree:** Cross 54/51. **other id:** SU 1443. **group:** SU. Cultivated. Seed.
- PI 569583 **origin:** Sudan. **origin institute id:** IS 19652. **pedigree:** Cross 36:1. **other id:** SU 1444. **group:** SU. Cultivated. Seed.
- PI 569584 **origin:** Sudan. **origin institute id:** IS 19653. **other id:** SU 1445. **group:** SU. **other id:** IS 3071C. **group:** IS. **other id:** SC 237. Cultivated. Seed.
- PI 569585 **origin:** Sudan. **origin institute id:** IS 19654. **pedigree:** TAM-2566 x (3197 x 170)-10-2. **other id:** SU 1446. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569586 **origin:** Sudan. **origin institute id:** IS 20499. **other id:** SU 1447. **group:** SU. **other id:** PN 4037. Cultivated. Seed.
- PI 569587 **origin:** Sudan. **origin institute id:** IS 20500. **other id:** SU 1448. **group:** SU. **other id:** PN 4045. Cultivated. Seed.
- PI 569588 **origin:** Sudan. **origin institute id:** IS 20501. **other id:** SU 1449. **group:** SU. **other id:** PN 4061. Cultivated. Seed.
- PI 569589 **origin:** Sudan. **origin institute id:** IS 20502. **other id:** SU 1450. **group:** SU. **other id:** PN 4106. Cultivated. Seed.
- PI 569590 **origin:** Sudan. **origin institute id:** IS 20503. **other id:** SU 1451. **group:** SU. **other id:** PN 4135. Cultivated. Seed.
- PI 569591 **origin:** Sudan. **origin institute id:** IS 20504. **other id:** SU 1452. **group:** SU. **other id:** PN 4152. Cultivated. Seed.
- PI 569592 **origin:** Sudan. **origin institute id:** IS 20505. **other id:** SU 1453. **group:** SU. **other id:** PN 4165. Cultivated. Seed.
- PI 569593 **origin:** Sudan. **origin institute id:** IS 20506. **other id:** SU 1454. **group:** SU. **other id:** PN 4179. Cultivated. Seed.
- PI 569594 **origin:** Sudan. **origin institute id:** IS 20507. **other id:** SU 1455. **group:** SU. **other id:** PN 4209. Cultivated. Seed.
- PI 569595 **origin:** Sudan. **origin institute id:** IS 20508. **other id:** SU 1456. **group:** SU. **other id:** PN 4280. Cultivated. Seed.
- PI 569596 **origin:** Sudan. **origin institute id:** IS 20509. **other id:** SU 1457. **group:** SU. **other id:** PN 4281. Cultivated. Seed.
- PI 569597 **origin:** Sudan. **origin institute id:** IS 20510. **other id:** SU 1458. **group:** SU. **other id:** PN 4288. Cultivated. Seed.
- PI 569598 **origin:** Sudan. **origin institute id:** IS 20511. **other id:** SU 1459. **group:** SU. **other id:** PN 4292. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569599 **origin:** Sudan. **origin institute id:** IS 20512. **other id:** SU 1460. **group:** SU. **other id:** PN 4298. Cultivated. Seed.
- PI 569600 **origin:** Sudan. **origin institute id:** IS 20513. **other id:** SU 1461. **group:** SU. **other id:** PN 4369. Cultivated. Seed.
- PI 569601 **origin:** Sudan. **origin institute id:** IS 20514. **other id:** SU 1462. **group:** SU. **other id:** PN 4377. Cultivated. Seed.
- PI 569602 **origin:** Sudan. **origin institute id:** IS 20515. **other id:** SU 1463. **group:** SU. **other id:** PN 4404. Cultivated. Seed.
- PI 569603 **origin:** Sudan. **origin institute id:** IS 20516. **other id:** SU 1464. **group:** SU. **other id:** PN 4417. Cultivated. Seed.
- PI 569604 **origin:** Sudan. **origin institute id:** IS 20517. **other id:** SU 1465. **group:** SU. **other id:** PN 4431. Cultivated. Seed.
- PI 569605 **origin:** Sudan. **origin institute id:** IS 20518. **other id:** SU 1466. **group:** SU. **other id:** PN 4439. Cultivated. Seed.
- PI 569606 **origin:** Sudan. **origin institute id:** IS 20519. **other id:** SU 1467. **group:** SU. **other id:** PN 4468. Cultivated. Seed.
- PI 569607 **origin:** Sudan. **origin institute id:** IS 20520. **other id:** SU 1468. **group:** SU. **other id:** PN 4478. Cultivated. Seed.
- PI 569608 **origin:** Sudan. **origin institute id:** IS 20521. **other id:** SU 1469. **group:** SU. **other id:** PN 4587. Cultivated. Seed.
- PI 569609 **origin:** Sudan. **origin institute id:** IS 20522. **other id:** SU 1470. **group:** SU. **other id:** PN 4503. Cultivated. Seed.
- PI 569610 **origin:** Sudan. **origin institute id:** IS 20523. **other id:** SU 1471. **group:** SU. **other id:** PN 4543. Cultivated. Seed.
- PI 569611 **origin:** Sudan. **origin institute id:** IS 20524. **other id:** SU 1472. **group:** SU. **other id:** PN 4555. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569612 **origin:** Sudan. **origin institute id:** IS 20525. **other id:** SU 1473. **group:** SU. **other id:** PN 4559. Cultivated. Seed.
- PI 569613 **origin:** Sudan. **origin institute id:** IS 20526. **other id:** SU 1474. **group:** SU. **other id:** PN 4574. Cultivated. Seed.
- PI 569614 **origin:** Sudan. **origin institute id:** IS 20527. **other id:** SU 1475. **group:** SU. **other id:** PN 4590. Cultivated. Seed.
- PI 569615 **origin:** Sudan. **origin institute id:** IS 20528. **other id:** SU 1476. **group:** SU. **other id:** PN 4611. Cultivated. Seed.
- PI 569616 **origin:** Sudan. **origin institute id:** IS 20529. **other id:** SU 1477. **group:** SU. **other id:** PN 4616. Cultivated. Seed.
- PI 569617 **origin:** Sudan. **origin institute id:** IS 20530. **other id:** SU 1478. **group:** SU. **other id:** PN 4632. Cultivated. Seed.
- PI 569618 **origin:** Sudan. **origin institute id:** IS 20531. **other id:** SU 1479. **group:** SU. **other id:** PN 4656. Cultivated. Seed.
- PI 569619 **origin:** Sudan. **origin institute id:** IS 20532. **other id:** SU 1480. **group:** SU. **other id:** PN 4655. Cultivated. Seed.
- PI 569620 **origin:** Sudan. **origin institute id:** IS 20533. **other id:** SU 1481. **group:** SU. **other id:** PN 4658. Cultivated. Seed.
- PI 569621 **origin:** Sudan. **origin institute id:** IS 20534. **other id:** SU 1482. **group:** SU. **other id:** PN 4661. Cultivated. Seed.
- PI 569622 **origin:** Sudan. **origin institute id:** IS 20535. **other id:** SU 1483. **group:** SU. **other id:** PN 4677. Cultivated. Seed.
- PI 569623 **origin:** Sudan. **origin institute id:** IS 20536. **other id:** SU 1484. **group:** SU. **other id:** PN 4691. Cultivated. Seed.
- PI 569624 **origin:** Sudan. **origin institute id:** IS 20537. **other id:** SU 1485. **group:** SU. **other id:** PN 4723. Cultivated. Seed.

PI 568987 to 570607-continued

PI 569625 origin: Sudan. origin institute id: IS 20538. other id: SU 1486. group: SU. other id: PN 4744. Cultivated. Seed.

PI 569626 origin: Sudan. origin institute id: IS 20539. other id: SU 1487. group: SU. other id: PN 4761. Cultivated. Seed.

PI 569627 origin: Sudan. origin institute id: IS 20540. other id: SU 1488. group: SU. other id: PN 4771. Cultivated. Seed.

PI 569628 origin: Sudan. origin institute id: IS 20541. other id: SU 1489. group: SU. other id: PN 4776. Cultivated. Seed.

PI 569629 origin: Sudan. origin institute id: IS 20542. other id: SU 1490. group: SU. other id: PN 4814. Cultivated. Seed.

PI 569630 origin: Sudan. origin institute id: IS 20543. other id: SU 1491. group: SU. other id: PN 4819. Cultivated. Seed.

PI 569631 origin: Sudan. origin institute id: IS 20544. other id: SU 1492. group: SU. other id: PN 4830. Cultivated. Seed.

PI 569632 origin: Sudan. origin institute id: IS 20545. other id: SU 1493. group: SU. other id: PN 4842. Cultivated. Seed.

PI 569633 origin: Sudan. origin institute id: IS 20546. other id: SU 1494. group: SU. other id: PN 4863. Cultivated. Seed.

PI 569634 origin: Sudan. origin institute id: IS 20547. other id: SU 1495. group: SU. other id: PN 4887. Cultivated. Seed.

PI 569635 origin: Sudan. origin institute id: IS 20548. other id: SU 1496. group: SU. other id: PN 4907. Cultivated. Seed.

PI 569636 origin: Sudan. origin institute id: IS 20549. other id: SU 1497. group: SU. other id: PN 4908. Cultivated. Seed.

PI 569637 origin: Sudan. origin institute id: IS 20550. other id: SU 1498. group: SU. other id: PN 4916. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569638 origin: Sudan. origin institute id: IS 20551. other id: SU 1499. group: SU. other id: PN 4965. Cultivated. Seed.
- PI 569639 origin: Sudan. origin institute id: IS 20552. other id: SU 1500. group: SU. other id: PN 4969. Cultivated. Seed.
- PI 569640 origin: Sudan. origin institute id: IS 20553. other id: SU 1501. group: SU. other id: PN 4981. Cultivated. Seed.
- PI 569641 origin: Sudan. origin institute id: IS 20554. other id: SU 1502. group: SU. other id: PN 5033. Cultivated. Seed.
- PI 569642 origin: Sudan. origin institute id: IS 20555. other id: SU 1503. group: SU. other id: PN 5036. Cultivated. Seed.
- PI 569643 origin: Sudan. origin institute id: IS 20556. other id: SU 1504. group: SU. other id: PN 5038. Cultivated. Seed.
- PI 569644 origin: Sudan. origin institute id: IS 20557. other id: SU 1505. group: SU. other id: PN 5043. Cultivated. Seed.
- PI 569645 origin: Sudan. origin institute id: IS 20558. other id: SU 1506. group: SU. other id: PN 5045. Cultivated. Seed.
- PI 569646 origin: Sudan. origin institute id: IS 20559. other id: SU 1507. group: SU. other id: PN 5050. Cultivated. Seed.
- PI 569647 origin: Sudan. origin institute id: IS 20560. other id: SU 1508. group: SU. other id: PN 5057. Cultivated. Seed.
- PI 569648 origin: Sudan. origin institute id: IS 20561. other id: SU 1509. group: SU. other id: PN 5069. Cultivated. Seed.
- PI 569649 origin: Sudan. origin institute id: IS 20562. other id: SU 1510. group: SU. other id: PN 5073. Cultivated. Seed.
- PI 569650 origin: Sudan. origin institute id: IS 20563. other id: SU 1511. group: SU. other id: PN 5074. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569651 **origin:** Sudan. **origin institute id:** IS 20564. **other id:** SU 1512. **group:** SU. **other id:** PN 5087. Cultivated. Seed.
- PI 569652 **origin:** Sudan. **origin institute id:** IS 20565. **other id:** SU 1513. **group:** SU. **other id:** PN 5117. Cultivated. Seed.
- PI 569653 **origin:** Sudan. **origin institute id:** IS 20566. **other id:** SU 1514. **group:** SU. **other id:** PN 5126. Cultivated. Seed.
- PI 569654 **origin:** Sudan. **origin institute id:** IS 20567. **other id:** SU 1515. **group:** SU. **other id:** PN 5129. Cultivated. Seed.
- PI 569655 **origin:** Sudan. **origin institute id:** IS 20568. **other id:** SU 1516. **group:** SU. **other id:** PN 5134. Cultivated. Seed.
- PI 569656 **origin:** Sudan. **origin institute id:** IS 20569. **other id:** SU 1517. **group:** SU. **other id:** PN 5151. Cultivated. Seed.
- PI 569657 **origin:** Sudan. **origin institute id:** IS 20570. **other id:** SU 1518. **group:** SU. **other id:** PN 5152. Cultivated. Seed.
- PI 569658 **origin:** Sudan. **origin institute id:** IS 20571. **other id:** SU 1519. **group:** SU. **other id:** PN 5156. Cultivated. Seed.
- PI 569659 **origin:** Sudan. **origin institute id:** IS 20572. **other id:** SU 1520. **group:** SU. **other id:** PN 5161. Cultivated. Seed.
- PI 569660 **origin:** Sudan. **origin institute id:** IS 20573. **other id:** SU 1521. **group:** SU. **other id:** PN 5162. Cultivated. Seed.
- PI 569661 **origin:** Sudan. **origin institute id:** IS 20574. **other id:** SU 1522. **group:** SU. **other id:** PN 5164. Cultivated. Seed.
- PI 569662 **origin:** Sudan. **origin institute id:** IS 20575. **other id:** SU 1523. **group:** SU. **other id:** PN 5167. Cultivated. Seed.
- PI 569663 **origin:** Sudan. **origin institute id:** IS 20576. **other id:** SU 1524. **group:** SU. **other id:** PN 5176. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569664 **origin:** Sudan. **origin institute id:** IS 20577. **other id:** SU 1525. **group:** SU. **other id:** PN 5181. Cultivated. Seed.
- PI 569665 **origin:** Sudan. **origin institute id:** IS 20578. **cultivar:** TUB-7. **other id:** SU 1526. **group:** SU. **other id:** PN 5193. Cultivated. Seed.
- PI 569666 **origin:** Sudan. **origin institute id:** IS 20579. **cultivar:** DABAR. **other id:** SU 1527. **group:** SU. Cultivated. Seed.
- PI 569667 **origin:** Sudan. **origin institute id:** IS 20580. **cultivar:** KARK 4/1/1. **other id:** SU 1528. **group:** SU. Cultivated. Seed.
- PI 569668 **origin:** Sudan. **origin institute id:** IS 20581. **cultivar:** GADAN EL HARMAN. **other id:** SU 1529. **group:** SU. Cultivated. Seed.
- PI 569669 **origin:** Sudan. **origin institute id:** IS 20582. **other id:** SU 1530. **group:** SU. Cultivated. Seed.
- PI 569670 **origin:** Sudan. **origin institute id:** IS 20583. **other id:** SU 1531. **group:** SU. **other id:** PN 6009. Cultivated. Seed.
- PI 569671 **origin:** Sudan. **origin institute id:** IS 20584. **other id:** SU 1532. **group:** SU. **other id:** PN 6010. Cultivated. Seed.
- PI 569672 **origin:** Sudan. **origin institute id:** IS 20585. **other id:** SU 1533. **group:** SU. **other id:** PN 6041. Cultivated. Seed.
- PI 569673 **origin:** Sudan. **origin institute id:** IS 20586. **other id:** SU 1534. **group:** SU. **other id:** PN 6043. Cultivated. Seed.
- PI 569674 **origin:** Sudan. **origin institute id:** IS 20587. **other id:** SU 1535. **group:** SU. **other id:** PN 6050. Cultivated. Seed.
- PI 569675 **origin:** Sudan. **origin institute id:** IS 20588. **other id:** SU 1536. **group:** SU. **other id:** PN 6058. Cultivated. Seed.
- PI 569676 **origin:** Sudan. **origin institute id:** IS 20589. **other id:** SU 1537. **group:** SU. **other id:** PN 6059. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569677 origin: Sudan. origin institute id: IS 20590. other id: SU 1538. group: SU. other id: PN 6060. Cultivated. Seed.
- PI 569678 origin: Sudan. origin institute id: IS 20591. other id: SU 1539. group: SU. other id: PN 6125. Cultivated. Seed.
- PI 569679 origin: Sudan. origin institute id: IS 20592. other id: SU 1540. group: SU. other id: PN 6141. Cultivated. Seed.
- PI 569680 origin: Sudan. origin institute id: IS 20593. other id: SU 1541. group: SU. other id: PN 6142. Cultivated. Seed.
- PI 569681 origin: Sudan. origin institute id: IS 20594. other id: SU 1542. group: SU. other id: PN 6143. Cultivated. Seed.
- PI 569682 origin: Sudan. origin institute id: IS 20595. other id: SU 1543. group: SU. other id: PN 6147. Cultivated. Seed.
- PI 569683 origin: Sudan. origin institute id: IS 20596. other id: SU 1544. group: SU. other id: PN 6164. Cultivated. Seed.
- PI 569684 origin: Sudan. origin institute id: IS 20597. other id: SU 1545. group: SU. other id: PN 6165. Cultivated. Seed.
- PI 569685 origin: Sudan. origin institute id: IS 20598. other id: SU 1546. group: SU. other id: PN 6176. Cultivated. Seed.
- PI 569686 origin: Sudan. origin institute id: IS 20599. other id: SU 1547. group: SU. other id: PN 6183. Cultivated. Seed.
- PI 569687 origin: Sudan. origin institute id: IS 20600. other id: SU 1548. group: SU. other id: PN 6189. Cultivated. Seed.
- PI 569688 origin: Sudan. origin institute id: IS 20601. other id: SU 1549. group: SU. other id: PN 6195. Cultivated. Seed.
- PI 569689 origin: Sudan. origin institute id: IS 20602. other id: SU 1550. group: SU. other id: PN 6227. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569690 **origin:** Sudan. **origin institute id:** IS 20603. **other id:** SU 1551. **group:** SU. **other id:** PN 6282. Cultivated. Seed.
- PI 569691 **origin:** Sudan. **origin institute id:** IS 20604. **other id:** SU 1552. **group:** SU. **other id:** PN 6288. Cultivated. Seed.
- PI 569692 **origin:** Sudan. **origin institute id:** IS 20605. **other id:** SU 1553. **group:** SU. **other id:** PN 6290. Cultivated. Seed.
- PI 569693 **origin:** Sudan. **origin institute id:** IS 20606. **other id:** SU 1554. **group:** SU. **other id:** PN 6324. Cultivated. Seed.
- PI 569694 **origin:** Sudan. **origin institute id:** IS 20607. **other id:** SU 1555. **group:** SU. **other id:** PN 6333. Cultivated. Seed.
- PI 569695 **origin:** Sudan. **origin institute id:** IS 20855. **cultivar:** GASSALRI. **other id:** SU 1556. **group:** SU. Cultivated. Seed.
- PI 569696 **origin:** Sudan. **origin institute id:** IS 20856. **cultivar:** GALBELGAKHAO. **other id:** SU 1557. **group:** SU. Cultivated. Seed.
- PI 569697 **origin:** Sudan. **origin institute id:** IS 20862. **cultivar:** LOCAL MUGUD. **other id:** SU 1558. **group:** SU. Cultivated. Seed.
- PI 569698 **origin:** Sudan. **origin institute id:** IS 20863. **cultivar:** DZUGARAAZERAJAN. **other id:** SU 1559. **group:** SU. Cultivated. Seed.
- PI 569699 **origin:** Sudan. **origin institute id:** IS 21726. **other id:** SU 1560. **group:** SU. **other id:** Collection-86. Cultivated. Seed.
- PI 569700 **origin:** Sudan. **origin institute id:** IS 21727. **other id:** SU 1561. **group:** SU. **other id:** Collection-240. Cultivated. Seed.
- PI 569701 **origin:** Sudan. **origin institute id:** IS 21728. **other id:** SU 1562. **group:** SU. **other id:** Collection-267. Cultivated. Seed.
- PI 569702 **origin:** Sudan. **origin institute id:** IS 21729. **other id:** SU 1563. **group:** SU. **other id:** Collection-387. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569703 **origin:** Sudan. **origin institute id:** IS 21730. **other id:** SU 1564. **group:** SU. **other id:** Collection-446.
Cultivated. Seed.
- PI 569704 **origin:** Sudan. **origin institute id:** IS 21731. **other id:** SU 1565. **group:** SU. **other id:** Collection-500.
Cultivated. Seed.
- PI 569705 **origin:** Sudan. **origin institute id:** IS 21732. **other id:** SU 1566. **group:** SU. **other id:** Collection-549.
Cultivated. Seed.
- PI 569706 **origin:** Sudan. **origin institute id:** IS 21733. **other id:** SU 1567. **group:** SU. **other id:** Collection-554.
Cultivated. Seed.
- PI 569707 **origin:** Sudan. **origin institute id:** IS 21734. **other id:** SU 1568. **group:** SU. **other id:** Collection-557.
Cultivated. Seed.
- PI 569708 **origin:** Sudan. **origin institute id:** IS 21735. **other id:** SU 1569. **group:** SU. **other id:** Collection-781.
Cultivated. Seed.
- PI 569709 **origin:** Sudan. **origin institute id:** IS 21736. **other id:** SU 1570. **group:** SU. **other id:** Collection-782.
Cultivated. Seed.
- PI 569710 **origin:** Sudan. **origin institute id:** IS 21737. **other id:** SU 1571. **group:** SU. **other id:** Collection-870.
Cultivated. Seed.
- PI 569711 **origin:** Sudan. **origin institute id:** IS 21738. **other id:** SU 1572. **group:** SU. **other id:** Collection-884.
Cultivated. Seed.
- PI 569712 **origin:** Sudan. **origin institute id:** IS 21739. **other id:** SU 1573. **group:** SU. **other id:** Collection-915.
Cultivated. Seed.
- PI 569713 **origin:** Sudan. **origin institute id:** IS 21740. **other id:** SU 1574. **group:** SU. **other id:** Collection-922.
Cultivated. Seed.
- PI 569714 **origin:** Sudan. **origin institute id:** IS 21741. **other id:** SU 1575. **group:** SU. **other id:** Collection-938.
Cultivated. Seed.
- PI 569715 **origin:** Sudan. **origin institute id:** IS 21742. **other id:** SU 1576. **group:** SU. **other id:** Collection-939.
Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569716 **origin:** Sudan. **origin institute id:** IS 21743. **other id:** SU 1577. **group:** SU. **other id:** Collection-1004. Cultivated. Seed.
- PI 569717 **origin:** Sudan. **origin institute id:** IS 21744. **other id:** SU 1578. **group:** SU. **other id:** Collection-1030. Cultivated. Seed.
- PI 569718 **origin:** Sudan. **origin institute id:** IS 21745. **other id:** SU 1579. **group:** SU. **other id:** Collection-1072. Cultivated. Seed.
- PI 569719 **origin:** Sudan. **origin institute id:** IS 21746. **other id:** SU 1580. **group:** SU. **other id:** Collection-1097. Cultivated. Seed.
- PI 569720 **origin:** Sudan. **origin institute id:** IS 21747. **other id:** SU 1581. **group:** SU. Cultivated. Seed.
- PI 569721 **origin:** Sudan. **origin institute id:** IS 21748. **pedigree:** Ser1 selection WM-77-W-2. **other id:** SU 1582. **group:** SU. Cultivated. Seed.
- PI 569722 **origin:** Sudan. **origin institute id:** IS 21749. **pedigree:** Ser1 selection 513-WM-77-W-3. **other id:** SU 1583. **group:** SU. Cultivated. Seed.
- PI 569723 **origin:** Sudan. **origin institute id:** IS 21750. **pedigree:** Ser1 selection 9289-WM-77-W-5. **other id:** SU 1584. **group:** SU. Cultivated. Seed.
- PI 569724 **origin:** Sudan. **origin institute id:** IS 21751. **pedigree:** Ser1 selection 324-WM-77-W-10. **other id:** SU 1585. **group:** SU. Cultivated. Seed.
- PI 569725 **origin:** Sudan. **origin institute id:** IS 21752. **pedigree:** A-1567-WM-77-W-11. **other id:** SU 1586. **group:** SU. Cultivated. Seed.
- PI 569726 **origin:** Sudan. **origin institute id:** IS 21753. **pedigree:** 926-WM-77-W-12. **other id:** SU 1587. **group:** SU. Cultivated. Seed.
- PI 569727 **origin:** Sudan. **origin institute id:** IS 21754. **pedigree:** EA-64634-2-WM-77-W-18. **other id:** SU 1588. **group:** SU. Cultivated. Seed.
- PI 569728 **origin:** Sudan. **origin institute id:** IS 21755. **pedigree:** 501-3-WM-77-W-19. **other id:** SU 1589. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569729 **origin:** Sudan. **origin institute id:** IS 21756. **pedigree:** KARPEN-669-WM-77-W-45. **other id:** SU 1590. **group:** SU. Cultivated. Seed.
- PI 569730 **origin:** Sudan. **origin institute id:** IS 21757. **pedigree:** KARPEN-967-WM-77-W-48. **other id:** SU 1591. **group:** SU. Cultivated. Seed.
- PI 569731 **origin:** Sudan. **origin institute id:** IS 21758. **pedigree:** 6009-WM-77-W-76. **other id:** SU 1592. **group:** SU. Cultivated. Seed.
- PI 569732 **origin:** Sudan. **origin institute id:** IS 21759. **pedigree:** 6029-WM-77-W-78. **other id:** SU 1593. **group:** SU. Cultivated. Seed.
- PI 569733 **origin:** Sudan. **origin institute id:** IS 21760. **pedigree:** 6041-WM-77-W-79. **other id:** SU 1594. **group:** SU. Cultivated. Seed.
- PI 569734 **origin:** Sudan. **origin institute id:** IS 21761. **pedigree:** 6076-WM-77-W-81. **other id:** SU 1595. **group:** SU. Cultivated. Seed.
- PI 569735 **origin:** Sudan. **origin institute id:** IS 21762. **pedigree:** 6089-WM-77-W-82. **other id:** SU 1596. **group:** SU. Cultivated. Seed.
- PI 569736 **origin:** Sudan. **origin institute id:** IS 21763. **pedigree:** 6105-WM-77-W-83. **other id:** SU 1597. **group:** SU. Cultivated. Seed.
- PI 569737 **origin:** Sudan. **origin institute id:** IS 21764. **pedigree:** 6110-WM-77-W-84. **other id:** SU 1598. **group:** SU. Cultivated. Seed.
- PI 569738 **origin:** Sudan. **origin institute id:** IS 21765. **pedigree:** 6115-WM-77-W-85. **other id:** SU 1599. **group:** SU. Cultivated. Seed.
- PI 569739 **origin:** Sudan. **origin institute id:** IS 21766. **pedigree:** 6117-WM-77-W-86. **other id:** SU 1600. **group:** SU. Cultivated. Seed.
- PI 569740 **origin:** Sudan. **origin institute id:** IS 21767. **pedigree:** 6181-WM-77-W-87. **other id:** SU 1601. **group:** SU. Cultivated. Seed.
- PI 569741 **origin:** Sudan. **origin institute id:** IS 21768. **pedigree:** 6138-WM-77-W-88. **other id:** SU 1602. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569742 **origin:** Sudan. **origin institute id:** IS 21769. **pedigree:** 6143-WM-77-W-89. **other id:** SU 1603. **group:** SU. Cultivated. Seed.
- PI 569743 **origin:** Sudan. **origin institute id:** IS 21770. **pedigree:** 6150-WM-77-W-91. **other id:** SU 1604. **group:** SU. Cultivated. Seed.
- PI 569744 **origin:** Sudan. **origin institute id:** IS 21771. **pedigree:** 6169-WM-77-W-93. **other id:** SU 1605. **group:** SU. Cultivated. Seed.
- PI 569745 **origin:** Sudan. **origin institute id:** IS 21772. **pedigree:** 6193-WM-77-W-98. **other id:** SU 1606. **group:** SU. Cultivated. Seed.
- PI 569746 **origin:** Sudan. **origin institute id:** IS 21773. **pedigree:** 6198-WM-77-W-99. **other id:** SU 1607. **group:** SU. Cultivated. Seed.
- PI 569747 **origin:** Sudan. **origin institute id:** IS 21774. **pedigree:** 6199-WM-77-W-100. **other id:** SU 1608. **group:** SU. Cultivated. Seed.
- PI 569748 **origin:** Sudan. **origin institute id:** IS 21775. **pedigree:** 6213-WM-77-W-102. **other id:** SU 1609. **group:** SU. Cultivated. Seed.
- PI 569749 **origin:** Sudan. **origin institute id:** IS 21776. **pedigree:** 6224-WM-77-W-104. **other id:** SU 1610. **group:** SU. Cultivated. Seed.
- PI 569750 **origin:** Sudan. **origin institute id:** IS 21777. **pedigree:** 6269-WM-77-W-108. **other id:** SU 1611. **group:** SU. Cultivated. Seed.
- PI 569751 **origin:** Sudan. **origin institute id:** IS 21778. **pedigree:** 6270-WM-77-W-109. **other id:** SU 1612. **group:** SU. Cultivated. Seed.
- PI 569752 **origin:** Sudan. **origin institute id:** IS 21779. **pedigree:** 6313-WM-77-W-111. **other id:** SU 1613. **group:** SU. Cultivated. Seed.
- PI 569753 **origin:** Sudan. **origin institute id:** IS 21780. **pedigree:** 6323-WM-77-W-112. **other id:** SU 1614. **group:** SU. Cultivated. Seed.
- PI 569754 **origin:** Sudan. **origin institute id:** IS 21782. **pedigree:** 6328-WM-77-W-114. **other id:** SU 1616. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569755 **origin:** Sudan. **origin institute id:** IS 21783. **pedigree:** 6334-WM-77-W-115. **other id:** SU 1617. **group:** SU. Cultivated. Seed.
- PI 569756 **origin:** Sudan. **origin institute id:** IS 21784. **pedigree:** 6337-WM-77-W-116. **other id:** SU 1618. **group:** SU. Cultivated. Seed.
- PI 569757 **origin:** Sudan. **origin institute id:** IS 21785. **pedigree:** 6349-WM-77-W-117. **other id:** SU 1619. **group:** SU. Cultivated. Seed.
- PI 569758 **origin:** Sudan. **origin institute id:** IS 21786. **pedigree:** 6354-WM-77-W-118. **other id:** SU 1620. **group:** SU. Cultivated. Seed.
- PI 569759 **origin:** Sudan. **origin institute id:** IS 21787. **pedigree:** WM-77-W-309. **other id:** SU 1621. **group:** SU. Cultivated. Seed.
- PI 569760 **origin:** Sudan. **origin institute id:** IS 21788. **pedigree:** WM-77-W-308. **other id:** SU 1622. **group:** SU. Cultivated. Seed.
- PI 569761 **origin:** Sudan. **origin institute id:** IS 21789. **pedigree:** WM-77-W-310. **other id:** SU 1623. **group:** SU. Cultivated. Seed.
- PI 569762 **origin:** Sudan. **origin institute id:** IS 21790. **pedigree:** WM-77-4-368. **other id:** SU 1624. **group:** SU. Cultivated. Seed.
- PI 569763 **origin:** Sudan. **origin institute id:** IS 21791. **pedigree:** WM-77-W-370. **other id:** SU 1625. **group:** SU. Cultivated. Seed.
- PI 569764 **origin:** Sudan. **origin institute id:** IS 21792. **pedigree:** WM-77-W-373. **other id:** SU 1626. **group:** SU. Cultivated. Seed.
- PI 569765 **origin:** Sudan. **origin institute id:** IS 21793. **pedigree:** WM-77-W-376. **other id:** SU 1627. **group:** SU. Cultivated. Seed.
- PI 569766 **origin:** Sudan. **origin institute id:** IS 21794. **pedigree:** WM-77-W-377. **other id:** SU 1628. **group:** SU. Cultivated. Seed.
- PI 569767 **origin:** Sudan. **origin institute id:** IS 21795. **pedigree:** WM-77-W-378. **other id:** SU 1629. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569768 **origin:** Sudan. **origin institute id:** IS 21796. **pedigree:** WM-77-W-379. **other id:** SU 1630. **group:** SU. Cultivated. Seed.
- PI 569769 **origin:** Sudan. **origin institute id:** IS 21797. **pedigree:** WM-77-W-383. **other id:** SU 1631. **group:** SU. Cultivated. Seed.
- PI 569770 **origin:** Sudan. **origin institute id:** IS 21798. **pedigree:** WM-77-W-387. **other id:** SU 1632. **group:** SU. Cultivated. Seed.
- PI 569771 **origin:** Sudan. **origin institute id:** IS 21799. **pedigree:** WM-77-W-388. **other id:** SU 1633. **group:** SU. Cultivated. Seed.
- PI 569772 **origin:** Sudan. **origin institute id:** IS 21800. **pedigree:** WM-77-W-391. **other id:** SU 1634. **group:** SU. Cultivated. Seed.
- PI 569773 **origin:** Sudan. **origin institute id:** IS 21801. **pedigree:** WM-77-W-393. **other id:** SU 1635. **group:** SU. Cultivated. Seed.
- PI 569774 **origin:** Sudan. **origin institute id:** IS 21802. **pedigree:** WM-77-W-400. **other id:** SU 1636. **group:** SU. Cultivated. Seed.
- PI 569775 **origin:** Sudan. **origin institute id:** IS 21803. **pedigree:** WM-77-W-401. **other id:** SU 1637. **group:** SU. Cultivated. Seed.
- PI 569776 **origin:** Sudan. **origin institute id:** IS 21804. **other id:** SU 1638. **group:** SU. **other id:** 418-2 B. Cultivated. Seed.
- PI 569777 **origin:** Sudan. **origin institute id:** IS 21805. **other id:** SU 1639. **group:** SU. **other id:** 3677 B. Cultivated. Seed.
- PI 569778 **origin:** Sudan. **origin institute id:** IS 21806. **other id:** SU 1640. **group:** SU. **other id:** TX 622 B. Cultivated. Seed.
- PI 569779 **origin:** Sudan. **origin institute id:** IS 21807. **other id:** SU 1641. **group:** SU. **other id:** TX 623 B. Cultivated. Seed.
- PI 569780 **origin:** Sudan. **origin institute id:** IS 21808. **other id:** SU 1642. **group:** SU. **other id:** TX 624 B. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569781 **origin:** Sudan. **origin institute id:** IS 21809. **pedigree:** 3681/74 Origin-26. **other id:** SU 1643. **group:** SU. Cultivated. Seed.
- PI 569782 **origin:** Sudan. **origin institute id:** IS 21810. **pedigree:** 48:43/36 Origin-27. **other id:** SU 1644. **group:** SU. Cultivated. Seed.
- PI 569783 **origin:** Sudan. **origin institute id:** IS 21811. **pedigree:** 51:22/28 Origin-28. **other id:** SU 1645. **group:** SU. Cultivated. Seed.
- PI 569784 **origin:** Sudan. **origin institute id:** IS 21812. **pedigree:** 54:81/17 Origin-29. **other id:** SU 1646. **group:** SU. Cultivated. Seed.
- PI 569785 **origin:** Sudan. **origin institute id:** IS 21813. **pedigree:** 59:715 Origin-30. **other id:** SU 1647. **group:** SU. Cultivated. Seed.
- PI 569786 **origin:** Sudan. **origin institute id:** IS 21814. **pedigree:** 65:30/27 Origin-32. **other id:** SU 1648. **group:** SU. Cultivated. Seed.
- PI 569787 **origin:** Sudan. **origin institute id:** IS 21815. **pedigree:** 66:10/9 Origin-33. **other id:** SU 1649. **group:** SU. Cultivated. Seed.
- PI 569788 **origin:** Sudan. **origin institute id:** IS 21816. **pedigree:** 67:98/68 Origin-34. **other id:** SU 1650. **group:** SU. Cultivated. Seed.
- PI 569789 **origin:** Sudan. **origin institute id:** IS 21817. **pedigree:** Dapar 1/1/8 Origin-35. **other id:** SU 1651. **group:** SU. Cultivated. Seed.
- PI 569790 **origin:** Sudan. **origin institute id:** IS 21818. **pedigree:** Korkatib 4/1/1 Origin-36. **other id:** SU 1652. **group:** SU. Cultivated. Seed.
- PI 569791 **origin:** Sudan. **origin institute id:** IS 21819. **pedigree:** Alad 6/66 Origin-37. **other id:** SU 1653. **group:** SU. Cultivated. Seed.
- PI 569792 **origin:** Sudan. **origin institute id:** IS 21820. **pedigree:** Alad 6245 Origin-40. **other id:** SU 1654. **group:** SU. Cultivated. Seed.
- PI 569793 **origin:** Sudan. **origin institute id:** IS 21821. **pedigree:** Alad 6282 Origin-41. **other id:** SU 1655. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569794 **origin:** Sudan. **origin institute id:** IS 21822. **pedigree:** Alad 6287 Origin-42. **other id:** SU 1656. **group:** SU. Cultivated. Seed.
- PI 569795 **origin:** Sudan. **origin institute id:** IS 21823. **other id:** SU 1657. **group:** SU. **other id:** CK 74B. Cultivated. Seed.
- PI 569796 **origin:** Sudan. **origin institute id:** IS 21824. **other id:** SU 1658. **group:** SU. **other id:** 648 B. Cultivated. Seed.
- PI 569797 **origin:** Sudan. **origin institute id:** IS 21825. **other id:** SU 1659. **group:** SU. **other id:** 1005 B. Cultivated. Seed.
- PI 569798 **origin:** Sudan. **origin institute id:** IS 21826. **other id:** SU 1660. **group:** SU. **other id:** 1007 B. Cultivated. Seed.
- PI 569799 **origin:** Sudan. **origin institute id:** IS 21827. **other id:** SU 1661. **group:** SU. **other id:** 1009 B. Cultivated. Seed.
- PI 569800 **origin:** Sudan. **origin institute id:** IS 21829. **other id:** SU 1662. **group:** SU. **other id:** NDI-B. Cultivated. Seed.
- PI 569801 **origin:** Sudan. **origin institute id:** IS 21830. **other id:** SU 1663. **group:** SU. **other id:** HD 335. **other id:** CK 11-D-B. Cultivated. Seed.
- PI 569802 **origin:** Sudan. **origin institute id:** IS 21831. **other id:** SU 1664. **group:** SU. **other id:** HKI-B. Cultivated. Seed.
- PI 569803 **origin:** Sudan. **origin institute id:** IS 22357. **other id:** SU 1665. **group:** SU. **other id:** PGI-2. Cultivated. Seed.
- PI 569804 **origin:** Sudan. **origin institute id:** IS 22358. **other id:** SU 1666. **group:** SU. **other id:** PGI-4. Cultivated. Seed.
- PI 569805 **origin:** Sudan. **origin institute id:** IS 22359. **other id:** SU 1667. **group:** SU. **other id:** PGI-8. Cultivated. Seed.
- PI 569806 **origin:** Sudan. **origin institute id:** IS 22360. **cultivar:** ABUSEDEIN IMPROVED. **other id:** SU 1668. **group:** SU. **other id:** PGI-14. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569807 **origin:** Sudan. **origin institute id:** IS 22361. **cultivar:** MUGUD AHMER. **other id:** SU 1669. **group:** SU. **other id:** PGI-15. Cultivated. Seed.
- PI 569808 **origin:** Sudan. **origin institute id:** IS 22362. **cultivar:** TUB-22. **other id:** SU 1670. **group:** SU. **other id:** PGI-18. Cultivated. Seed.
- PI 569809 **origin:** Sudan. **origin institute id:** IS 22363. **cultivar:** WAD KAOHLA. **other id:** SU 1671. **group:** SU. **other id:** PGI-19. Cultivated. Seed.
- PI 569810 **origin:** Sudan. **origin institute id:** IS 22364. **cultivar:** AMBININE TUB-7. **other id:** SU 1672. **group:** SU. **other id:** PGI-21. Cultivated. Seed.
- PI 569811 **origin:** Sudan. **origin institute id:** IS 22365. **cultivar:** FETERITA ARYANA. **other id:** SU 1673. **group:** SU. **other id:** PGI-23. Cultivated. Seed.
- PI 569812 **origin:** Sudan. **origin institute id:** IS 22366. **cultivar:** FETERITA ARYANA. **other id:** SU 1674. **group:** SU. **other id:** PGI-24. Cultivated. Seed.
- PI 569813 **origin:** Sudan. **origin institute id:** IS 22367. **cultivar:** FETERITA BALADI. **other id:** SU 1675. **group:** SU. **other id:** PGI-25. Cultivated. Seed.
- PI 569814 **origin:** Sudan. **origin institute id:** IS 22368. **cultivar:** FETERITA STAVE. **other id:** SU 1676. **group:** SU. **other id:** PGI-26. Cultivated. Seed.
- PI 569815 **origin:** Sudan. **origin institute id:** IS 22369. **cultivar:** FETERITA BALADI. **other id:** SU 1677. **group:** SU. **other id:** PGI-27. Cultivated. Seed.
- PI 569816 **origin:** Sudan. **origin institute id:** IS 22370. **cultivar:** FETERITA ARYANA. **other id:** SU 1678. **group:** SU. **other id:** PGI-28. Cultivated. Seed.
- PI 569817 **origin:** Sudan. **origin institute id:** IS 22371. **cultivar:** FETERITA RAS-EL-GRID. **other id:** SU 1679. **group:** SU. **other id:** PGI-29. Cultivated. Seed.
- PI 569818 **origin:** Sudan. **origin institute id:** IS 22372. **cultivar:** WAD FARAG. **other id:** SU 1680. **group:** SU. **other id:** PGI-31. Cultivated. Seed.
- PI 569819 **origin:** Sudan. **origin institute id:** IS 22373. **other id:** SU 1681. **group:** SU. **other id:** PGI-32. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569820 **origin:** Sudan. **origin institute id:** IS 22374. **cultivar:** SAFRA. **other id:** SU 1682. **group:** SU. **other id:** PGI-33-2. Cultivated. Seed.
- PI 569821 **origin:** Sudan. **origin institute id:** IS 22375. **cultivar:** SAFRA. **other id:** SU 1683. **group:** SU. **other id:** PGI-35. Cultivated. Seed.
- PI 569822 **origin:** Sudan. **origin institute id:** IS 22376. **cultivar:** MUGUD AHMER. **other id:** SU 1684. **group:** SU. **other id:** PGI-37. Cultivated. Seed.
- PI 569823 **origin:** Sudan. **origin institute id:** IS 22377. **cultivar:** WAD AKHER AHMER. **other id:** SU 1685. **group:** SU. **other id:** PGI-38-1. Cultivated. Seed.
- PI 569824 **origin:** Sudan. **origin institute id:** IS 22378. **cultivar:** WAD AKHER ABYAD. **other id:** SU 1686. **group:** SU. **other id:** PGI-39-1. Cultivated. Seed.
- PI 569825 **origin:** Sudan. **origin institute id:** IS 22379. **cultivar:** WAD AKHER AHMER. **other id:** SU 1687. **group:** SU. **other id:** PGI-40-1. Cultivated. Seed.
- PI 569826 **origin:** Sudan. **origin institute id:** IS 22380. **cultivar:** DABAR-BALADI. **other id:** SU 1688. **group:** SU. **other id:** PGI-42-1. Cultivated. Seed.
- PI 569827 **origin:** Sudan. **origin institute id:** IS 22381. **cultivar:** DABAR-BALADI. **other id:** SU 1689. **group:** SU. **other id:** PGI-43-1. Cultivated. Seed.
- PI 569828 **origin:** Sudan. **origin institute id:** IS 22382. **cultivar:** SAFRA. **other id:** SU 1690. **group:** SU. **other id:** PGI-45-1. Cultivated. Seed.
- PI 569829 **origin:** Sudan. **origin institute id:** IS 22383. **cultivar:** MALEEK. **other id:** SU 1691. **group:** SU. **other id:** PGI-46-1. Cultivated. Seed.
- PI 569830 **origin:** Sudan. **origin institute id:** IS 22384. **cultivar:** MUGUD. **other id:** SU 1692. **group:** SU. **other id:** PGI-48-1. Cultivated. Seed.
- PI 569831 **origin:** Sudan. **origin institute id:** IS 22385. **cultivar:** MUGUD. **other id:** SU 1693. **group:** SU. **other id:** PGI-49-1. Cultivated. Seed.
- PI 569832 **origin:** Sudan. **origin institute id:** IS 22386. **cultivar:** MUGUD. **other id:** SU 1694. **group:** SU. **other id:** PGI-50-1. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569833 origin: Sudan. origin institute id: IS 22387. other id: SU 1695. group: SU. other id: PGI-51-1. Cultivated. Seed.
- PI 569834 origin: Sudan. origin institute id: IS 22388. other id: SU 1696. group: SU. other id: PGI-52. Cultivated. Seed.
- PI 569835 origin: Sudan. origin institute id: IS 22389. cultivar: SHAMSUM. other id: SU 1697. group: SU. other id: PGI-53-1. Cultivated. Seed.
- PI 569836 origin: Sudan. origin institute id: IS 22390. cultivar: ANKOLIB. other id: SU 1698. group: SU. other id: PGI-54-1. Cultivated. Seed.
- PI 569837 origin: Sudan. origin institute id: IS 22391. cultivar: MUGUD. other id: SU 1699. group: SU. other id: PGI-57-1. Cultivated. Seed.
- PI 569838 origin: Sudan. origin institute id: IS 22392. cultivar: WAD AKHER AHMER. other id: SU 1700. group: SU. other id: PGI-58-1. Cultivated. Seed.
- PI 569839 origin: Sudan. origin institute id: IS 22393. cultivar: MAYO. other id: SU 1701. group: SU. other id: PGI-60-1. Cultivated. Seed.
- PI 569840 origin: Sudan. origin institute id: IS 22394. cultivar: WAD FAHAL. other id: SU 1702. group: SU. other id: PGI-61-1. Cultivated. Seed.
- PI 569841 origin: Sudan. origin institute id: IS 22395. cultivar: WAD FAHAL. other id: SU 1703. group: SU. other id: PGI-62-1. Cultivated. Seed.
- PI 569842 origin: Sudan. origin institute id: IS 22396. cultivar: MAYO. other id: SU 1704. group: SU, other id: PGI-63-1. Cultivated. Seed.
- PI 569843 origin: Sudan. origin institute id: IS 22397. cultivar: MAYO. other id: SU 1705. group: SU. other id: PGI-64-1. Cultivated. Seed.
- PI 569844 origin: Sudan. origin institute id: IS 22398. cultivar: RAS-EL-GRID. other id: SU 1706. group: SU. other id: PGI-65-1. Cultivated. Seed.
- PI 569845 origin: Sudan. origin institute id: IS 22399. cultivar: KURGI. other id: SU 1707. group: SU. other id: PGI-66-1. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569846 origin: Sudan. origin institute id: IS 22400. cultivar: GADEM-EL-HAMAM. other id: SU 1708. group: SU. other id: PGI-67-1. Cultivated. Seed.
- PI 569847 origin: Sudan. origin institute id: IS 22401. other id: SU 1709. group: SU. other id: PGI-72. Cultivated. Seed.
- PI 569848 origin: Sudan. origin institute id: IS 22402. other id: SU 1710. group: SU. other id: PGI-73. Cultivated. Seed.
- PI 569849 origin: Sudan. origin institute id: IS 22403. cultivar: DABAR-BALADI. other id: SU 1711. group: SU. other id: PGI-74-1. Cultivated. Seed.
- PI 569850 origin: Sudan. origin institute id: IS 22404. cultivar: FETERITA. other id: SU 1712. group: SU. other id: PGI-78-1. Cultivated. Seed.
- PI 569851 origin: Sudan. origin institute id: IS 22405. cultivar: FETERITA. other id: SU 1713. group: SU. other id: PGI-79-1. Cultivated. Seed.
- PI 569852 origin: Sudan. origin institute id: IS 22406. cultivar: FETERITA. other id: SU 1714. group: SU. other id: PGI-80-1. Cultivated. Seed.
- PI 569853 origin: Sudan. origin institute id: IS 22407. cultivar: GASSABI. other id: SU 1715. group: SU. other id: PGI-83. Cultivated. Seed.
- PI 569854 origin: Sudan. origin institute id: IS 22408. cultivar: ABUDOGEIS. other id: SU 1716. group: SU. other id: PIA-84-1. Cultivated. Seed.
- PI 569855 origin: Sudan. origin institute id: IS 22409. cultivar: DABAR. other id: SU 1717. group: SU. other id: PIA-85-1. Cultivated. Seed.
- PI 569856 origin: Sudan. origin institute id: IS 22410. cultivar: WAD AKHER. other id: SU 1718. group: SU. other id: PIA-86-1. Cultivated. Seed.
- PI 569857 origin: Sudan. origin institute id: IS 22411. cultivar: WAD AKHER. other id: SU 1719. group: SU. other id: PIA-87-1. Cultivated. Seed.
- PI 569858 origin: Sudan. origin institute id: IS 22412. cultivar: WAD AKHER. other id: SU 1720. group: SU. other id: PIA-88-1. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569859 origin: Sudan. origin institute id: IS 22413. other id: SU 1721. group: SU. other id: PIA-91-1. Cultivated. Seed.
- PI 569860 origin: Sudan. origin institute id: IS 22414. other id: SU 1722. group: SU. other id: PIA-92-2. Cultivated. Seed.
- PI 569861 origin: Sudan. origin institute id: IS 22415. other id: SU 1723. group: SU. other id: PIA-93-2. Cultivated. Seed.
- PI 569862 origin: Sudan. origin institute id: IS 22416. cultivar: WADYABEIS. other id: SU 1724. group: SU. other id: PIA-95-1. Cultivated. Seed.
- PI 569863 origin: Sudan. origin institute id: IS 22417. cultivar: DINDIRAWI. other id: SU 1725. group: SU. other id: PIA-98-1. Cultivated. Seed.
- PI 569864 origin: Sudan. origin institute id: IS 22418. cultivar: DINDIRAWI. other id: SU 1726. group: SU. other id: PIA-99-1. Cultivated. Seed.
- PI 569865 origin: Sudan. origin institute id: IS 22419. other id: SU 1727. group: SU. other id: PIA-101-2. Cultivated. Seed.
- PI 569866 origin: Sudan. origin institute id: IS 22420. other id: SU 1728. group: SU. other id: PIA-103-1. Cultivated. Seed.
- PI 569867 origin: Sudan. origin institute id: IS 22421. cultivar: WAD MUGHBASH. other id: SU 1729. group: SU. other id: PIA-106-2. Cultivated. Seed.
- PI 569868 origin: Sudan. origin institute id: IS 22422. cultivar: KURGI. other id: SU 1730. group: SU. other id: PIA-107-2. Cultivated. Seed.
- PI 569869 origin: Sudan. origin institute id: IS 22423. other id: SU 1731. group: SU. other id: PIA-108-1. Cultivated. Seed.
- PI 569870 origin: Sudan. origin institute id: IS 22424. other id: SU 1732. group: SU. other id: PIA-108-2. Cultivated. Seed.
- PI 569871 origin: Sudan. origin institute id: IS 22425. other id: SU 1733. group: SU. other id: PIA-109-2. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569872 origin: Sudan. origin institute id: IS 22426. cultivar: KURGI. other id: SU 1734. group: SU. other id: PIA-110-1. Cultivated. Seed.
- PI 569873 origin: Sudan. origin institute id: IS 22427. other id: SU 1735. group: SU. other id: PIA-111-2. Cultivated. Seed.
- PI 569874 origin: Sudan. origin institute id: IS 22428. other id: SU 1736. group: SU. other id: PIA-112-1. Cultivated. Seed.
- PI 569875 origin: Sudan. origin institute id: IS 22429. other id: SU 1737. group: SU. other id: PIA-114-2. Cultivated. Seed.
- PI 569876 origin: Sudan. origin institute id: IS 22430. other id: SU 1738. group: SU. other id: PIA-115-1. Cultivated. Seed.
- PI 569877 origin: Sudan. origin institute id: IS 22431. other id: SU 1739. group: SU. other id: PIA-116-1. Cultivated. Seed.
- PI 569878 origin: Sudan. origin institute id: IS 22432. cultivar: ZANGADA. other id: SU 1740. group: SU. other id: PIA-117-1. Cultivated. Seed.
- PI 569879 origin: Sudan. origin institute id: IS 22433. cultivar: TIBIS-WHITE. other id: SU 1741. group: SU. other id: PIA-119-2. Cultivated. Seed.
- PI 569880 origin: Sudan. origin institute id: IS 22434. cultivar: TIBIS-STRAW. other id: SU 1742. group: SU. other id: PIA-120-1. Cultivated. Seed.
- PI 569881 origin: Sudan. origin institute id: IS 22435. cultivar: KURGI-AHMER. other id: SU 1743. group: SU. other id: PIA-121-1. Cultivated. Seed.
- PI 569882 origin: Sudan. origin institute id: IS 22436. cultivar: RAGABAT-EL-GAMAH. other id: SU 1744. group: SU. other id: PIA-122-1. Cultivated. Seed.
- PI 569883 origin: Sudan. origin institute id: IS 22437. cultivar: BAKHANA-AHMER. other id: SU 1745. group: SU. other id: PIA-123-1. Cultivated. Seed.
- PI 569884 origin: Sudan. origin institute id: IS 22438. cultivar: KUDUM. other id: SU 1746. group: SU. other id: PIA-124-1. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569885 origin: Sudan. origin institute id: IS 22439. cultivar: ZIRA-EL-SABI. other id: SU 1747. group: SU. other id: PIA-126-2. Cultivated. Seed.
- PI 569886 origin: Sudan. origin institute id: IS 22440. other id: SU 1748. group: SU. other id: PIA-127-2. Cultivated. Seed.
- PI 569887 origin: Sudan. origin institute id: IS 22441. cultivar: MAGNATEESE. other id: SU 1749. group: SU. other id: PIA-128-1. Cultivated. Seed.
- PI 569888 origin: Sudan. origin institute id: IS 22442. cultivar: NAZAD. other id: SU 1750. group: SU. other id: PIA-129-1. Cultivated. Seed.
- PI 569889 origin: Sudan. origin institute id: IS 22443. cultivar: TEBSIK ABEID. other id: SU 1751. group: SU. other id: PIA-130-1. Cultivated. Seed.
- PI 569890 origin: Sudan. origin institute id: IS 22444. cultivar: TEBSIK AHMER. other id: SU 1752. group: SU. other id: PIA-131-2. Cultivated. Seed.
- PI 569891 origin: Sudan. origin institute id: IS 22445. cultivar: TEBSIK ASFAR. other id: SU 1753. group: SU. other id: PIA-132-1. Cultivated. Seed.
- PI 569892 origin: Sudan. origin institute id: IS 22446. cultivar: TEBSIK ABEID. other id: SU 1754. group: SU. other id: PIA-133-1. Cultivated. Seed.
- PI 569893 origin: Sudan. origin institute id: IS 22447. cultivar: FANGAWA. other id: SU 1755. group: SU. other id: PIA-135-1. Cultivated. Seed.
- PI 569894 origin: Sudan. origin institute id: IS 22448. cultivar: TEBSIK ABID. other id: SU 1756. group: SU. other id: PIA-136-1. Cultivated. Seed.
- PI 569895 origin: Sudan. origin institute id: IS 22449. cultivar: TEBSIK ASWAD. other id: SU 1757. group: SU. other id: PIA-137-1. Cultivated. Seed.
- PI 569896 origin: Sudan. origin institute id: IS 22450. cultivar: ZERA-ZERA. other id: SU 1758. group: SU. other id: PIA-138-1. Cultivated. Seed.
- PI 569897 origin: Sudan. origin institute id: IS 22451. cultivar: GADAN-EL-HAMAM. other id: SU 1759. group: SU. other id: PIA-139-1. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569898 **origin:** Sudan. **origin institute id:** IS 22452. **cultivar:** DABAR. **other id:** SU 1760. **group:** SU. **other id:** PIA-140-1. Cultivated. Seed.
- PI 569899 **origin:** Sudan. **origin institute id:** IS 22453. **cultivar:** ZERA-ZERA. **other id:** SU 1761. **group:** SU. **other id:** PIA-141-1. Cultivated. Seed.
- PI 569900 **origin:** Sudan. **origin institute id:** IS 22454. **cultivar:** ZERA-ZERA. **other id:** SU 1762. **group:** SU. **other id:** PIA-142-2. Cultivated. Seed.
- PI 569901 **origin:** Sudan. **origin institute id:** IS 22455. **cultivar:** WADYABESIS-ABEID. **other id:** SU 1763. **group:** SU. **other id:** PIA-143-2. Cultivated. Seed.
- PI 569902 **origin:** Sudan. **origin institute id:** IS 22456. **cultivar:** WADYABESIS-AHMER. **other id:** SU 1764. **group:** SU. **other id:** PIA-144-1. Cultivated. Seed.
- PI 569903 **origin:** Sudan. **origin institute id:** IS 22457. **cultivar:** ZERA-ZERA. **other id:** SU 1765. **group:** SU. **other id:** PIA-145-2. Cultivated. Seed.
- PI 569904 **origin:** Sudan. **origin institute id:** IS 22458. **cultivar:** WADYABIS. **other id:** SU 1766. **group:** SU. **other id:** PIA-148-1. Cultivated. Seed.
- PI 569905 **origin:** Sudan. **origin institute id:** IS 22459. **cultivar:** ZERA-ZERA. **other id:** SU 1767. **group:** SU. **other id:** PIA-152-2. Cultivated. Seed.
- PI 569906 **origin:** Sudan. **origin institute id:** IS 22460. **cultivar:** ZERA-ZERA. **other id:** SU 1768. **group:** SU. **other id:** PIA-153-1. Cultivated. Seed.
- PI 569907 **origin:** Sudan. **origin institute id:** IS 22461. **cultivar:** ZERA-ZERA. **other id:** SU 1769. **group:** SU. **other id:** PIA-154. Cultivated. Seed.
- PI 569908 **origin:** Sudan. **origin institute id:** IS 22462. **cultivar:** ZERA-ZERA. **other id:** SU 1770. **group:** SU. **other id:** PIA-155. Cultivated. Seed.
- PI 569909 **origin:** Sudan. **origin institute id:** IS 22463. **cultivar:** ZERA-ZERA. **other id:** SU 1771. **group:** SU. **other id:** PIA-156. Cultivated. Seed.
- PI 569910 **origin:** Sudan. **origin institute id:** IS 22464. **cultivar:** ZERA-ZERA. **other id:** SU 1772. **group:** SU. **other id:** PIA-157. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569911 origin: Sudan. origin institute id: IS 22465. cultivar: ZERA-ZERA. other id: SU 1773. group: SU. other id: PIA-158. Cultivated. Seed.
- PI 569912 origin: Sudan. origin institute id: IS 22466. cultivar: ZERA-ZERA. other id: SU 1774. group: SU. other id: PIA-159. Cultivated. Seed.
- PI 569913 origin: Sudan. origin institute id: IS 22467. cultivar: ZERA-ZERA. other id: SU 1775. group: SU. other id: PIA-160. Cultivated. Seed.
- PI 569914 origin: Sudan. origin institute id: IS 22468. cultivar: ZERA-ZERA. other id: SU 1776. group: SU. other id: PIA-161. Cultivated. Seed.
- PI 569915 origin: Sudan. origin institute id: IS 22469. cultivar: ZERA-ZERA. other id: SU 1777. group: SU. other id: PIA-162. Cultivated. Seed.
- PI 569916 origin: Sudan. origin institute id: IS 22470. cultivar: ZERA-ZERA. other id: SU 1778. group: SU. other id: PIA-163. Cultivated. Seed.
- PI 569917 origin: Sudan. origin institute id: IS 22471. cultivar: DABAR. other id: SU 1779. group: SU. other id: PIA-164. Cultivated. Seed.
- PI 569918 origin: Sudan. origin institute id: IS 22472. cultivar: DABAR. other id: SU 1780. group: SU. other id: PIA-165. Cultivated. Seed.
- PI 569919 origin: Sudan. origin institute id: IS 22473. cultivar: DABAR. other id: SU 1781. group: SU. other id: PIA-167. Cultivated. Seed.
- PI 569920 origin: Sudan. origin institute id: IS 22474. cultivar: DABAR. other id: SU 1782. group: SU. other id: PIA-168. Cultivated. Seed.
- PI 569921 origin: Sudan. origin institute id: IS 22475. cultivar: DABAR. other id: SU 1783. group: SU. other id: PIA-169. Cultivated. Seed.
- PI 569922 origin: Sudan. origin institute id: IS 22476. cultivar: DABAR. other id: SU 1784. group: SU. other id: PIA-170. Cultivated. Seed.
- PI 569923 origin: Sudan. origin institute id: IS 22477. cultivar: DABAR. other id: SU 1785. group: SU. other id: PIA-171. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569924 **origin:** Sudan. **origin institute id:** IS 22479. **cultivar:** DABAR. **other id:** SU 1786. **group:** SU. **other id:** PIA-174-1. Cultivated. Seed.
- PI 569925 **origin:** Sudan. **origin institute id:** IS 22480. **cultivar:** FETERITA. **other id:** SU 1787. **group:** SU. **other id:** PIA-175-1. Cultivated. Seed.
- PI 569926 **origin:** Sudan. **origin institute id:** IS 22481. **cultivar:** SAFRA. **other id:** SU 1788. **group:** SU. **other id:** PIA-176-1. Cultivated. Seed.
- PI 569927 **origin:** Sudan. **origin institute id:** IS 22482. **other id:** SU 1789. **group:** SU. **other id:** A-4-A. Cultivated. Seed.
- PI 569928 **origin:** Sudan. **origin institute id:** IS 22483. **other id:** SU 1790. **group:** SU. **other id:** A-4-M. Cultivated. Seed.
- PI 569929 **origin:** Sudan. **origin institute id:** IS 22484. **other id:** SU 1791. **group:** SU. **other id:** A-7-A. Cultivated. Seed.
- PI 569930 **origin:** Sudan. **origin institute id:** IS 22485. **other id:** SU 1792. **group:** SU. **other id:** A-7-M. Cultivated. Seed.
- PI 569931 **origin:** Sudan. **origin institute id:** IS 22486. **other id:** SU 1793. **group:** SU. **other id:** A-9-A. Cultivated. Seed.
- PI 569932 **origin:** Sudan. **origin institute id:** IS 22487. **other id:** SU 1794. **group:** SU. **other id:** A-11-A. Cultivated. Seed.
- PI 569933 **origin:** Sudan. **origin institute id:** IS 22488. **other id:** SU 1795. **group:** SU. **other id:** A-20-A. Cultivated. Seed.
- PI 569934 **origin:** Sudan. **origin institute id:** IS 22489. **other id:** SU 1796. **group:** SU. **other id:** A-20-M. Cultivated. Seed.
- PI 569935 **origin:** Sudan. **origin institute id:** IS 22490. **other id:** SU 1797. **group:** SU. **other id:** A-33-A. Cultivated. Seed.
- PI 569936 **origin:** Sudan. **origin institute id:** IS 22491. **other id:** SU 1798. **group:** SU. **other id:** A-33-S. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569937 **origin:** Sudan. **origin institute id:** IS 22492. **other id:** SU 1799. **group:** SU. **other id:** A-36-A. Cultivated. Seed.
- PI 569938 **origin:** Sudan. **origin institute id:** IS 22493. **other id:** SU 1800. **group:** SU. **other id:** A-44-A. Cultivated. Seed.
- PI 569939 **origin:** Sudan. **origin institute id:** IS 22494. **other id:** SU 1801. **group:** SU. **other id:** A-45-A. Cultivated. Seed.
- PI 569940 **origin:** Sudan. **origin institute id:** IS 22495. **other id:** SU 1802. **group:** SU. **other id:** A-45-S. Cultivated. Seed.
- PI 569941 **origin:** Sudan. **origin institute id:** IS 22496. **other id:** SU 1803. **group:** SU. **other id:** A-69-A. Cultivated. Seed.
- PI 569942 **origin:** Sudan. **origin institute id:** IS 22497. **other id:** SU 1804. **group:** SU. **other id:** A-69-M. Cultivated. Seed.
- PI 569943 **origin:** Sudan. **origin institute id:** IS 22498. **other id:** SU 1805. **group:** SU. **other id:** A-69-S. Cultivated. Seed.
- PI 569944 **origin:** Sudan. **origin institute id:** IS 22499. **other id:** SU 1806. **group:** SU. **other id:** A-101-A. Cultivated. Seed.
- PI 569945 **origin:** Sudan. **origin institute id:** IS 22500. **other id:** SU 1807. **group:** SU. **other id:** A-108-A. Cultivated. Seed.
- PI 569946 **origin:** Sudan. **origin institute id:** IS 22501. **other id:** SU 1808. **group:** SU. **other id:** A-114-A. Cultivated. Seed.
- PI 569947 **origin:** Sudan. **origin institute id:** IS 22502. **other id:** SU 1809. **group:** SU. **other id:** A-118-A. Cultivated. Seed.
- PI 569948 **origin:** Sudan. **origin institute id:** IS 22503. **other id:** SU 1810. **group:** SU. **other id:** A-118-A. Cultivated. Seed.
- PI 569949 **origin:** Sudan. **origin institute id:** IS 22504. **other id:** SU 1811. **group:** SU. **other id:** A-119-A. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569950 **origin:** Sudan. **origin institute id:** IS 22505. **other id:** SU 1812. **group:** SU. **other id:** A-133-A. Cultivated. Seed.
- PI 569951 **origin:** Sudan. **origin institute id:** IS 22506. **other id:** SU 1813. **group:** SU. **other id:** A-144-A. Cultivated. Seed.
- PI 569952 **origin:** Sudan. **origin institute id:** IS 22508. **other id:** SU 1814. **group:** SU. **other id:** A-160-A. Cultivated. Seed.
- PI 569953 **origin:** Sudan. **origin institute id:** IS 22509. **other id:** SU 1815. **group:** SU. **other id:** A-164-A. Cultivated. Seed.
- PI 569954 **origin:** Sudan. **origin institute id:** IS 22510. **other id:** SU 1816. **group:** SU. **other id:** A-164-M. Cultivated. Seed.
- PI 569955 **origin:** Sudan. **origin institute id:** IS 22511. **other id:** SU 1817. **group:** SU. **other id:** A-166-M. Cultivated. Seed.
- PI 569956 **origin:** Sudan. **origin institute id:** IS 22512. **other id:** SU 1818. **group:** SU. **other id:** A-186-A. Cultivated. Seed.
- PI 569957 **origin:** Sudan. **origin institute id:** IS 22513. **other id:** SU 1819. **group:** SU. **other id:** A-187-A. Cultivated. Seed.
- PI 569958 **origin:** Sudan. **origin institute id:** IS 22514. **other id:** SU 1820. **group:** SU. **other id:** A-190-A. Cultivated. Seed.
- PI 569959 **origin:** Sudan. **origin institute id:** IS 22515. **other id:** SU 1821. **group:** SU. **other id:** A-201-A. Cultivated. Seed.
- PI 569960 **origin:** Sudan. **origin institute id:** IS 22516. **other id:** SU 1822. **group:** SU. **other id:** A-208-S. Cultivated. Seed.
- PI 569961 **origin:** Sudan. **origin institute id:** IS 22517. **other id:** SU 1823. **group:** SU. **other id:** A-210-A. Cultivated. Seed.
- PI 569962 **origin:** Sudan. **origin institute id:** IS 22518. **other id:** SU 1824. **group:** SU. **other id:** A-216-A. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569963 origin: Sudan. origin institute id: IS 22519. other id: SU 1825. group: SU. other id: A-222-A. Cultivated. Seed.
- PI 569964 origin: Sudan. origin institute id: IS 22520. other id: SU 1826. group: SU. other id: A-222-S. Cultivated. Seed.
- PI 569965 origin: Sudan. origin institute id: IS 22521. other id: SU 1827. group: SU. other id: A-222-M. Cultivated. Seed.
- PI 569966 origin: Sudan. origin institute id: IS 22522. other id: SU 1828. group: SU. other id: A-226-A. Cultivated. Seed.
- PI 569967 origin: Sudan. origin institute id: IS 22523. other id: SU 1829. group: SU. other id: A-228-A. Cultivated. Seed.
- PI 569968 origin: Sudan. origin institute id: IS 22524. other id: SU 1830. group: SU. other id: A-232-A. Cultivated. Seed.
- PI 569969 origin: Sudan. origin institute id: IS 22525. other id: SU 1831. group: SU. other id: A-232-M. Cultivated. Seed.
- PI 569970 origin: Sudan. origin institute id: IS 22527. other id: SU 1832. group: SU. other id: A-233-M. Cultivated. Seed.
- PI 569971 origin: Sudan. origin institute id: IS 22528. other id: SU 1833. group: SU. other id: A-241-A. Cultivated. Seed.
- PI 569972 origin: Sudan. origin institute id: IS 22529. other id: SU 1834. group: SU. other id: A-241-M. Cultivated. Seed.
- PI 569973 origin: Sudan. origin institute id: IS 22530. other id: SU 1835. group: SU. other id: A-248-A. Cultivated. Seed.
- PI 569974 origin: Sudan. origin institute id: IS 22531. other id: SU 1836. group: SU. other id: A-263-A. Cultivated. Seed.
- PI 569975 origin: Sudan. origin institute id: IS 22532. other id: SU 1837. group: SU. other id: A-266-M. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569976 **origin:** Sudan. **origin institute id:** IS 22533. **other id:** SU 1838. **group:** SU. **other id:** A-268-A. Cultivated. Seed.
- PI 569977 **origin:** Sudan. **origin institute id:** IS 22534. **other id:** SU 1839. **group:** SU. **other id:** A-268-M. Cultivated. Seed.
- PI 569978 **origin:** Sudan. **origin institute id:** IS 22535. **other id:** SU 1840. **group:** SU. **other id:** A-269-A. Cultivated. Seed.
- PI 569979 **origin:** Sudan. **origin institute id:** IS 22536. **other id:** SU 1841. **group:** SU. **other id:** A-269-M. Cultivated. Seed.
- PI 569980 **origin:** Sudan. **origin institute id:** IS 22537. **other id:** SU 1842. **group:** SU. **other id:** A-269-S. Cultivated. Seed.
- PI 569981 **origin:** Sudan. **origin institute id:** IS 22538. **other id:** SU 1843. **group:** SU. **other id:** A-279-S. Cultivated. Seed.
- PI 569982 **origin:** Sudan. **origin institute id:** IS 22539. **other id:** SU 1844. **group:** SU. **other id:** A-280-A. Cultivated. Seed.
- PI 569983 **origin:** Sudan. **origin institute id:** IS 22540. **other id:** SU 1845. **group:** SU. **other id:** A-283-A. Cultivated. Seed.
- PI 569984 **origin:** Sudan. **origin institute id:** IS 22541. **other id:** SU 1846. **group:** SU. **other id:** A-284-S. Cultivated. Seed.
- PI 569985 **origin:** Sudan. **origin institute id:** IS 22542. **other id:** SU 1847. **group:** SU. **other id:** A-296-A. Cultivated. Seed.
- PI 569986 **origin:** Sudan. **origin institute id:** IS 22543. **other id:** SU 1848. **group:** SU. **other id:** A-304-A. Cultivated. Seed.
- PI 569987 **origin:** Sudan. **origin institute id:** IS 22544. **other id:** SU 1849. **group:** SU. **other id:** A-306-A. Cultivated. Seed.
- PI 569988 **origin:** Sudan. **origin institute id:** IS 22545. **other id:** SU 1850. **group:** SU. **other id:** A-307-A. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 569989 origin: Sudan. origin institute id: IS 22546. other id: SU 1851. group: SU. other id: A-309-A. Cultivated. Seed.
- PI 569990 origin: Sudan. origin institute id: IS 22547. other id: SU 1852. group: SU. other id: A-353-M. Cultivated. Seed.
- PI 569991 origin: Sudan. origin institute id: IS 22548. other id: SU 1853. group: SU. other id: A-360-A. Cultivated. Seed.
- PI 569992 origin: Sudan. origin institute id: IS 22549. other id: SU 1854. group: SU. other id: A-364-A. Cultivated. Seed.
- PI 569993 origin: Sudan. origin institute id: IS 22550. other id: SU 1855. group: SU. other id: A-365-A. Cultivated. Seed.
- PI 569994 origin: Sudan. origin institute id: IS 22551. other id: SU 1856. group: SU. other id: A-367-A. Cultivated. Seed.
- PI 569995 origin: Sudan. origin institute id: IS 22552. other id: SU 1857. group: SU. other id: A-369-A. Cultivated. Seed.
- PI 569996 origin: Sudan. origin institute id: IS 22553. other id: SU 1858. group: SU. other id: A-373-A. Cultivated. Seed.
- PI 569997 origin: Sudan. origin institute id: IS 22554. other id: SU 1859. group: SU. other id: A-380-A. Cultivated. Seed.
- PI 569998 origin: Sudan. origin institute id: IS 22555. other id: SU 1860. group: SU. other id: A-390-A. Cultivated. Seed.
- PI 569999 origin: Sudan. origin institute id: IS 22556. other id: SU 1861. group: SU. other id: A-391-A. Cultivated. Seed.
- PI 570000 origin: Sudan. origin institute id: IS 22557. other id: SU 1862. group: SU. other id: A-397-A. Cultivated. Seed.
- PI 570001 origin: Sudan. origin institute id: IS 22558. other id: SU 1863. group: SU. other id: A-398-A. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570002 **origin:** Sudan. **origin institute id:** IS 22559. **other id:** SU 1864. **group:** SU. **other id:** A-400-A. Cultivated. Seed.
- PI 570003 **origin:** Sudan. **origin institute id:** IS 22560. **other id:** SU 1865. **group:** SU. **other id:** A-401-A. Cultivated. Seed.
- PI 570004 **origin:** Sudan. **origin institute id:** IS 22561. **other id:** SU 1866. **group:** SU. **other id:** A-402-M. Cultivated. Seed.
- PI 570005 **origin:** Sudan. **origin institute id:** IS 22562. **other id:** SU 1867. **group:** SU. **other id:** A-405-A. Cultivated. Seed.
- PI 570006 **origin:** Sudan. **origin institute id:** IS 22563. **other id:** SU 1868. **group:** SU. **other id:** A-405-M. Cultivated. Seed.
- PI 570007 **origin:** Sudan. **origin institute id:** IS 22564. **other id:** SU 1869. **group:** SU. **other id:** A-406-A. Cultivated. Seed.
- PI 570008 **origin:** Sudan. **origin institute id:** IS 22565. **other id:** SU 1870. **group:** SU. **other id:** A-406-M. Cultivated. Seed.
- PI 570009 **origin:** Sudan. **origin institute id:** IS 22566. **other id:** SU 1871. **group:** SU. **other id:** A-413-A. Cultivated. Seed.
- PI 570010 **origin:** Sudan. **origin institute id:** IS 22567. **other id:** SU 1872. **group:** SU. **other id:** A-415-A. Cultivated. Seed.
- PI 570011 **origin:** Sudan. **origin institute id:** IS 22568. **other id:** SU 1873. **group:** SU. **other id:** A-416-A. Cultivated. Seed.
- PI 570012 **origin:** Sudan. **origin institute id:** IS 22569. **other id:** SU 1874. **group:** SU. **other id:** A-416-M. Cultivated. Seed.
- PI 570013 **origin:** Sudan. **origin institute id:** IS 22570. **other id:** SU 1875. **group:** SU. **other id:** A-417-A. Cultivated. Seed.
- PI 570014 **origin:** Sudan. **origin institute id:** IS 22571. **other id:** SU 1876. **group:** SU. **other id:** A-418-A. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570015 origin: Sudan. origin institute id: IS 22572. other id: SU 1877. group: SU. other id: A-418-M. Cultivated. Seed.
- PI 570016 origin: Sudan. origin institute id: IS 22573. other id: SU 1878. group: SU. other id: A-422-A. Cultivated. Seed.
- PI 570017 origin: Sudan. origin institute id: IS 22574. other id: SU 1879. group: SU. other id: A-439-M. Cultivated. Seed.
- PI 570018 origin: Sudan. origin institute id: IS 22575. other id: SU 1880. group: SU. other id: A-443-M. Cultivated. Seed.
- PI 570019 origin: Sudan. origin institute id: IS 22576. other id: SU 1881. group: SU. other id: A-446-M. Cultivated. Seed.
- PI 570020 origin: Sudan. origin institute id: IS 22577. other id: SU 1882. group: SU. other id: A-453-M. Cultivated. Seed.
- PI 570021 origin: Sudan. origin institute id: IS 22578. other id: SU 1883. group: SU. other id: A-461-M. Cultivated. Seed.
- PI 570022 origin: Sudan. origin institute id: IS 22579. other id: SU 1884. group: SU. other id: A-467-M. Cultivated. Seed.
- PI 570023 origin: Sudan. origin institute id: IS 22801. other id: SU 1885. group: SU. other id: S-1. Cultivated. Seed.
- PI 570024 origin: Sudan. origin institute id: IS 22802. other id: SU 1886. group: SU. other id: S-2. Cultivated. Seed.
- PI 570025 origin: Sudan. origin institute id: IS 22803. other id: SU 1887. group: SU. other id: S-3. Cultivated. Seed.
- PI 570026 origin: Sudan. origin institute id: IS 22804. other id: SU 1888. group: SU. other id: S-4. Cultivated. Seed.
- PI 570027 origin: Sudan. origin institute id: IS 22805. other id: SU 1889. group: SU. other id: S-6. Cultivated. Seed.
- PI 570028 origin: Sudan. origin institute id: IS 22806. other id: SU 1890. group: SU. other id: S-7. Cultivated. Seed.
- PI 570029 origin: Sudan. origin institute id: IS 22807. other id: SU 1891. group: SU. other id: S-7. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570030 **origin:** Sudan. **origin institute id:** IS 22808. **other id:** SU 1892. **group:** SU. **other id:** S-8. Cultivated. Seed.

PI 570031 **origin:** Sudan. **origin institute id:** IS 22809. **other id:** SU 1893. **group:** SU. **other id:** S-8. Cultivated. Seed.

PI 570032 **origin:** Sudan. **origin institute id:** IS 22810. **other id:** SU 1894. **group:** SU. **other id:** S-9. Cultivated. Seed.

PI 570033 **origin:** Sudan. **origin institute id:** IS 22811. **other id:** SU 1895. **group:** SU. **other id:** S-10. Cultivated. Seed.

PI 570034 **origin:** Sudan. **origin institute id:** IS 22812. **other id:** SU 1896. **group:** SU. **other id:** S-11. Cultivated. Seed.

PI 570035 **origin:** Sudan. **origin institute id:** IS 22813. **other id:** SU 1897. **group:** SU. **other id:** S-13. Cultivated. Seed.

PI 570036 **origin:** Sudan. **origin institute id:** IS 22814. **other id:** SU 1898. **group:** SU. **other id:** S-14. Cultivated. Seed.

PI 570037 **origin:** Sudan. **origin institute id:** IS 22815. **other id:** SU 1899. **group:** SU. **other id:** S-15. Cultivated. Seed.

PI 570038 **origin:** Sudan. **origin institute id:** IS 22816. **other id:** SU 1900. **group:** SU. **other id:** S-16. Cultivated. Seed.

PI 570039 **origin:** Sudan. **origin institute id:** IS 22817. **other id:** SU 1901. **group:** SU. **other id:** S-16. Cultivated. Seed.

PI 570040 **origin:** Sudan. **origin institute id:** IS 22818. **other id:** SU 1902. **group:** SU. **other id:** S-17. Cultivated. Seed.

PI 570041 **origin:** Sudan. **origin institute id:** IS 22819. **other id:** SU 1903. **group:** SU. **other id:** S-17-1. Cultivated. Seed.

PI 570042 **origin:** Sudan. **origin institute id:** IS 22820. **other id:** SU 1904. **group:** SU. **other id:** S-18. Cultivated. Seed.

PI 570043 **origin:** Sudan. **origin institute id:** IS 22821. **other id:** SU 1905. **group:** SU. **other id:** S-20. Cultivated. Seed.

PI 570044 **origin:** Sudan. **origin institute id:** IS 22822. **other id:** SU 1906. **group:** SU. **other id:** S-21. Cultivated. Seed.

PI 570045 **origin:** Sudan. **origin institute id:** IS 22823. **other id:** SU 1907. **group:** SU. **other id:** S-21. Cultivated. Seed.

PI 570046 **origin:** Sudan. **origin institute id:** IS 22824. **other id:** SU 1908. **group:** SU. **other id:** S-22. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570047 **origin:** Sudan. **origin institute id:** IS 22825. **other id:** SU 1909. **group:** SU. **other id:** S-22-1. Cultivated. Seed.

PI 570048 **origin:** Sudan. **origin institute id:** IS 22826. **other id:** SU 1910. **group:** SU. **other id:** S-23. Cultivated. Seed.

PI 570049 **origin:** Sudan. **origin institute id:** IS 22827. **other id:** SU 1911. **group:** SU. **other id:** S-24. Cultivated. Seed.

PI 570050 **origin:** Sudan. **origin institute id:** IS 22828. **other id:** SU 1912. **group:** SU. **other id:** S-24. Cultivated. Seed.

PI 570051 **origin:** Sudan. **origin institute id:** IS 22829. **other id:** SU 1913. **group:** SU. **other id:** S-26. Cultivated. Seed.

PI 570052 **origin:** Sudan. **origin institute id:** IS 22830. **other id:** SU 1914. **group:** SU. **other id:** S-26A. Cultivated. Seed.

PI 570053 **origin:** Sudan. **origin institute id:** IS 22831. **other id:** SU 1915. **group:** SU. **other id:** S-26B. Cultivated. Seed.

PI 570054 **origin:** Sudan. **origin institute id:** IS 22832. **other id:** SU 1916. **group:** SU. **other id:** S-30. Cultivated. Seed.

PI 570055 **origin:** Sudan. **origin institute id:** IS 22833. **other id:** SU 1917. **group:** SU. **other id:** S-31. Cultivated. Seed.

PI 570056 **origin:** Sudan. **origin institute id:** IS 22834. **other id:** SU 1918. **group:** SU. **other id:** S-32. Cultivated. Seed.

PI 570057 **origin:** Sudan. **origin institute id:** IS 22835. **other id:** SU 1919. **group:** SU. **other id:** S-32A. Cultivated. Seed.

PI 570058 **origin:** Sudan. **origin institute id:** IS 22836. **other id:** SU 1920. **group:** SU. **other id:** S-34. Cultivated. Seed.

PI 570059 **origin:** Sudan. **origin institute id:** IS 22837. **other id:** SU 1921. **group:** SU. **other id:** S-34. Cultivated. Seed.

PI 570060 **origin:** Sudan. **origin institute id:** IS 22838. **other id:** SU 1922. **group:** SU. **other id:** S-35. Cultivated. Seed.

PI 570061 **origin:** Sudan. **origin institute id:** IS 22839. **other id:** SU 1923. **group:** SU. **other id:** S-36. Cultivated. Seed.

PI 570062 **origin:** Sudan. **origin institute id:** IS 22840. **other id:** SU 1924. **group:** SU. **other id:** S-37. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570063 **origin:** Sudan. **origin institute id:** IS 22841. **other id:** SU 1925. **group:** SU. **other id:** S-38. Cultivated. Seed.

PI 570064 **origin:** Sudan. **origin institute id:** IS 22842. **other id:** SU 1926. **group:** SU. **other id:** S-40. Cultivated. Seed.

PI 570065 **origin:** Sudan. **origin institute id:** IS 22843. **other id:** SU 1927. **group:** SU. **other id:** S-41. Cultivated. Seed.

PI 570066 **origin:** Sudan. **origin institute id:** IS 22844. **other id:** SU 1928. **group:** SU. **other id:** S-42. Cultivated. Seed.

PI 570067 **origin:** Sudan. **origin institute id:** IS 22845. **other id:** SU 1929. **group:** SU. **other id:** S-44. Cultivated. Seed.

PI 570068 **origin:** Sudan. **origin institute id:** IS 22846. **other id:** SU 1930. **group:** SU. **other id:** S-45. Cultivated. Seed.

PI 570069 **origin:** Sudan. **origin institute id:** IS 22847. **other id:** SU 1931. **group:** SU. **other id:** S-46-1. Cultivated. Seed.

PI 570070 **origin:** Sudan. **origin institute id:** IS 22848. **other id:** SU 1932. **group:** SU. **other id:** S-46. Cultivated. Seed.

PI 570071 **origin:** Sudan. **origin institute id:** IS 22849. **other id:** SU 1933. **group:** SU. **other id:** S-48. Cultivated. Seed.

PI 570072 **origin:** Sudan. **origin institute id:** IS 22850. **other id:** SU 1934. **group:** SU. **other id:** S-49. Cultivated. Seed.

PI 570073 **origin:** Sudan. **origin institute id:** IS 22851. **other id:** SU 1935. **group:** SU. **other id:** S-49-1. Cultivated. Seed.

PI 570074 **origin:** Sudan. **origin institute id:** IS 22852. **other id:** SU 1936. **group:** SU. **other id:** S-50. Cultivated. Seed.

PI 570075 **origin:** Sudan. **origin institute id:** IS 22853. **other id:** SU 1937. **group:** SU. **other id:** S-51. Cultivated. Seed.

PI 570076 **origin:** Sudan. **origin institute id:** IS 22854. **other id:** SU 1938. **group:** SU. **other id:** S-51. Cultivated. Seed.

PI 570077 **origin:** Sudan. **origin institute id:** IS 22855. **other id:** SU 1939. **group:** SU. **other id:** S-52. Cultivated. Seed.

PI 570078 **origin:** Sudan. **origin institute id:** IS 22856. **other id:** SU 1940. **group:** SU. **other id:** S-54. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570079 origin: Sudan. origin institute id: IS 22857. other id: SU 1941. group: SU. other id: S-54A. Cultivated. Seed.

PI 570080 origin: Sudan. origin institute id: IS 22858. other id: SU 1942. group: SU. other id: S-54B. Cultivated. Seed.

PI 570081 origin: Sudan. origin institute id: IS 22859. other id: SU 1943. group: SU. other id: S-55. Cultivated. Seed.

PI 570082 origin: Sudan. origin institute id: IS 22860. other id: SU 1944. group: SU. other id: S-56. Cultivated. Seed.

PI 570083 origin: Sudan. origin institute id: IS 22861. other id: SU 1945. group: SU. other id: S-56. Cultivated. Seed.

PI 570084 origin: Sudan. origin institute id: IS 22862. other id: SU 1946. group: SU. other id: S-57. Cultivated. Seed.

PI 570085 origin: Sudan. origin institute id: IS 22863. other id: SU 1947. group: SU. other id: S-57-1. Cultivated. Seed.

PI 570086 origin: Sudan. origin institute id: IS 22864. other id: SU 1948. group: SU. other id: S-58. Cultivated. Seed.

PI 570087 origin: Sudan. origin institute id: IS 22865. other id: SU 1949. group: SU. other id: S-60. Cultivated. Seed.

PI 570088 origin: Sudan. origin institute id: IS 22866. other id: SU 1950. group: SU. other id: S-60. Cultivated. Seed.

PI 570089 origin: Sudan. origin institute id: IS 22867. other id: SU 1951. group: SU. other id: S-61. Cultivated. Seed.

PI 570090 origin: Sudan. origin institute id: IS 22868. other id: SU 1952. group: SU. other id: S-61. Cultivated. Seed.

PI 570091 origin: Sudan. origin institute id: IS 22869. other id: SU 1953. group: SU. other id: S-62. Cultivated. Seed.

PI 570092 origin: Sudan. origin institute id: IS 22870. other id: SU 1954. group: SU. other id: S-63. Cultivated. Seed.

PI 570093 origin: Sudan. origin institute id: IS 22871. other id: SU 1955. group: SU. other id: S-64. Cultivated. Seed.

PI 570094 origin: Sudan. origin institute id: IS 22872. other id: SU 1956. group: SU. other id: S-65. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570095 **origin:** Sudan. **origin institute id:** IS 22873. **other id:** SU 1957. **group:** SU. **other id:** S-67. Cultivated. Seed.

PI 570096 **origin:** Sudan. **origin institute id:** IS 22874. **other id:** SU 1958. **group:** SU. **other id:** S-67B. Cultivated. Seed.

PI 570097 **origin:** Sudan. **origin institute id:** IS 22875. **other id:** SU 1959. **group:** SU. **other id:** S-68. Cultivated. Seed.

PI 570098 **origin:** Sudan. **origin institute id:** IS 22876. **other id:** SU 1960. **group:** SU. **other id:** S-68. Cultivated. Seed.

PI 570099 **origin:** Sudan. **origin institute id:** IS 22877. **other id:** SU 1961. **group:** SU. **other id:** S-71. Cultivated. Seed.

PI 570100 **origin:** Sudan. **origin institute id:** IS 22878. **other id:** SU 1962. **group:** SU. **other id:** S-72. Cultivated. Seed.

PI 570101 **origin:** Sudan. **origin institute id:** IS 22879. **other id:** SU 1963. **group:** SU. **other id:** S-74. Cultivated. Seed.

PI 570102 **origin:** Sudan. **origin institute id:** IS 22880. **other id:** SU 1964. **group:** SU. **other id:** S-76. Cultivated. Seed.

PI 570103 **origin:** Sudan. **origin institute id:** IS 22881. **other id:** SU 1965. **group:** SU. **other id:** S-79. Cultivated. Seed.

PI 570104 **origin:** Sudan. **origin institute id:** IS 22882. **other id:** SU 1966. **group:** SU. **other id:** S-81. Cultivated. Seed.

PI 570105 **origin:** Sudan. **origin institute id:** IS 22883. **other id:** SU 1967. **group:** SU. **other id:** S-84. Cultivated. Seed.

PI 570106 **origin:** Sudan. **origin institute id:** IS 22884. **other id:** SU 1968. **group:** SU. **other id:** S-86. Cultivated. Seed.

PI 570107 **origin:** Sudan. **origin institute id:** IS 22885. **other id:** SU 1969. **group:** SU. **other id:** S-87. Cultivated. Seed.

PI 570108 **origin:** Sudan. **origin institute id:** IS 22886. **other id:** SU 1970. **group:** SU. **other id:** S-89. Cultivated. Seed.

PI 570109 **origin:** Sudan. **origin institute id:** IS 22887. **other id:** SU 1971. **group:** SU. **other id:** S-90. Cultivated. Seed.

PI 570110 **origin:** Sudan. **origin institute id:** IS 22888. **other id:** SU 1972. **group:** SU. **other id:** S-91. Cultivated. Seed.

PI 570111 **origin:** Sudan. **origin institute id:** IS 22889. **other id:** SU 1973. **group:** SU. **other id:** S-94. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570112 **origin:** Sudan. **origin institute id:** IS 22890. **other id:** SU 1974. **group:** SU. **other id:** S-95. Cultivated. Seed.

PI 570113 **origin:** Sudan. **origin institute id:** IS 22891. **other id:** SU 1975. **group:** SU. **other id:** S-96. Cultivated. Seed.

PI 570114 **origin:** Sudan. **origin institute id:** IS 22892. **other id:** SU 1976. **group:** SU. **other id:** S-97. Cultivated. Seed.

PI 570115 **origin:** Sudan. **origin institute id:** IS 22893. **other id:** SU 1977. **group:** SU. **other id:** S-12. Cultivated. Seed.

PI 570116 **origin:** Sudan. **origin institute id:** IS 22894. **other id:** SU 1978. **group:** SU. **other id:** S-25. Cultivated. Seed.

PI 570117 **origin:** Sudan. **origin institute id:** IS 22895. **other id:** SU 1979. **group:** SU. **other id:** S-33. Cultivated. Seed.

PI 570118 **origin:** Sudan. **origin institute id:** IS 22896. **other id:** SU 1980. **group:** SU. **other id:** S-65. Cultivated. Seed.

PI 570119 **origin:** Sudan. **origin institute id:** IS 22897. **other id:** SU 1981. **group:** SU. **other id:** K-1. Cultivated. Seed.

PI 570120 **origin:** Sudan. **origin institute id:** IS 22898. **other id:** SU 1982. **group:** SU. **other id:** K-2. Cultivated. Seed.

PI 570121 **origin:** Sudan. **origin institute id:** IS 22899. **other id:** SU 1983. **group:** SU. **other id:** K-4. Cultivated. Seed.

PI 570122 **origin:** Sudan. **origin institute id:** IS 22900. **other id:** SU 1984. **group:** SU. **other id:** K-5. Cultivated. Seed.

PI 570123 **origin:** Sudan. **origin institute id:** IS 22901. **other id:** SU 1985. **group:** SU. **other id:** K-6. Cultivated. Seed.

PI 570124 **origin:** Sudan. **origin institute id:** IS 22902. **other id:** SU 1986. **group:** SU. **other id:** K-7. Cultivated. Seed.

PI 570125 **origin:** Sudan. **origin institute id:** IS 22903. **other id:** SU 1987. **group:** SU. **other id:** K-8. Cultivated. Seed.

PI 570126 **origin:** Sudan. **origin institute id:** IS 22904. **other id:** SU 1988. **group:** SU. **other id:** K-10. Cultivated. Seed.

PI 570127 **origin:** Sudan. **origin institute id:** IS 22905. **other id:** SU 1989. **group:** SU. **other id:** K-11. Cultivated. Seed.

PI 570128 **origin:** Sudan. **origin institute id:** IS 22906. **other id:** SU 1990. **group:** SU. **other id:** K-12. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570129 origin: Sudan. origin institute id: IS 22907. other id: SU 1991. group: SU. other id: K-14. Cultivated. Seed.

PI 570130 origin: Sudan. origin institute id: IS 22908. other id: SU 1992. group: SU. other id: K-16. Cultivated. Seed.

PI 570131 origin: Sudan. origin institute id: IS 22909. other id: SU 1993. group: SU. other id: K-17. Cultivated. Seed.

PI 570132 origin: Sudan. origin institute id: IS 22910. other id: SU 1994. group: SU. other id: K-19. Cultivated. Seed.

PI 570133 origin: Sudan. origin institute id: IS 22911. other id: SU 1995. group: SU. other id: K-20. Cultivated. Seed.

PI 570134 origin: Sudan. origin institute id: IS 22912. other id: SU 1996. group: SU. other id: K-21. Cultivated. Seed.

PI 570135 origin: Sudan. origin institute id: IS 22913. other id: SU 1997. group: SU. other id: K-22. Cultivated. Seed.

PI 570136 origin: Sudan. origin institute id: IS 22914. other id: SU 1998. group: SU. other id: K-23. Cultivated. Seed.

PI 570137 origin: Sudan. origin institute id: IS 22915. other id: SU 1999. group: SU. other id: K-24. Cultivated. Seed.

PI 570138 origin: Sudan. origin institute id: IS 22916. other id: SU 2000. group: SU. other id: K-24-1. Cultivated. Seed.

PI 570139 origin: Sudan. origin institute id: IS 22917. other id: SU 2001. group: SU. other id: K-25. Cultivated. Seed.

PI 570140 origin: Sudan. origin institute id: IS 22918. other id: SU 2002. group: SU. other id: K-26. Cultivated. Seed.

PI 570141 origin: Sudan. origin institute id: IS 22919. other id: SU 2003. group: SU. other id: K-27. Cultivated. Seed.

PI 570142 origin: Sudan. origin institute id: IS 22920. other id: SU 2004. group: SU. other id: K-28. Cultivated. Seed.

PI 570143 origin: Sudan. origin institute id: IS 22921. other id: SU 2005. group: SU. other id: K-29. Cultivated. Seed.

PI 570144 origin: Sudan. origin institute id: IS 22922. other id: SU 2006. group: SU. other id: K-30. Cultivated. Seed.

PI 570145 origin: Sudan. origin institute id: IS 22923. other id: SU 2007. group: SU. other id: K-31. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570146 origin: Sudan. origin institute id: IS 22924. other id: SU 2008. group: SU. other id: K-32. Cultivated. Seed.

PI 570147 origin: Sudan. origin institute id: IS 22925. other id: SU 2009. group: SU. other id: K-33. Cultivated. Seed.

PI 570148 origin: Sudan. origin institute id: IS 22926. other id: SU 2010. group: SU. other id: K-34. Cultivated. Seed.

PI 570149 origin: Sudan. origin institute id: IS 22927. other id: SU 2011. group: SU. other id: K-36. Cultivated. Seed.

PI 570150 origin: Sudan. origin institute id: IS 22928. other id: SU 2012. group: SU. other id: K-37. Cultivated. Seed.

PI 570151 origin: Sudan. origin institute id: IS 22929. other id: SU 2013. group: SU. other id: K-39. Cultivated. Seed.

PI 570152 origin: Sudan. origin institute id: IS 22930. other id: SU 2014. group: SU. other id: K-40A. Cultivated. Seed.

PI 570153 origin: Sudan. origin institute id: IS 22931. other id: SU 2015. group: SU. other id: K-40B. Cultivated. Seed.

PI 570154 origin: Sudan. origin institute id: IS 22932. other id: SU 2016. group: SU. other id: K-41. Cultivated. Seed.

PI 570155 origin: Sudan. origin institute id: IS 22933. other id: SU 2017. group: SU. other id: K-42. Cultivated. Seed.

PI 570156 origin: Sudan. origin institute id: IS 22934. other id: SU 2018. group: SU. other id: K-43. Cultivated. Seed.

PI 570157 origin: Sudan. origin institute id: IS 22936. other id: SU 2019. group: SU. other id: K-46. Cultivated. Seed.

PI 570158 origin: Sudan. origin institute id: IS 22937. other id: SU 2020. group: SU. other id: K-47. Cultivated. Seed.

PI 570159 origin: Sudan. origin institute id: IS 22938. other id: SU 2021. group: SU. other id: K-49. Cultivated. Seed.

PI 570160 origin: Sudan. origin institute id: IS 22939. other id: SU 2022. group: SU. other id: K-50. Cultivated. Seed.

PI 570161 origin: Sudan. origin institute id: IS 22940. other id: SU 2023. group: SU. other id: K-51. Cultivated. Seed.

PI 570162 origin: Sudan. origin institute id: IS 22941. other id: SU 2024. group: SU. other id: K-52. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570163 origin: Sudan. origin institute id: IS 22942. other id: SU 2025. group: SU. other id: K-54. Cultivated. Seed.

PI 570164 origin: Sudan. origin institute id: IS 22943. other id: SU 2026. group: SU. other id: K-55. Cultivated. Seed.

PI 570165 origin: Sudan. origin institute id: IS 22944. other id: SU 2027. group: SU. other id: K-56. Cultivated. Seed.

PI 570166 origin: Sudan. origin institute id: IS 22945. other id: SU 2028. group: SU. other id: K-57. Cultivated. Seed.

PI 570167 origin: Sudan. origin institute id: IS 22946. other id: SU 2029. group: SU. other id: K-58. Cultivated. Seed.

PI 570168 origin: Sudan. origin institute id: IS 22947. other id: SU 2030. group: SU. other id: K-59. Cultivated. Seed.

PI 570169 origin: Sudan. origin institute id: IS 22948. other id: SU 2031. group: SU. other id: K-61. Cultivated. Seed.

PI 570170 origin: Sudan. origin institute id: IS 22949. other id: SU 2032. group: SU. other id: K-62. Cultivated. Seed.

PI 570171 origin: Sudan. origin institute id: IS 22950. other id: SU 2033. group: SU. other id: K-63. Cultivated. Seed.

PI 570172 origin: Sudan. origin institute id: IS 22951. other id: SU 2034. group: SU. other id: K-64. Cultivated. Seed.

PI 570173 origin: Sudan. origin institute id: IS 22952. other id: SU 2035. group: SU. other id: K-65. Cultivated. Seed.

PI 570174 origin: Sudan. origin institute id: IS 22953. other id: SU 2036. group: SU. other id: K-66. Cultivated. Seed.

PI 570175 origin: Sudan. origin institute id: IS 22954. other id: SU 2037. group: SU. other id: K-67. Cultivated. Seed.

PI 570176 origin: Sudan. origin institute id: IS 22955. other id: SU 2038. group: SU. other id: K-68. Cultivated. Seed.

PI 570177 origin: Sudan. origin institute id: IS 22957. other id: SU 2039. group: SU. other id: K-70. Cultivated. Seed.

PI 570178 origin: Sudan. origin institute id: IS 22958. other id: SU 2040. group: SU. other id: K-71. Cultivated. Seed.

PI 570179 origin: Sudan. origin institute id: IS 22959. other id: SU 2041. group: SU. other id: K-72. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570180 **origin:** Sudan. **origin institute id:** IS 22960. **other id:** SU 2042. **group:** SU. **other id:** K-73. Cultivated. Seed.

PI 570181 **origin:** Sudan. **origin institute id:** IS 22961. **other id:** SU 2043. **group:** SU. **other id:** K-74. Cultivated. Seed.

PI 570182 **origin:** Sudan. **origin institute id:** IS 22962. **other id:** SU 2044. **group:** SU. **other id:** K-75. Cultivated. Seed.

PI 570183 **origin:** Sudan. **origin institute id:** IS 22963. **other id:** SU 2045. **group:** SU. **other id:** K-76. Cultivated. Seed.

PI 570184 **origin:** Sudan. **origin institute id:** IS 22964. **other id:** SU 2046. **group:** SU. **other id:** K-77. Cultivated. Seed.

PI 570185 **origin:** Sudan. **origin institute id:** IS 22965. **other id:** SU 2047. **group:** SU. **other id:** K-78. Cultivated. Seed.

PI 570186 **origin:** Sudan. **origin institute id:** IS 22966. **other id:** SU 2048. **group:** SU. **other id:** K-79. Cultivated. Seed.

PI 570187 **origin:** Sudan. **origin institute id:** IS 22967. **other id:** SU 2049. **group:** SU. **other id:** K-80. Cultivated. Seed.

PI 570188 **origin:** Sudan. **origin institute id:** IS 22968. **other id:** SU 2050. **group:** SU. **other id:** K-81. Cultivated. Seed.

PI 570189 **origin:** Sudan. **origin institute id:** IS 22969. **other id:** SU 2051. **group:** SU. **other id:** K-82. Cultivated. Seed.

PI 570190 **origin:** Sudan. **origin institute id:** IS 22970. **other id:** SU 2052. **group:** SU. **other id:** K-82-1. Cultivated. Seed.

PI 570191 **origin:** Sudan. **origin institute id:** IS 22971. **other id:** SU 2053. **group:** SU. **other id:** K-84. Cultivated. Seed.

PI 570192 **origin:** Sudan. **origin institute id:** IS 22972. **other id:** SU 2054. **group:** SU. **other id:** K-85. Cultivated. Seed.

PI 570193 **origin:** Sudan. **origin institute id:** IS 22973. **other id:** SU 2055. **group:** SU. **other id:** K-86. Cultivated. Seed.

PI 570194 **origin:** Sudan. **origin institute id:** IS 22974. **other id:** SU 2056. **group:** SU. **other id:** K-87. Cultivated. Seed.

PI 570195 **origin:** Sudan. **origin institute id:** IS 22975. **other id:** SU 2057. **group:** SU. **other id:** K-88. Cultivated. Seed.

PI 570196 **origin:** Sudan. **origin institute id:** IS 22976. **other id:** SU 2058. **group:** SU. **other id:** K-89. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570197 **origin:** Sudan. **origin institute id:** IS 22977. **other id:** SU 2059. **group:** SU. **other id:** K-90. Cultivated. Seed.

PI 570198 **origin:** Sudan. **origin institute id:** IS 22978. **other id:** SU 2060. **group:** SU. **other id:** K-91. Cultivated. Seed.

PI 570199 **origin:** Sudan. **origin institute id:** IS 22979. **other id:** SU 2061. **group:** SU. **other id:** K-92. Cultivated. Seed.

PI 570200 **origin:** Sudan. **origin institute id:** IS 22980. **other id:** SU 2062. **group:** SU. **other id:** K-93. Cultivated. Seed.

PI 570201 **origin:** Sudan. **origin institute id:** IS 22981. **other id:** SU 2063. **group:** SU. **other id:** K-95. Cultivated. Seed.

PI 570202 **origin:** Sudan. **origin institute id:** IS 22982. **other id:** SU 2064. **group:** SU. **other id:** K-95. Cultivated. Seed.

PI 570203 **origin:** Sudan. **origin institute id:** IS 22983. **other id:** SU 2065. **group:** SU. **other id:** K-96. Cultivated. Seed.

PI 570204 **origin:** Sudan. **origin institute id:** IS 22984. **other id:** SU 2066. **group:** SU. **other id:** K-97. Cultivated. Seed.

PI 570205 **origin:** Sudan. **origin institute id:** IS 22985. **other id:** SU 2067. **group:** SU. **other id:** K-98A. Cultivated. Seed.

PI 570206 **origin:** Sudan. **origin institute id:** IS 22986. **other id:** SU 2068. **group:** SU. **other id:** K-98B. Cultivated. Seed.

PI 570207 **origin:** Sudan. **origin institute id:** IS 22987. **other id:** SU 2069. **group:** SU. **other id:** K-99. Cultivated. Seed.

PI 570208 **origin:** Sudan. **origin institute id:** IS 22988. **other id:** SU 2070. **group:** SU. **other id:** K-100. Cultivated. Seed.

PI 570209 **origin:** Sudan. **origin institute id:** IS 22989. **other id:** SU 2071. **group:** SU. **other id:** K-101. Cultivated. Seed.

PI 570210 **origin:** Sudan. **origin institute id:** IS 22990. **other id:** SU 2072. **group:** SU. **other id:** K-102. Cultivated. Seed.

PI 570211 **origin:** Sudan. **origin institute id:** IS 22991. **other id:** SU 2073. **group:** SU. **other id:** K-103. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570212 **origin:** Sudan. **origin institute id:** IS 22992. **other id:** SU 2074. **group:** SU. **other id:** K-104. Cultivated. Seed.
- PI 570213 **origin:** Sudan. **origin institute id:** IS 22993. **other id:** SU 2075. **group:** SU. **other id:** K-105. Cultivated. Seed.
- PI 570214 **origin:** Sudan. **origin institute id:** IS 22994. **other id:** SU 2076. **group:** SU. **other id:** K-106. Cultivated. Seed.
- PI 570215 **origin:** Sudan. **origin institute id:** IS 22995. **other id:** SU 2077. **group:** SU. **other id:** K-107. Cultivated. Seed.
- PI 570216 **origin:** Sudan. **origin institute id:** IS 22996. **other id:** SU 2078. **group:** SU. **other id:** K-108. Cultivated. Seed.
- PI 570217 **origin:** Sudan. **origin institute id:** IS 22997. **other id:** SU 2079. **group:** SU. **other id:** K-109. Cultivated. Seed.
- PI 570218 **origin:** Sudan. **origin institute id:** IS 22998. **other id:** SU 2080. **group:** SU. **other id:** K-110. Cultivated. Seed.
- PI 570219 **origin:** Sudan. **origin institute id:** IS 22999. **other id:** SU 2081. **group:** SU. **other id:** K-111. Cultivated. Seed.
- PI 570220 **origin:** Sudan. **origin institute id:** IS 23000. **other id:** SU 2082. **group:** SU. **other id:** K-112. Cultivated. Seed.
- PI 570221 **origin:** Sudan. **origin institute id:** IS 23001. **other id:** SU 2083. **group:** SU. **other id:** K-113. Cultivated. Seed.
- PI 570222 **origin:** Sudan. **origin institute id:** IS 23002. **other id:** SU 2084. **group:** SU. **other id:** K-114. Cultivated. Seed.
- PI 570223 **origin:** Sudan. **origin institute id:** IS 23003. **other id:** SU 2085. **group:** SU. **other id:** K-115. Cultivated. Seed.
- PI 570224 **origin:** Sudan. **origin institute id:** IS 23004. **other id:** SU 2086. **group:** SU. **other id:** K-116. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570225 **origin:** Sudan. **origin institute id:** IS 23005. **other id:** SU 2087. **group:** SU. **other id:** K-118. Cultivated.
Seed.
- PI 570226 **origin:** Sudan. **origin institute id:** IS 23006. **other id:** SU 2088. **group:** SU. **other id:** K-119. Cultivated.
Seed.
- PI 570227 **origin:** Sudan. **origin institute id:** IS 23007. **other id:** SU 2089. **group:** SU. **other id:** K-120. Cultivated.
Seed.
- PI 570228 **origin:** Sudan. **origin institute id:** IS 23008. **other id:** SU 2090. **group:** SU. **other id:** K-121. Cultivated.
Seed.
- PI 570229 **origin:** Sudan. **origin institute id:** IS 23009. **other id:** SU 2091. **group:** SU. **other id:** K-122. Cultivated.
Seed.
- PI 570230 **origin:** Sudan. **origin institute id:** IS 23010. **other id:** SU 2092. **group:** SU. **other id:** K-123. Cultivated.
Seed.
- PI 570231 **origin:** Sudan. **origin institute id:** IS 23011. **other id:** SU 2093. **group:** SU. **other id:** K-124. Cultivated.
Seed.
- PI 570232 **origin:** Sudan. **origin institute id:** IS 23012. **other id:** SU 2094. **group:** SU. **other id:** K-125. Cultivated.
Seed.
- PI 570233 **origin:** Sudan. **origin institute id:** IS 23013. **other id:** SU 2095. **group:** SU. **other id:** K-126. Cultivated.
Seed.
- PI 570234 **origin:** Sudan. **origin institute id:** IS 23014. **other id:** SU 2096. **group:** SU. **other id:** K-128. Cultivated.
Seed.
- PI 570235 **origin:** Sudan. **origin institute id:** IS 23015. **other id:** SU 2097. **group:** SU. **other id:** K-130. Cultivated.
Seed.
- PI 570236 **origin:** Sudan. **origin institute id:** IS 23016. **other id:** SU 2098. **group:** SU. **other id:** K-131. Cultivated.
Seed.
- PI 570237 **origin:** Sudan. **origin institute id:** IS 23017. **other id:** SU 2099. **group:** SU. **other id:** K-133. Cultivated.
Seed.

PI 568987 to 570607-continued

- PI 570238 origin: Sudan. origin institute id: IS 23018. other id: SU 2100. group: SU. other id: K-134. Cultivated. Seed.
- PI 570239 origin: Sudan. origin institute id: IS 23019. other id: SU 2101. group: SU. other id: K-135. Cultivated. Seed.
- PI 570240 origin: Sudan. origin institute id: IS 23020. other id: SU 2102. group: SU. other id: K-136. Cultivated. Seed.
- PI 570241 origin: Sudan. origin institute id: IS 23021. other id: SU 2103. group: SU. other id: K-138. Cultivated. Seed.
- PI 570242 origin: Sudan. origin institute id: IS 23022. other id: SU 2104. group: SU. other id: K-141. Cultivated. Seed.
- PI 570243 origin: Sudan. origin institute id: IS 23023. other id: SU 2105. group: SU. other id: K-142. Cultivated. Seed.
- PI 570244 origin: Sudan. origin institute id: IS 23024. other id: SU 2106. group: SU. other id: K-143. Cultivated. Seed.
- PI 570245 origin: Sudan. origin institute id: IS 23025. other id: SU 2107. group: SU. other id: K-144. Cultivated. Seed.
- PI 570246 origin: Sudan. origin institute id: IS 23026. other id: SU 2108. group: SU. other id: K-145. Cultivated. Seed.
- PI 570247 origin: Sudan. origin institute id: IS 23027. other id: SU 2109. group: SU. other id: K-147. Cultivated. Seed.
- PI 570248 origin: Sudan. origin institute id: IS 23028. other id: SU 2110. group: SU. other id: KA-5. Cultivated. Seed.
- PI 570249 origin: Sudan. origin institute id: IS 23029. other id: SU 2111. group: SU. other id: KA-12. Cultivated. Seed.
- PI 570250 origin: Sudan. origin institute id: IS 23030. other id: SU 2112. group: SU. other id: KA-15. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570251 **origin:** Sudan. **origin institute id:** IS 23031. **other id:** SU 2113. **group:** SU. **other id:** KA-17. Cultivated.
Seed.

PI 570252 **origin:** Sudan. **origin institute id:** IS 23032. **other id:** SU 2114. **group:** SU. **other id:** KA-19. Cultivated.
Seed.

PI 570253 **origin:** Sudan. **origin institute id:** IS 23033. **other id:** SU 2115. **group:** SU. **other id:** KA-21. Cultivated.
Seed.

PI 570254 **origin:** Sudan. **origin institute id:** IS 23034. **other id:** SU 2116. **group:** SU. **other id:** KA-25. Cultivated.
Seed.

PI 570255 **origin:** Sudan. **origin institute id:** IS 23035. **other id:** SU 2117. **group:** SU. **other id:** KA-29. Cultivated.
Seed.

PI 570256 **origin:** Sudan. **origin institute id:** IS 23036. **other id:** SU 2118. **group:** SU. **other id:** KA-31. Cultivated.
Seed.

PI 570257 **origin:** Sudan. **origin institute id:** IS 23037. **other id:** SU 2119. **group:** SU. **other id:** KA-32. Cultivated.
Seed.

PI 570258 **origin:** Sudan. **origin institute id:** IS 23038. **other id:** SU 2120. **group:** SU. **other id:** KA-33. Cultivated.
Seed.

PI 570259 **origin:** Sudan. **origin institute id:** IS 23039. **other id:** SU 2121. **group:** SU. **other id:** KA-34. Cultivated.
Seed.

PI 570260 **origin:** Sudan. **origin institute id:** IS 23040. **other id:** SU 2122. **group:** SU. **other id:** KA-37. Cultivated.
Seed.

PI 570261 **origin:** Sudan. **origin institute id:** IS 23041. **other id:** SU 2123. **group:** SU. **other id:** KA-39. Cultivated.
Seed.

PI 570262 **origin:** Sudan. **origin institute id:** IS 23042. **other id:** SU 2124. **group:** SU. **other id:** KA-40. Cultivated.
Seed.

PI 570263 **origin:** Sudan. **origin institute id:** IS 23043. **other id:** SU 2125. **group:** SU. **other id:** KA-41. Cultivated.
Seed.

PI 568987 to 570607-continued

- PI 570264 **origin:** Sudan. **origin institute id:** IS 23044. **other id:** SU 2126. **group:** SU. **other id:** KA-43. Cultivated.
Seed.
- PI 570265 **origin:** Sudan. **origin institute id:** IS 23045. **other id:** SU 2127. **group:** SU. **other id:** KA-44. Cultivated.
Seed.
- PI 570266 **origin:** Sudan. **origin institute id:** IS 23046. **other id:** SU 2128. **group:** SU. **other id:** KA-45. Cultivated.
Seed.
- PI 570267 **origin:** Sudan. **origin institute id:** IS 23047. **other id:** SU 2129. **group:** SU. **other id:** KA-46. Cultivated.
Seed.
- PI 570268 **origin:** Sudan. **origin institute id:** IS 23048. **other id:** SU 2130. **group:** SU. **other id:** KA-47. Cultivated.
Seed.
- PI 570269 **origin:** Sudan. **origin institute id:** IS 23049. **other id:** SU 2131. **group:** SU. **other id:** KA-50. Cultivated.
Seed.
- PI 570270 **origin:** Sudan. **origin institute id:** IS 23050. **other id:** SU 2132. **group:** SU. **other id:** KA-52. Cultivated.
Seed.
- PI 570271 **origin:** Sudan. **origin institute id:** IS 23051. **other id:** SU 2133. **group:** SU. **other id:** KA-54. Cultivated.
Seed.
- PI 570272 **origin:** Sudan. **origin institute id:** IS 23052. **other id:** SU 2134. **group:** SU. **other id:** KA-55. Cultivated.
Seed.
- PI 570273 **origin:** Sudan. **origin institute id:** IS 23053. **other id:** SU 2135. **group:** SU. **other id:** KA-56. Cultivated.
Seed.
- PI 570274 **origin:** Sudan. **origin institute id:** IS 23054. **other id:** SU 2136. **group:** SU. **other id:** KA-57. Cultivated.
Seed.
- PI 570275 **origin:** Sudan. **origin institute id:** IS 23055. **other id:** SU 2137. **group:** SU. **other id:** KA-64. Cultivated.
Seed.
- PI 570276 **origin:** Sudan. **origin institute id:** IS 23056. **other id:** SU 2138. **group:** SU. **other id:** KA-65. Cultivated.
Seed.

PI 568987 to 570607-continued

PI 570277 **origin:** Sudan. **origin institute id:** IS 23057. **other id:** SU 2139. **group:** SU. **other id:** KA-66. Cultivated.
Seed.

PI 570278 **origin:** Sudan. **origin institute id:** IS 23058. **other id:** SU 2140. **group:** SU. **other id:** KA-70. Cultivated.
Seed.

PI 570279 **origin:** Sudan. **origin institute id:** IS 23059. **other id:** SU 2141. **group:** SU. **other id:** KA-71. Cultivated.
Seed.

PI 570280 **origin:** Sudan. **origin institute id:** IS 23060. **other id:** SU 2142. **group:** SU. **other id:** KA-74. Cultivated.
Seed.

PI 570281 **origin:** Sudan. **origin institute id:** IS 23061. **other id:** SU 2143. **group:** SU. **other id:** KA-75. Cultivated.
Seed.

PI 570282 **origin:** Sudan. **origin institute id:** IS 23062. **other id:** SU 2144. **group:** SU. **other id:** KA-76. Cultivated.
Seed.

PI 570283 **origin:** Sudan. **origin institute id:** IS 23063. **other id:** SU 2145. **group:** SU. **other id:** KA-77. Cultivated.
Seed.

PI 570284 **origin:** Sudan. **origin institute id:** IS 23064. **other id:** SU 2146. **group:** SU. **other id:** KA-78. Cultivated.
Seed.

PI 570285 **origin:** Sudan. **origin institute id:** IS 23065. **other id:** SU 2147. **group:** SU. **other id:** KA-81. Cultivated.
Seed.

PI 570286 **origin:** Sudan. **origin institute id:** IS 23066. **other id:** SU 2148. **group:** SU. **other id:** KA-82. Cultivated.
Seed.

PI 570287 **origin:** Sudan. **origin institute id:** IS 23067. **other id:** SU 2149. **group:** SU. **other id:** KA-83. Cultivated.
Seed.

PI 570288 **origin:** Sudan. **origin institute id:** IS 23068. **other id:** SU 2150. **group:** SU. **other id:** KA-88. Cultivated.
Seed.

PI 570289 **origin:** Sudan. **origin institute id:** IS 23069. **other id:** SU 2151. **group:** SU. **other id:** KA-89. Cultivated.
Seed.

PI 568987 to 570607-continued

- PI 570290 origin: Sudan. origin institute id: IS 23070. other id: SU 2152. group: SU. other id: KA-90. Cultivated. Seed.
- PI 570291 origin: Sudan. origin institute id: IS 23071. other id: SU 2153. group: SU. other id: KA-91. Cultivated. Seed.
- PI 570292 origin: Sudan. origin institute id: IS 23072. other id: SU 2154. group: SU. other id: KA-98. Cultivated. Seed.
- PI 570293 origin: Sudan. origin institute id: IS 23073. other id: SU 2155. group: SU. other id: KA-100. Cultivated. Seed.
- PI 570294 origin: Sudan. origin institute id: IS 23074. other id: SU 2156. group: SU. other id: KA-102. Cultivated. Seed.
- PI 570295 origin: Sudan. origin institute id: IS 23075. other id: SU 2157. group: SU. other id: KA-103. Cultivated. Seed.
- PI 570296 origin: Sudan. origin institute id: IS 23076. other id: SU 2158. group: SU. other id: KA-108. Cultivated. Seed.
- PI 570297 origin: Sudan. origin institute id: IS 23384. cultivar: TETRON. other id: SU 2159. group: SU. other id: PGI-55. Cultivated. Seed.
- PI 570298 origin: Sudan. origin institute id: IS 23385. other id: SU 2160. group: SU. other id: A-7-2. Cultivated. Seed.
- PI 570299 origin: Sudan. origin institute id: IS 23386. other id: SU 2161. group: SU. other id: A-43-2. Cultivated. Seed.
- PI 570300 origin: Sudan. origin institute id: IS 23387. other id: SU 2162. group: SU. other id: A-210-2. Cultivated. Seed.
- PI 570301 origin: Sudan. origin institute id: IS 23388. other id: SU 2163. group: SU. other id: A-268-2. Cultivated. Seed.
- PI 570302 origin: Sudan. origin institute id: IS 23389. other id: SU 2164. group: SU. other id: KS-84-2. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570303 **origin:** Sudan. **origin institute id:** IS 24977. **other id:** SU 2165. **group:** SU. **other id:** AB-2. Cultivated. Seed.

PI 570304 **origin:** Sudan. **origin institute id:** IS 24978. **other id:** SU 2166. **group:** SU. **other id:** AB-3. Cultivated. Seed.

PI 570305 **origin:** Sudan. **origin institute id:** IS 24979. **other id:** SU 2167. **group:** SU. **other id:** AB-4. Cultivated. Seed.

PI 570306 **origin:** Sudan. **origin institute id:** IS 24980. **other id:** SU 2168. **group:** SU. **other id:** AB-5. Cultivated. Seed.

PI 570307 **origin:** Sudan. **origin institute id:** IS 24981. **other id:** SU 2169. **group:** SU. **other id:** AB-6. Cultivated. Seed.

PI 570308 **origin:** Sudan. **origin institute id:** IS 24982. **other id:** SU 2170. **group:** SU. **other id:** AB-7. Cultivated. Seed.

PI 570309 **origin:** Sudan. **origin institute id:** IS 24983. **other id:** SU 2171. **group:** SU. **other id:** AB-8. Cultivated. Seed.

PI 570310 **origin:** Sudan. **origin institute id:** IS 24984. **other id:** SU 2172. **group:** SU. **other id:** AB-9. Cultivated. Seed.

PI 570311 **origin:** Sudan. **origin institute id:** IS 24985. **other id:** SU 2173. **group:** SU. **other id:** AB-10. Cultivated. Seed.

PI 570312 **origin:** Sudan. **origin institute id:** IS 24986. **other id:** SU 2174. **group:** SU. **other id:** AB-11. Cultivated. Seed.

PI 570313 **origin:** Sudan. **origin institute id:** IS 24987. **other id:** SU 2175. **group:** SU. **other id:** AB-13. Cultivated. Seed.

PI 570314 **origin:** Sudan. **origin institute id:** IS 24988. **other id:** SU 2176. **group:** SU. **other id:** AB-14. Cultivated. Seed.

PI 570315 **origin:** Sudan. **origin institute id:** IS 24989. **other id:** SU 2177. **group:** SU. **other id:** AB-15. Cultivated. Seed.

PI 570316 **origin:** Sudan. **origin institute id:** IS 24990. **other id:** SU 2178. **group:** SU. **other id:** AB-16. Cultivated. Seed.

PI 570317 **origin:** Sudan. **origin institute id:** IS 24991. **other id:** SU 2179. **group:** SU. **other id:** AB-17. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570318 origin: Sudan. origin institute id: IS 24992. other id: SU 2180. group: SU. other id: AB-18. Cultivated. Seed.
- PI 570319 origin: Sudan. origin institute id: IS 24993. other id: SU 2181. group: SU. other id: AB-19. Cultivated. Seed.
- PI 570320 origin: Sudan. origin institute id: IS 24994. other id: SU 2182. group: SU. other id: AB-20. Cultivated. Seed.
- PI 570321 origin: Sudan. origin institute id: IS 24995. other id: SU 2183. group: SU. other id: AB-22. Cultivated. Seed.
- PI 570322 origin: Sudan. origin institute id: IS 24996. other id: SU 2184. group: SU. other id: AB-23. Cultivated. Seed.
- PI 570323 origin: Sudan. origin institute id: IS 24997. other id: SU 2185. group: SU. other id: AB-24. Cultivated. Seed.
- PI 570324 origin: Sudan. origin institute id: IS 24998. other id: SU 2186. group: SU. other id: AB-25. Cultivated. Seed.
- PI 570325 origin: Sudan. origin institute id: IS 24999. other id: SU 2187. group: SU. other id: AB-26. Cultivated. Seed.
- PI 570326 origin: Sudan. origin institute id: IS 25000. other id: SU 2188. group: SU. other id: AB-27. Cultivated. Seed.
- PI 570327 origin: Sudan. origin institute id: IS 25001. other id: SU 2189. group: SU. other id: AB-28. Cultivated. Seed.
- PI 570328 origin: Sudan. origin institute id: IS 25002. other id: SU 2190. group: SU. other id: AB-30. Cultivated. Seed.
- PI 570329 origin: Sudan. origin institute id: IS 25003. other id: SU 2191. group: SU. other id: AB-32. Cultivated. Seed.
- PI 570330 origin: Sudan. origin institute id: IS 25004. other id: SU 2192. group: SU. other id: AB-33. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570331 **origin:** Sudan. **origin institute id:** IS 25005. **other id:** SU 2193. **group:** SU. **other id:** AB-34. Cultivated. Seed.
- PI 570332 **origin:** Sudan. **origin institute id:** IS 25006. **other id:** SU 2194. **group:** SU. **other id:** AB-36. Cultivated. Seed.
- PI 570333 **origin:** Sudan. **origin institute id:** IS 25007. **other id:** SU 2195. **group:** SU. **other id:** AB-43. Cultivated. Seed.
- PI 570334 **origin:** Sudan. **origin institute id:** IS 25008. **other id:** SU 2196. **group:** SU. **other id:** AB-44. Cultivated. Seed.
- PI 570335 **origin:** Sudan. **origin institute id:** IS 25009. **other id:** SU 2197. **group:** SU. **other id:** AB-45. Cultivated. Seed.
- PI 570336 **origin:** Sudan. **origin institute id:** IS 25010. **other id:** SU 2198. **group:** SU. **other id:** AB-46. Cultivated. Seed.
- PI 570337 **origin:** Sudan. **origin institute id:** IS 25011. **other id:** SU 2199. **group:** SU. **other id:** AB-47. Cultivated. Seed.
- PI 570338 **origin:** Sudan. **origin institute id:** IS 25012. **other id:** SU 2200. **group:** SU. **other id:** AB-48. Cultivated. Seed.
- PI 570339 **origin:** Sudan. **origin institute id:** IS 25013. **other id:** SU 2201. **group:** SU. **other id:** AB-49. Cultivated. Seed.
- PI 570340 **origin:** Sudan. **origin institute id:** IS 25014. **other id:** SU 2202. **group:** SU. **other id:** AB-50. Cultivated. Seed.
- PI 570341 **origin:** Sudan. **origin institute id:** IS 25015. **other id:** SU 2203. **group:** SU. **other id:** AB-51. Cultivated. Seed.
- PI 570342 **origin:** Sudan. **origin institute id:** IS 25016. **other id:** SU 2204. **group:** SU. **other id:** AB-52. Cultivated. Seed.
- PI 570343 **origin:** Sudan. **origin institute id:** IS 25017. **other id:** SU 2205. **group:** SU. **other id:** AB-53. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570344 **origin:** Sudan. **origin institute id:** IS 25018. **other id:** SU 2206. **group:** SU. **other id:** AB-54. Cultivated.
Seed.
- PI 570345 **origin:** Sudan. **origin institute id:** IS 25019. **other id:** SU 2207. **group:** SU. **other id:** AB-55. Cultivated.
Seed.
- PI 570346 **origin:** Sudan. **origin institute id:** IS 25020. **other id:** SU 2208. **group:** SU. **other id:** AB-56. Cultivated.
Seed.
- PI 570347 **origin:** Sudan. **origin institute id:** IS 25021. **other id:** SU 2209. **group:** SU. **other id:** AB-58. Cultivated.
Seed.
- PI 570348 **origin:** Sudan. **origin institute id:** IS 25022. **other id:** SU 2210. **group:** SU. **other id:** AB-59. Cultivated.
Seed.
- PI 570349 **origin:** Sudan. **origin institute id:** IS 25023. **other id:** SU 2211. **group:** SU. **other id:** AB-60. Cultivated.
Seed.
- PI 570350 **origin:** Sudan. **origin institute id:** IS 25024. **other id:** SU 2212. **group:** SU. **other id:** AB-62. Cultivated.
Seed.
- PI 570351 **origin:** Sudan. **origin institute id:** IS 25025. **other id:** SU 2213. **group:** SU. **other id:** AB-63. Cultivated.
Seed.
- PI 570352 **origin:** Sudan. **origin institute id:** IS 25026. **other id:** SU 2214. **group:** SU. **other id:** AB-64. Cultivated.
Seed.
- PI 570353 **origin:** Sudan. **origin institute id:** IS 25027. **other id:** SU 2215. **group:** SU. **other id:** AB-65. Cultivated.
Seed.
- PI 570354 **origin:** Sudan. **origin institute id:** IS 25028. **other id:** SU 2216. **group:** SU. **other id:** AB-66. Cultivated.
Seed.
- PI 570355 **origin:** Sudan. **origin institute id:** IS 25029. **other id:** SU 2217. **group:** SU. **other id:** AB-67. Cultivated.
Seed.
- PI 570356 **origin:** Sudan. **origin institute id:** IS 25030. **other id:** SU 2218. **group:** SU. **other id:** AB-68. Cultivated.
Seed.

PI 568987 to 570607-continued

- PI 570357 **origin:** Sudan. **origin institute id:** IS 25031. **other id:** SU 2219. **group:** SU. **other id:** AB-69. Cultivated.
Seed.
- PI 570358 **origin:** Sudan. **origin institute id:** IS 25032. **other id:** SU 2220. **group:** SU. **other id:** AB-70. Cultivated.
Seed.
- PI 570359 **origin:** Sudan. **origin institute id:** IS 25033. **other id:** SU 2221. **group:** SU. **other id:** AB-71. Cultivated.
Seed.
- PI 570360 **origin:** Sudan. **origin institute id:** IS 25034. **other id:** SU 2222. **group:** SU. **other id:** AB-72. Cultivated.
Seed.
- PI 570361 **origin:** Sudan. **origin institute id:** IS 25035. **other id:** SU 2223. **group:** SU. **other id:** AB-73. Cultivated.
Seed.
- PI 570362 **origin:** Sudan. **origin institute id:** IS 25036. **other id:** SU 2224. **group:** SU. **other id:** AB-75. Cultivated.
Seed.
- PI 570363 **origin:** Sudan. **origin institute id:** IS 25037. **other id:** SU 2225. **group:** SU. **other id:** AB-76. Cultivated.
Seed.
- PI 570364 **origin:** Sudan. **origin institute id:** IS 25038. **other id:** SU 2226. **group:** SU. **other id:** AB-77. Cultivated.
Seed.
- PI 570365 **origin:** Sudan. **origin institute id:** IS 25039. **other id:** SU 2227. **group:** SU. **other id:** AB-78. Cultivated.
Seed.
- PI 570366 **origin:** Sudan. **origin institute id:** IS 25040. **other id:** SU 2228. **group:** SU. **other id:** AB-81. Cultivated.
Seed.
- PI 570367 **origin:** Sudan. **origin institute id:** IS 25041. **other id:** SU 2229. **group:** SU. **other id:** AB-82. Cultivated.
Seed.
- PI 570368 **origin:** Sudan. **origin institute id:** IS 25042. **other id:** SU 2230. **group:** SU. **other id:** AB 83. Cultivated.
Seed.
- PI 570369 **origin:** Sudan. **origin institute id:** IS 25043. **other id:** SU 2231. **group:** SU. **other id:** ABXET 37. Cultivated.
Seed.

PI 568987 to 570607-continued

- PI 570370 origin: Sudan. origin institute id: IS 25044. other id: SU 2232. group: SU. other id: ABXET 38. Cultivated. Seed.
- PI 570371 origin: Sudan. origin institute id: IS 25045. other id: SU 2233. group: SU. other id: ABXET 40. Cultivated. Seed.
- PI 570372 origin: Sudan. origin institute id: IS 25046. other id: SU 2234. group: SU. other id: ABXET 42. Cultivated. Seed.
- PI 570373 origin: Sudan. origin institute id: IS 26829. cultivar: ODAKA. other id: SU 2235. group: SU. other id: MBKB 1. locality: Hilieu. Cultivated. Seed.
- PI 570374 origin: Sudan. origin institute id: IS 26830. cultivar: ATATI. other id: SU 2236. group: SU. other id: MBKB 5. locality: Imeila. Cultivated. Seed.
- PI 570375 origin: Sudan. origin institute id: IS 26831. cultivar: OSINGO. other id: SU 2237. group: SU. other id: MBKB 6. locality: Labalwa. Cultivated. Seed.
- PI 570376 origin: Sudan. origin institute id: IS 26832. cultivar: BAKANGORE. other id: SU 2238. group: SU. other id: MBKB 6B. locality: Labalwa. Cultivated. Seed.
- PI 570377 origin: Sudan. origin institute id: IS 26833. cultivar: ABALE. other id: SU 2239. group: SU. other id: MBKB 9. locality: Loodo. Cultivated. Seed.
- PI 570378 origin: Sudan. origin institute id: IS 26834. cultivar: NGEDENG. other id: SU 2240. group: SU. other id: MBKB 11. locality: Loronyo. Cultivated. Seed.
- PI 570379 origin: Sudan. origin institute id: IS 26835. cultivar: BIRONGE. other id: SU 2241. group: SU. other id: MBKB 12. locality: Loronyo. Cultivated. Seed.
- PI 570380 origin: Sudan. origin institute id: IS 26836. cultivar: ADUHOLIO. other id: SU 2242. group: SU. other id: MBKB 13. locality: Loronyo. Cultivated. Seed.
- PI 570381 origin: Sudan. origin institute id: IS 26837. cultivar: NYETHIN. other id: SU 2243. group: SU. other id: MBKB 16-1. locality: Lafon. Cultivated. Seed.
- PI 570382 origin: Sudan. origin institute id: IS 26838. cultivar: NYETHIN. other id: SU 2244. group: SU. other id: MBKB 16-2. locality: Lafon. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570383 origin: Sudan. origin institute id: IS 26839. cultivar: NYETHIN. other id: SU 2245. group: SU. other id: MBKB 16-3. locality: Lafon. Cultivated. Seed.
- PI 570384 origin: Sudan. origin institute id: IS 26840. cultivar: LWALO. other id: SU 2246. group: SU. other id: MBKB 17. locality: Lafon. Cultivated. Seed.
- PI 570385 origin: Sudan. origin institute id: IS 26841. cultivar: NEWALA. other id: SU 2247. group: SU. other id: MBKB 21-1. locality: Mura-Ikotos. Cultivated. Seed.
- PI 570386 origin: Sudan. origin institute id: IS 26842. cultivar: NEWALA. other id: SU 2248. group: SU. other id: MBKB 21-2. locality: Mura-Ikotos. Cultivated. Seed.
- PI 570387 origin: Sudan. origin institute id: IS 26843. cultivar: NOLOSUNGOTI. other id: SU 2249. group: SU. other id: MBKB 22. locality: Mura-Ikotos. Cultivated. Seed.
- PI 570388 origin: Sudan. origin institute id: IS 26844. cultivar: BAHONGER-UKILIR. other id: SU 2250. group: SU. other id: MBKB 23. locality: Mura-Ikotos. Cultivated. Seed.
- PI 570389 origin: Sudan. origin institute id: IS 26845. cultivar: NOLODAKA. other id: SU 2251. group: SU. other id: MBKB 24. locality: Mura-Ikotos. Cultivated. Seed.
- PI 570390 origin: Sudan. origin institute id: IS 26846. cultivar: NAKEDE. other id: SU 2252. group: SU. other id: MBKB 25. locality: Mura-Ikotos. Cultivated. Seed.
- PI 570391 origin: Sudan. origin institute id: IS 26847. cultivar: ATARI. other id: SU 2253. group: SU. other id: MBKB 28. locality: Ohui (Otele). Cultivated. Seed.
- PI 570392 origin: Sudan. origin institute id: IS 26848. cultivar: MACHIA. other id: SU 2254. group: SU. other id: MBKB 29. locality: Gahaguha. Cultivated. Seed.
- PI 570393 origin: Sudan. origin institute id: IS 26849. other id: SU 2255. group: SU. other id: MBKB 30. locality: Katire. Cultivated. Seed.
- PI 570394 origin: Sudan. origin institute id: IS 26850. cultivar: EKODO. other id: SU 2256. group: SU. other id: MBKB 33. locality: Okola. Cultivated. Seed.
- PI 570395 origin: Sudan. origin institute id: IS 26851. cultivar: ABERONG. other id: SU 2257. group: SU. other id: MBKB 34. locality: Okola. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570396 **origin:** Sudan. **origin institute id:** IS 26852. **cultivar:** ANGULERU. **other id:** SU 2258. **group:** SU. **other id:** MBKB 35. **locality:** Okola. Cultivated. Seed.
- PI 570397 **origin:** Sudan. **origin institute id:** IS 26853. **cultivar:** NATAWLEK. **other id:** SU 2259. **group:** SU. **other id:** MBKB 36. **locality:** Okola. Cultivated. Seed.
- PI 570398 **origin:** Sudan. **origin institute id:** IS 26854. **cultivar:** AGUYALE. **other id:** SU 2260. **group:** SU. **other id:** MBKB 37. **locality:** Okola. Cultivated. Seed.
- PI 570399 **origin:** Sudan. **origin institute id:** IS 26855. **cultivar:** LODIONG. **other id:** SU 2261. **group:** SU. **other id:** MBKB 38. Cultivated. Seed.
- PI 570400 **origin:** Sudan. **origin institute id:** IS 26856. **cultivar:** LABALWA. **other id:** SU 2262. **group:** SU. **other id:** MBKB 39. Cultivated. Seed.
- PI 570401 **origin:** Sudan. **origin institute id:** IS 26857. **cultivar:** KABIR. **other id:** SU 2263. **group:** SU. **other id:** MBKB 41. **locality:** Magwi. Cultivated. Seed.
- PI 570402 **origin:** Sudan. **origin institute id:** IS 26858. **cultivar:** PUCHALLA WHITE. **other id:** SU 2264. **group:** SU. **other id:** MBKB 42. **locality:** Boma Hills. Cultivated. Seed.
- PI 570403 **origin:** Sudan. **origin institute id:** IS 27000. **other id:** SU 2265. **group:** SU. **other id:** WM 11165 (Yellow). Cultivated. Seed.
- PI 570404 **origin:** Sudan. **origin institute id:** IS 27007. **other id:** SU 2266. **group:** SU. **other id:** WM 11165 (Straw). Cultivated. Seed.
- PI 570405 **origin:** Sudan. **origin institute id:** IS 27009. **other id:** SU 2267. **group:** SU. **other id:** WM 11169. Cultivated. Seed.
- PI 570406 **origin:** Sudan. **origin institute id:** IS 27010. **other id:** SU 2268. **group:** SU. **other id:** WM 11171. Cultivated. Seed.
- PI 570407 **origin:** Sudan. **origin institute id:** IS 27011. **other id:** SU 2269. **group:** SU. **other id:** WM 11173. Cultivated. Seed.
- PI 570408 **origin:** Sudan. **origin institute id:** IS 27012. **other id:** SU 2270. **group:** SU. **other id:** WM 11187. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570409 **origin:** Sudan. **origin institute id:** IS 27013. **other id:** SU 2271. **group:** SU. **other id:** WM 11201. Cultivated. Seed.

PI 570410 **origin:** Sudan. **origin institute id:** IS 27014. **other id:** SU 2272. **group:** SU. **other id:** WM 11221. Cultivated. Seed.

PI 570411 **origin:** Sudan. **origin institute id:** IS 27015. **other id:** SU 2273. **group:** SU. **other id:** WM 11226. Cultivated. Seed.

PI 570412 **origin:** Sudan. **origin institute id:** IS 27016. **other id:** SU 2274. **group:** SU. **other id:** WM 11254. Cultivated. Seed.

PI 570413 **origin:** Sudan. **origin institute id:** IS 27017. **other id:** SU 2275. **group:** SU. **other id:** WM 11263. Cultivated. Seed.

PI 570414 **origin:** Sudan. **origin institute id:** IS 27018. **other id:** SU 2276. **group:** SU. **other id:** WM 11311. Cultivated. Seed.

PI 570415 **origin:** Sudan. **origin institute id:** IS 27019. **other id:** SU 2277. **group:** SU. **other id:** WM 11332. Cultivated. Seed.

PI 570416 **origin:** Sudan. **origin institute id:** IS 27020. **other id:** SU 2278. **group:** SU. **other id:** WM 11346. Cultivated. Seed.

PI 570417 **origin:** Sudan. **origin institute id:** IS 27021. **other id:** SU 2279. **group:** SU. **other id:** WM 11365. Cultivated. Seed.

PI 570418 **origin:** Sudan. **origin institute id:** IS 27022. **other id:** SU 2280. **group:** SU. **other id:** WM 11501. Cultivated. Seed.

PI 570419 **origin:** Sudan. **origin institute id:** IS 27023. **other id:** SU 2281. **group:** SU. **other id:** WM 11506. Cultivated. Seed.

PI 570420 **origin:** Sudan. **origin institute id:** IS 27024. **other id:** SU 2282. **group:** SU. **other id:** WM 11508. Cultivated. Seed.

PI 570421 **origin:** Sudan. **origin institute id:** IS 27025. **other id:** SU 2283. **group:** SU. **other id:** WM 11510. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570422 origin: Sudan. origin institute id: IS 27026. other id: SU 2284. group: SU. other id: WM 11511. Cultivated. Seed.
- PI 570423 origin: Sudan. origin institute id: IS 27027. other id: SU 2285. group: SU. other id: WM 11512. Cultivated. Seed.
- PI 570424 origin: Sudan. origin institute id: IS 27028. other id: SU 2286. group: SU. other id: WM 11516. Cultivated. Seed.
- PI 570425 origin: Sudan. origin institute id: IS 27029. other id: SU 2287. group: SU. other id: WM 11521. Cultivated. Seed.
- PI 570426 origin: Sudan. origin institute id: IS 27030. other id: SU 2288. group: SU. other id: WM 11523. Cultivated. Seed.
- PI 570427 origin: Sudan. origin institute id: IS 27031. other id: SU 2289. group: SU. other id: WM 11537. Cultivated. Seed.
- PI 570428 origin: Sudan. origin institute id: IS 27032. other id: SU 2290. group: SU. other id: WM 11539. Cultivated. Seed.
- PI 570429 origin: Sudan. origin institute id: IS 27033. other id: SU 2291. group: SU. other id: WM 11544. Cultivated. Seed.
- PI 570430 origin: Sudan. origin institute id: IS 27034. other id: SU 2292. group: SU. other id: WM 11548. Cultivated. Seed.
- PI 570431 origin: Sudan. origin institute id: IS 27035. other id: SU 2293. group: SU. other id: WM 11552. Cultivated. Seed.
- PI 570432 origin: Sudan. origin institute id: IS 27036. other id: SU 2294. group: SU. other id: WM 11647. Cultivated. Seed.
- PI 570433 origin: Sudan. origin institute id: IS 27037. other id: SU 2295. group: SU. other id: WM 11652. Cultivated. Seed.
- PI 570434 origin: Sudan. origin institute id: IS 27038. other id: SU 2296. group: SU. other id: WM 11668. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570435 **origin:** Sudan. **origin institute id:** IS 27039. **other id:** SU 2297. **group:** SU. **other id:** WM 11712. Cultivated. Seed.
- PI 570436 **origin:** Sudan. **origin institute id:** IS 27040. **other id:** SU 2298. **group:** SU. **other id:** WM 11770. Cultivated. Seed.
- PI 570437 **origin:** Sudan. **origin institute id:** IS 27041. **other id:** SU 2299. **group:** SU. **other id:** WM 11877. Cultivated. Seed.
- PI 570438 **origin:** Sudan. **origin institute id:** IS 2016. **other id:** SU 2300. **group:** SU. Cultivated. Seed.
- PI 570439 **origin:** Sudan. **origin institute id:** IS 2018. **source history:** Lubbock, Texas, United States. **other id:** SU 2302. **group:** SU. **other id:** SA 8448-6 [SP]. Cultivated. Seed.
- PI 570440 **origin:** Sudan. **origin institute id:** IS 2019A. **other id:** SU 2303. **group:** SU. Cultivated. Seed.
- PI 570441 **origin:** Sudan. **origin institute id:** IS 2019B. **other id:** SU 2304. **group:** SU. Cultivated. Seed.
- PI 570442 **origin:** Sudan. **origin institute id:** IS 2021A. **other id:** SU 2306. **group:** SU. Cultivated. Seed.
- PI 570443 **origin:** Sudan. **origin institute id:** IS 2021B. **other id:** SU 2307. **group:** SU. Cultivated. Seed.
- PI 570444 **origin:** Sudan. **origin institute id:** IS 2022. **other id:** SU 2308. **group:** SU. Cultivated. Seed.
- PI 570445 **origin:** Sudan. **origin institute id:** IS 2024. **other id:** SU 2310. **group:** SU. Cultivated. Seed.
- PI 570446 **origin:** Sudan. **origin institute id:** IS 2025B. **other id:** SU 2312. **group:** SU. Cultivated. Seed.
- PI 570447 **origin:** Sudan. **origin institute id:** IS 2027. **other id:** SU 2314. **group:** SU. Cultivated. Seed.
- PI 570448 **origin:** Sudan. **origin institute id:** IS 2029. **other id:** SU 2316. **group:** SU. Cultivated. Seed.
- PI 570449 **origin:** Sudan. **origin institute id:** IS 2033A. **other id:** SU 2319. **group:** SU. Cultivated. Seed.
- PI 570450 **origin:** Sudan. **origin institute id:** IS 2033B. **other id:** SU 2320. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570451 **origin:** Sudan. **origin institute id:** IS 2041. **source history:** Lubbock, Texas, United States. **other id:** SU 2328. **group:** SU. **other id:** SA 8288-3 [D]. Cultivated. Seed.
- PI 570452 **origin:** Sudan. **origin institute id:** IS 2045. **source history:** Lubbock, Texas, United States. **other id:** SU 2332. **group:** SU. **other id:** SA 8334 [DD]. Cultivated. Seed.
- PI 570453 **origin:** Sudan. **origin institute id:** IS 2048. **other id:** SU 2335. **group:** SU. Cultivated. Seed.
- PI 570454 **origin:** Sudan. **origin institute id:** IS 2049. **other id:** SU 2336. **group:** SU. Cultivated. Seed.
- PI 570455 **origin:** Sudan. **origin institute id:** IS 2050. **other id:** SU 2337. **group:** SU. Cultivated. Seed.
- PI 570456 **origin:** Sudan. **origin institute id:** IS 2054. **other id:** SU 2341. **group:** SU. Cultivated. Seed.
- PI 570457 **origin:** Sudan. **origin institute id:** IS 2055. **source history:** Lubbock, Texas, United States. **other id:** SU 2342. **group:** SU. **other id:** SA 8366-1. Cultivated. Seed.
- PI 570458 **origin:** Sudan. **origin institute id:** IS 2056. **other id:** SU 2343. **group:** SU. Cultivated. Seed.
- PI 570459 **origin:** Sudan. **origin institute id:** IS 2060. **other id:** SU 2347. **group:** SU. Cultivated. Seed.
- PI 570460 **origin:** Sudan. **origin institute id:** IS 2064. **other id:** SU 2351. **group:** SU. Cultivated. Seed.
- PI 570461 **origin:** Sudan. **origin institute id:** IS 2070. **other id:** SU 2357. **group:** SU. Cultivated. Seed.
- PI 570462 **origin:** Sudan. **origin institute id:** IS 2071. **other id:** SU 2358. **group:** SU. Cultivated. Seed.
- PI 570463 **origin:** Sudan. **origin institute id:** IS 2072. **other id:** SU 2359. **group:** SU. Cultivated. Seed.
- PI 570464 **origin:** Sudan. **origin institute id:** IS 2077. **other id:** SU 2364. **group:** SU. Cultivated. Seed.
- PI 570465 **origin:** Sudan. **origin institute id:** IS 2078. **other id:** SU 2365. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570466 **origin:** Sudan. **origin institute id:** IS 2079. **other id:** SU 2366. **group:** SU. Cultivated. Seed.

PI 570467 **origin:** Sudan. **origin institute id:** IS 2081. **other id:** SU 2368. **group:** SU. Cultivated. Seed.

PI 570468 **origin:** Sudan. **origin institute id:** IS 2082. **other id:** SU 2369. **group:** SU. Cultivated. Seed.

PI 570469 **origin:** Sudan. **origin institute id:** IS 2083. **other id:** SU 2370. **group:** SU. Cultivated. Seed.

PI 570470 **origin:** Sudan. **origin institute id:** IS 2084. **other id:** SU 2371. **group:** SU. Cultivated. Seed.

PI 570471 **origin:** Sudan. **origin institute id:** IS 2085. **other id:** SU 2372. **group:** SU. Cultivated. Seed.

PI 570472 **origin:** Sudan. **origin institute id:** IS 2086. **other id:** SU 2373. **group:** SU. Cultivated. Seed.

PI 570473 **origin:** Sudan. **origin institute id:** IS 2087. **other id:** SU 2374. **group:** SU. Cultivated. Seed.

PI 570474 **origin:** Sudan. **origin institute id:** IS 2088. **other id:** SU 2375. **group:** SU. Cultivated. Seed.

PI 570475 **origin:** Sudan. **origin institute id:** IS 2093. **source history:** India. **other id:** SU 2380. **group:** SU. Cultivated. Seed.

PI 570476 **origin:** Sudan. **origin institute id:** IS 2094. **other id:** SU 2381. **group:** SU. Cultivated. Seed.

PI 570477 **origin:** Sudan. **origin institute id:** IS 2095. **source history:** India. **other id:** SU 2382. **group:** SU. Cultivated. Seed.

PI 570478 **origin:** Sudan. **origin institute id:** IS 2096. **source history:** Inida. **other id:** SU 2383. **group:** SU. Cultivated. Seed.

PI 570479 **origin:** Sudan. **origin institute id:** IS 2097. **source history:** India. **other id:** SU 2384. **group:** SU. Cultivated. Seed.

PI 570480 **origin:** Sudan. **origin institute id:** IS 4141. **other id:** SU 2396. **group:** SU. Cultivated. Seed.

PI 570481 **origin:** Sudan. **origin institute id:** IS 2533. **other id:** SU 2424. **group:** SU. Cultivated. Seed.

PI 568987 to 570607-continued

- PI 570482 **origin:** Sudan. **origin institute id:** IS 2536. **source history:** Beltsville, Maryland, United States. **other id:** SU 2427. **group:** SU. **other id:** MN 789. **group:** MN. Cultivated. Seed.
- PI 570483 **origin:** Sudan. **origin institute id:** IS 2591. **other id:** SU 2428. **group:** SU. Cultivated. Seed.
- PI 570484 **origin:** Sudan. **origin institute id:** IS 2547. **other id:** SU 2430. **group:** SU. Cultivated. Seed.
- PI 570485 **origin:** Sudan. **origin institute id:** IS 2555. **source history:** Beltsville, Maryland, United States. **other id:** SU 2436. **group:** SU. **other id:** MN 817. **group:** MN. Cultivated. Seed.
- PI 570486 **origin:** Sudan. **origin institute id:** IS 2557. **other id:** SU 2438. **group:** SU. Cultivated. Seed.
- PI 570487 **origin:** Sudan. **origin institute id:** IS 2563. **other id:** SU 2444. **group:** SU. Cultivated. Seed.
- PI 570488 **origin:** Sudan. **origin institute id:** IS 2574. **other id:** SU 2451. **group:** SU. Cultivated. Seed.
- PI 570489 **origin:** Sudan. **origin institute id:** IS 2620. **other id:** SU 2457. **group:** SU. Cultivated. Seed.
- PI 570490 **origin:** Sudan. **origin institute id:** IS 2092. **other id:** SU 2460. **group:** SU. Cultivated. Seed.
- PI 570491 **origin:** Sudan. **origin institute id:** IS 2095. **source history:** India. **other id:** SU 2461. **group:** SU. Cultivated. Seed.
- PI 570492 **origin:** Sudan. **origin institute id:** IS 2096. **source history:** India. **other id:** SU 2462. **group:** SU. Cultivated. Seed.
- PI 570493 **origin:** Sudan. **origin institute id:** IS 2097. **source history:** India. **other id:** SU 2463. **group:** SU. Cultivated. Seed.
- PI 570494 **origin:** Sudan. **other id:** SU 2527. **group:** SU. **other id:** A/2 IS 6944. **group:** IS. Cultivated. Seed.
- PI 570495 **origin:** Sudan. **other id:** SU 2534. **group:** SU. **other id:** A/11 IS 3584. **group:** IS. Cultivated. Seed.
- PI 570496 **origin:** Sudan. **other id:** SU 2536. **group:** SU. **other id:** A/15 IS 2471. **group:** IS. Cultivated. Seed.

PI 568987 to 570607-continued

PI 570497	origin: Sudan.	other id: SU 2538.	group: SU.	other id:
	A/16 IS 7016.	group: IS.	Cultivated.	Seed.
PI 570498	origin: Sudan.	other id: SU 2539.	group: SU.	other id:
	A/18 IS 3445.	group: IS.	Cultivated.	Seed.
PI 570499	origin: Sudan.	other id: SU 2546.	group: SU.	other id:
	A/26A IS 7006.	group: IS.	Cultivated.	Seed.
PI 570500	origin: Sudan.	other id: SU 2549.	group: SU.	other id:
	A/28 IS 3449.	group: IS.	Cultivated.	Seed.
PI 570501	origin: Sudan.	other id: SU 2550.	group: SU.	other id:
	A/30A IS 2267.	group: IS.	Cultivated.	Seed.
PI 570502	origin: Sudan.	other id: SU 2551.	group: SU.	other id:
	A/34 IS 2484.	group: IS.	Cultivated.	Seed.
PI 570503	origin: Sudan.	other id: SU 2552.	group: SU.	other id:
	A/35 IS 9853.	group: IS.	Cultivated.	Seed.
PI 570504	origin: Sudan.	other id: SU 2555.	group: SU.	other id:
	A/41 IS 3454.	group: IS.	Cultivated.	Seed.
PI 570505	origin: Sudan.	other id: SU 2556.	group: SU.	other id:
	A/42 IS 3455.	group: IS.	Cultivated.	Seed.
PI 570506	origin: Sudan.	other id: SU 2559.	group: SU.	other id:
	A/46 IS 3456.	group: IS.	Cultivated.	Seed.
PI 570507	origin: Sudan.	other id: SU 2561.	group: SU.	other id:
	A/48 IS 9746.	group: IS.	Cultivated.	Seed.
PI 570508	origin: Sudan.	other id: SU 2564.	group: SU.	other id:
	A/50 IS 2306.	group: IS.	Cultivated.	Seed.
PI 570509	origin: Sudan.	other id: SU 2565.	group: SU.	other id:
	A/52 IS 3459.	group: IS.	Cultivated.	Seed.
PI 570510	origin: Sudan.	other id: SU 2566.	group: SU.	other id:
	A/53 IS 3460.	group: IS.	Cultivated.	Seed.
PI 570511	origin: Sudan.	other id: SU 2567.	group: SU.	other id:
	A/54 IS 3586.	group: IS.	Cultivated.	Seed.
PI 570512	origin: Sudan.	other id: SU 2568.	group: SU.	other id:
	A/55 IS 2285.	group: IS.	Cultivated.	Seed.
PI 570513	origin: Sudan.	other id: SU 2569.	group: SU.	other id:
	A/58 IS 2362.	group: IS.	Cultivated.	Seed.

PI 568987 to 570607-continued

PI 570514	origin: Sudan. A/60 IS 6929.	other id: SU 2570. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570515	origin: Sudan. A/61 IS 6930.	other id: SU 2571. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570516	origin: Sudan. A/64A IS 3463.	other id: SU 2572. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570517	origin: Sudan. A/65 IS 3464.	other id: SU 2573. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570518	origin: Sudan. A/68 IS 3465.	other id: SU 2574. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570519	origin: Sudan. A/72 IS 3589.	other id: SU 2577. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570520	origin: Sudan. A/73 IS 3468.	other id: SU 2578. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570521	origin: Sudan. A/75 IS 3588.	other id: SU 2579. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570522	origin: Sudan. A/80 IS 6895.	other id: SU 2581. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570523	origin: Sudan. A/82 IS 9870.	other id: SU 2582. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570524	origin: Sudan. A/83 IS 3472.	other id: SU 2583. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570525	origin: Sudan. A/84 IS 3590.	other id: SU 2584. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570526	origin: Sudan. A/87 IS 3473.	other id: SU 2586. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570527	origin: Sudan. A/88 IS 6922.	other id: SU 2587. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570528	origin: Sudan. A/89 IS 7065.	other id: SU 2588. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570529	origin: Sudan. A/91 IS 6938.	other id: SU 2591. group: IS.	group: SU. Cultivated.	other id: Seed.
PI 570530	origin: Sudan. A/92 IS 3476.	other id: SU 2592. group: IS.	group: SU. Cultivated.	other id: Seed.

PI 568987 to 570607-continued

PI 570531	origin: Sudan.	other id: SU 2593.	group: SU.	other id:
	A/94 IS 6985.	group: IS.	Cultivated.	Seed.
PI 570532	origin: Sudan.	other id: SU 2594.	group: SU.	other id:
	A/95 IS 3478.	group: IS.	Cultivated.	Seed.
PI 570533	origin: Sudan.	other id: SU 2596.	group: SU.	other id:
	A/97 IS 9751.	group: IS.	Cultivated.	Seed.
PI 570534	origin: Sudan.	other id: SU 2597.	group: SU.	other id:
	A/98 IS 9752.	group: IS.	Cultivated.	Seed.
PI 570535	origin: Sudan.	other id: SU 2598.	group: SU.	other id:
	A/99 IS 9753.	group: IS.	Cultivated.	Seed.
PI 570536	origin: Sudan.	other id: SU 2600.	group: SU.	other id:
	A/103 IS 6898.	group: IS.	Cultivated.	Seed.
PI 570537	origin: Sudan.	other id: SU 2601.	group: SU.	other id:
	A/104 IS 9881.	group: IS.	Cultivated.	Seed.
PI 570538	origin: Sudan.	other id: SU 2602.	group: SU.	other id:
	A/105 IS 6950.	group: IS.	Cultivated.	Seed.
PI 570539	origin: Sudan.	other id: SU 2603.	group: SU.	other id:
	A/107 IS 2304.	group: IS.	Cultivated.	Seed.
PI 570540	origin: Sudan.	other id: SU 2606.	group: SU.	other id:
	A/110 IS 3483.	group: IS.	Cultivated.	Seed.
PI 570541	origin: Sudan.	other id: SU 2607.	group: SU.	other id:
	A/111 IS 9800.	group: IS.	Cultivated.	Seed.
PI 570542	origin: Sudan.	other id: SU 2611.	group: SU.	other id:
	A/115 IS 3485.	group: IS.	Cultivated.	Seed.
PI 570543	origin: Sudan.	other id: SU 2612.	group: SU.	other id:
	A/117 IS 7058.	group: IS.	Cultivated.	Seed.
PI 570544	origin: Sudan.	other id: SU 2615.	group: SU.	other id:
	A/122 IS 6976.	group: IS.	Cultivated.	Seed.
PI 570545	origin: Sudan.	other id: SU 2616.	group: SU.	other id:
	A/123 IS 6990.	group: IS.	Cultivated.	Seed.
PI 570546	origin: Sudan.	other id: SU 2617.	group: SU.	other id:
	A/124 IS 6981.	group: IS.	Cultivated.	Seed.
PI 570547	origin: Sudan.	other id: SU 2618.	group: SU.	other id:
	A/125 IS 6980.	group: IS.	Cultivated.	Seed.

PI 568987 to 570607-continued

PI 570548	origin: Sudan. A/127 IS 3486.	other id: SU 2619. group: IS. Cultivated. Seed.	other id:
PI 570549	origin: Sudan. A/128 IS 3487.	other id: SU 2621. group: IS. Cultivated. Seed.	other id:
PI 570550	origin: Sudan. A/135 IS 6975.	other id: SU 2627. group: IS. Cultivated. Seed.	other id:
PI 570551	origin: Sudan. A/140 IS 2389.	other id: SU 2630. group: IS. Cultivated. Seed.	other id:
PI 570552	origin: Sudan. A/141 IS 3600.	other id: SU 2631. group: IS. Cultivated. Seed.	other id:
PI 570553	origin: Sudan. A/142 IS 9728.	other id: SU 2632. group: IS. Cultivated. Seed.	other id:
PI 570554	origin: Sudan. A/146 IS 6977.	other id: SU 2634. group: IS. Cultivated. Seed.	other id:
PI 570555	origin: Sudan. A/148 IS 3494.	other id: SU 2635. group: IS. Cultivated. Seed.	other id:
PI 570556	origin: Sudan. A/151 IS 3601.	other id: SU 2639. group: IS. Cultivated. Seed.	other id:
PI 570557	origin: Sudan. A/155 IS 3495.	other id: SU 2640. group: IS. Cultivated. Seed.	other id:
PI 570558	origin: Sudan. A/156 IS 9764.	other id: SU 2642. group: IS. Cultivated. Seed.	other id:
PI 570559	origin: Sudan. A/158 IS 9861.	other id: SU 2643. group: IS. Cultivated. Seed.	other id:
PI 570560	origin: Sudan. A/168 IS 9655.	other id: SU 2652. group: IS. Cultivated. Seed.	other id:
PI 570561	origin: Sudan. A/170 IS 3497.	other id: SU 2653. group: IS. Cultivated. Seed.	other id:
PI 570562	origin: Sudan. A/177 IS 3599.	other id: SU 2656. group: IS. Cultivated. Seed.	other id:
PI 570563	origin: Sudan. A/181 IS 9894.	other id: SU 2657. group: IS. Cultivated. Seed.	other id:
PI 570564	origin: Sudan. A/185 IS 9895.	other id: SU 2658. group: IS. Cultivated. Seed.	other id:

PI 568987 to 570607-continued

PI 570565	origin: Sudan. A/188 IS 3503.	other id: SU 2661. group: IS. Cultivated. Seed.	other id:
PI 570566	origin: Sudan. A/191 IS 3506.	other id: SU 2663. group: IS. Cultivated. Seed.	other id:
PI 570567	origin: Sudan. A/195 IS 3509.	other id: SU 2665. group: IS. Cultivated. Seed.	other id:
PI 570568	origin: Sudan. A/209 IS 3519.	other id: SU 2670. group: IS. Cultivated. Seed.	other id:
PI 570569	origin: Sudan. A/211 IS 3520.	other id: SU 2673. group: IS. Cultivated. Seed.	other id:
PI 570570	origin: Sudan. A/214 IS 2319.	other id: SU 2674. group: IS. Cultivated. Seed.	other id:
PI 570571	origin: Sudan. A/215 IS 3521.	other id: SU 2675. group: IS. Cultivated. Seed.	other id:
PI 570572	origin: Sudan. A/217 IS 6939.	other id: SU 2676. group: IS. Cultivated. Seed.	other id:
PI 570573	origin: Sudan. A/219 IS 2288.	other id: SU 2678. group: IS. Cultivated. Seed.	other id:
PI 570574	origin: Sudan. A/220 IS 2328.	other id: SU 2679. group: IS. Cultivated. Seed.	other id:
PI 570575	origin: Sudan. A/231 IS 3525.	other id: SU 2685. group: IS. Cultivated. Seed.	other id:
PI 570576	origin: Sudan. A/240 IS 3521.	other id: SU 2688. group: IS. Cultivated. Seed.	other id:
PI 570577	origin: Sudan. A/245 IS 9774.	other id: SU 2691. group: IS. Cultivated. Seed.	other id:
PI 570578	origin: Sudan. A/254 IS 9310.	other id: SU 2697. group: IS. Cultivated. Seed.	other id:
PI 570579	origin: Sudan. A/256 IS 9776.	other id: SU 2699. group: IS. Cultivated. Seed.	other id:
PI 570580	origin: Sudan. A/259 IS 3535.	other id: SU 2700. group: IS. Cultivated. Seed.	other id:
PI 570581	origin: Sudan. A/261 IS 3065.	other id: SU 2702. group: IS. Cultivated. Seed.	other id:

PI 568987 to 570607-continued

PI 570582	origin: Sudan. A/266 IS 3542.	other id: SU 2704. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570583	origin: Sudan. A/268 IS 3543.	other id: SU 2705. group: SU. Cultivated. Seed.	other id:
PI 570584	origin: Sudan. A/270 IS 9779.	other id: SU 2707. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570585	origin: Sudan. A/275 IS 3547.	other id: SU 2710. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570586	origin: Sudan. A/289 IS 3567.	other id: SU 2715. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570587	origin: Sudan. A/285 IS 3577.	other id: SU 2716. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570588	origin: Sudan. A/290 IS 3552.	other id: SU 2718. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570589	origin: Sudan. A/291 IS 6951.	other id: SU 2719. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570590	origin: Sudan. A/292 IS 6952.	other id: SU 2720. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570591	origin: Sudan. A/294 IS 2334.	other id: SU 2721. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570592	origin: Sudan. A/295 IS 3554.	other id: SU 2722. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570593	origin: Sudan. A/302 IS 3557.	other id: SU 2725. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570594	origin: Sudan. A/312 IS 2259.	other id: SU 2731. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570595	origin: Sudan. A/313 IS 6931.	other id: SU 2732. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570596	origin: Sudan. A/316 IS 6938.	other id: SU 2735. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570597	origin: Sudan. A/317 IS 6935.	other id: SU 2736. group: SU. group: IS. Cultivated. Seed.	other id:
PI 570598	origin: Sudan. A/319 IS 6934.	other id: SU 2738. group: SU. group: IS. Cultivated. Seed.	other id:

PI 568987 to 570607-continued

PI 570599 **origin:** Sudan. **other id:** SU 2740. **group:** SU. **other id:**
 A/323 IS 3565. **group:** IS. Cultivated. Seed.

PI 570600 **origin:** Sudan. **other id:** SU 2742. **group:** SU. **other id:**
 A/325 IS 7023. **group:** IS. Cultivated. Seed.

PI 570601 **origin:** Sudan. **other id:** SU 2743. **group:** SU. **other id:**
 A/328 IS 9793. **group:** IS. Cultivated. Seed.

PI 570602 **origin:** Sudan. **other id:** SU 2745. **group:** SU. **other id:**
 A/329 IS 2343. **group:** IS. Cultivated. Seed.

PI 570603 **origin:** Sudan. **other id:** SU 2746. **group:** SU. **other id:**
 A/330 IS 3568. **group:** IS. Cultivated. Seed.

PI 570604 **origin:** Sudan. **other id:** SU 2747. **group:** SU. **other id:**
 A/331 IS 6925. **group:** IS. Cultivated. Seed.

PI 570605 **origin:** Sudan. **other id:** SU 2749. **group:** SU. **other id:**
 A/333 IS 3569. **group:** IS. Cultivated. Seed.

PI 570606 **origin:** Sudan. **other id:** SU 2752. **group:** SU. **other id:**
 A/335 IS 3570. **group:** IS. Cultivated. Seed.

PI 570607 **origin:** Sudan. **other id:** SU 2753. **group:** SU. **other id:**
 A/336 IS 3571. **group:** IS. Cultivated. Seed.

PI 570608 to 570609. *Solanum andreanum* Baker SOLANACEAE Potato

Donated by: Spooner, David, USDA-ARS, University of Wisconsin,
 Department of Horticulture, Madison, Wisconsin 53706, United
 States. Received August 12, 1991.

PI 570608 **origin:** Ecuador. **collected:** May 12, 1991. **collector id:**
 SCLp 5075. **other id:** BE-3569. **other id:** Q 28580.
 latitude: 01 deg. 41 min.. **longitude:** 079 deg. 06 min..
 elevation: 2760m. **remarks:** Collected during April-June
 1991 as *S. andreanum*. Map location 24. This one
 collection is in the general type locality for both *S.*
 suffrutescens and *S. tundalomense* and may represent the
 type locality for both names. Wild. Seed.

PI 570609 **origin:** Ecuador. **collected:** June 20, 1991. **collector**
 id: SCLp 5153. **other id:** BE-3569. **other id:** Q 28601.
 latitude: 02 deg. 10 min.. **longitude:** 078 deg. 25 min..
 elevation: 2620m. **remarks:** Collected during April-June
 1991 as *S. andreanum*. Map location 30. Wild. Seed.

PI 570610. *Solanum andreanum* Baker SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

origin: Colombia. **collected:** July 09, 1992. **collector id:** CPLS 1224. **other id:** BE-4266. **other id:** Q 29328. **latitude:** 00 deg. 42 min.. **longitude:** 077 deg. 41 min.. **elevation:** 2450m. Annual. Wild. Seed.

PI 570611. *Solanum brachycarpum* Correll SOLANACEAE Potato

Donated by: Martin, Max, IR-1, Sturgeon Bay, Wisconsin 54235, United States. **remarks:** Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.

donor id: HJE 7359. **origin:** Mexico. **collected:** October 16, 1991. **collector id:** HJE 7359. **other id:** BE-3783. **source:** APHIS. **other id:** HG 7359. **source:** package label. **other id:** Q 28838. **elevation:** 2350m. **remarks:** Received as *Solanum brachycarpum*. Wild. Seed.

PI 570612. *Solanum cardiophyllum* Lindley SOLANACEAE Potato

Donated by: Martin, Max, IR-1, Sturgeon Bay, Wisconsin 54235, United States. **remarks:** Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.

donor id: HJE 7364. **origin:** Mexico. **collected:** October 17, 1991. **collector id:** HJE 7364. **other id:** BE-3783. **source:** APHIS. **other id:** HG 7364. **source:** package label. **other id:** Q 28840. **elevation:** 2300m. Wild. Seed.

PI 570613 to 570617. *Solanum colombianum* Dunal SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

PI 570613 **origin:** Colombia. **collected:** July 16, 1992. **collector id:** CPLS 1248. **other id:** BE-4266. **other id:** Q 29343. **latitude:** 02 deg. 22 min.. **longitude:** 076 deg. 23 min.. **elevation:** 3290m. Annual. Wild. Seed.

PI 570614 **origin:** Colombia. **collected:** July 20, 1992. **collector id:** CPLS 1260. **other id:** BE-4266. **other id:** Q 29353. **latitude:** 03 deg. 21 min.. **longitude:** 076 deg. 10 min.. **elevation:** 2610m. Annual. Wild. Seed.

PI 570613 to 570617-continued

- PI 570615 **origin:** Colombia. **collected:** July 20, 1992. **collector id:** CPLS 1263. **other id:** BE-4266. **other id:** Q 29357. **latitude:** 03 deg. 20 min.. **longitude:** 076 deg. 05 min.. **elevation:** 3505m. Annual. Wild. Seed.
- PI 570616 **origin:** Colombia. **collected:** July 20, 1992. **collector id:** CPLS 1264. **other id:** BE-4266. **other id:** Q 29358. **latitude:** 03 deg. 21 min.. **longitude:** 076 deg. 04 min.. **elevation:** 3600m. Annual. Wild. Seed.
- PI 570617 **origin:** Colombia. **collected:** July 24, 1992. **collector id:** CPLS 1266. **other id:** BE-4266. **other id:** Q 29360. **latitude:** 02 deg. 29 min.. **longitude:** 075 deg. 10 min.. **elevation:** 2480m. Annual. Wild. Seed.

PI 570618 to 570619. *Solanum cuatrecasasii* Ochoa SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

- PI 570618 **origin:** Colombia. **collected:** August 12, 1992. **collector id:** CPLS 1291. **other id:** BE-4266. **other id:** Q 29368. **latitude:** 10 deg. 22 min.. **longitude:** 072 deg. 48 min.. **elevation:** 2450m. Annual. Wild. Seed.
- PI 570619 **origin:** Colombia. **collected:** August 12, 1992. **collector id:** CPLS 1292. **other id:** BE-4266. **other id:** Q 29369. **latitude:** 10 deg. 22 min.. **longitude:** 072 deg. 48 min.. **elevation:** 2600m. Annual. Wild. Seed.

PI 570620 to 570621. *Solanum flahaultii* Bitter SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

- PI 570620 **origin:** Colombia. **collected:** July 30, 1992. **collector id:** CPLS 1272. **other id:** BE-4266. **other id:** Q 29361. **latitude:** 05 deg. 06 min.. **longitude:** 074 deg. 02 min.. **elevation:** 3400m. Annual. Wild. Seed.
- PI 570621 **origin:** Colombia. **collected:** August 06, 1992. **collector id:** CPLS 1284. **other id:** BE-4266. **other id:** Q 29366. **latitude:** 06 deg. 11 min.. **longitude:** 072 deg. 47 min.. **elevation:** 3150m. Annual. Wild. Seed.

PI 570622. *Solanum garcia-barrigae* Ochoa SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received October 09, 1992.

origin: Colombia. **collected:** August 17, 1992. **collector id:** CPLS 1301. **other id:** BE-4266. **other id:** Q 29373. **latitude:** 07 deg. 52 min.. **longitude:** 073 deg. 14 min.. **elevation:** 3150m. Annual. Wild. Seed.

PI 570623 to 570624. *Solanum juglandifolium* Dunal SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

PI 570623 **origin:** Colombia. **collected:** July 04, 1992. **collector id:** CPLS 1207. **other id:** BE-4266. **other id:** Q 29319. **latitude:** 04 deg. 38 min.. **longitude:** 075 deg. 35 min.. **elevation:** 1800m. Annual. Wild. Seed.

PI 570624 **origin:** Colombia. **collected:** July 09, 1992. **collector id:** CPLS 1227. **other id:** BE-4266. **other id:** Q 29330. **latitude:** 00 deg. 41 min.. **longitude:** 077 deg. 30 min.. **elevation:** 2250m. Annual. Wild. Seed.

PI 570625. *Solanum matehualae* Hjert. & Tarn SOLANACEAE Potato

Donated by: Martin, MAX, IR-1, Sturgeon Bay, Wisconsin 54235, United States. **remarks:** Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.

donor id: HJE 7387. **origin:** Mexico. **collected:** October 19, 1991. **collector id:** HJE 7387. **other id:** BE-3783. **source:** APHIS. **other id:** HG 7387. **source:** package label. **other id:** Q 28842. **elevation:** 2600m. Wild. Seed.

PI 570626 to 570634. *Solanum moscopanum* Hawkes SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

PI 570626 **origin:** Colombia. **collected:** July 16, 1992. **collector id:** CPLS 1244. **other id:** BE-4266. **other id:** Q 29340. **latitude:** 02 deg. 23 min.. **longitude:** 076 deg. 23 min.. **elevation:** 3390m. Annual. Wild. Seed.

PI 570626 to 570634-continued

- PI 570627 **origin:** Colombia. **collected:** July 16, 1992. **collector id:** CPLS 1246. **other id:** BE-4266. **other id:** Q 29341. **latitude:** 02 deg. 21 min.. **longitude:** 076 deg. 20 min.. **elevation:** 3270m. Annual. Wild. Seed.
- PI 570628 **origin:** Colombia. **collected:** July 16, 1992. **collector id:** CPLS 1247. **other id:** BE-4266. **other id:** Q 29342. **latitude:** 02 deg. 22 min.. **longitude:** 076 deg. 23 min.. **elevation:** 3290m. Annual. Wild. Seed.
- PI 570629 **origin:** Colombia. **collected:** July 16, 1992. **collector id:** CPLS 1249. **other id:** BE-4266. **other id:** Q 29344. **latitude:** 02 deg. 21 min.. **longitude:** 076 deg. 18 min.. **elevation:** 3210m. Annual. Wild. Seed.
- PI 570630 **origin:** Colombia. **collected:** July 17, 1992. **collector id:** CPLS 1250. **other id:** BE-4266. **other id:** Q 29345. **latitude:** 01 deg. 58 min.. **longitude:** 076 deg. 42 min.. **elevation:** 3355m. Annual. Wild. Seed.
- PI 570631 **origin:** Colombia. **collected:** July 19, 1992. **collector id:** CPLS 1257. **other id:** BE-4266. **other id:** Q 29349. **latitude:** 02 deg. 30 min.. **longitude:** 076 deg. 13 min.. **elevation:** 3290m. Annual. Wild. Seed.
- PI 570632 **origin:** Colombia. **collected:** July 19, 1992. **collector id:** CPLS 1258. **other id:** BE-4266. **other id:** Q 29351. **latitude:** 02 deg. 30 min.. **longitude:** 076 deg. 12 min.. **elevation:** 3280m. Annual. Wild. Seed.
- PI 570633 **origin:** Colombia. **collected:** July 20, 1992. **collector id:** CPLS 1262. **other id:** BE-4266. **other id:** Q 29356. **latitude:** 03 deg. 20 min.. **longitude:** 076 deg. 05 min.. **elevation:** 3505m. Annual. Wild. Seed.
- PI 570634 **origin:** Colombia. **collected:** July 20, 1992. **collector id:** CPLS 1265. **other id:** BE-4266. **other id:** Q 29359. **latitude:** 03 deg. 21 min.. **longitude:** 076 deg. 04 min.. **elevation:** 3600m. Annual. Wild. Seed.

PI 570635. *Solanum ochranthum* Dunal SOLANACEAE Potato

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received August 12, 1991.

origin: Ecuador. **collected:** May 26, 1991. **collector id:** SCLp 5107. **other id:** BE-3569. **other id:** Q 28587. **latitude:** 00 deg. 39 min.. **longitude:** 077 deg. 56 min.. **elevation:** 3250m. **remarks:** Collected during April-June 1991 as *S. ochranthum*. Map location 2. Wild. Seed.

PI 570636. *Solanum orocense* Ochoa SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received October 09, 1992.

origin: Colombia. **collected:** August 17, 1992. **collector id:** CPLS 1303. **other id:** BE-4266. **other id:** Q 29375. **latitude:** 07 deg. 51 min.. **longitude:** 073 deg. 14 min.. **elevation:** 3350m. Annual. Wild. Seed.

PI 570637. *Solanum paramoense* Bitter SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

origin: Venezuela. **collected:** September 08, 1992. **collector id:** SPV 6337. **other id:** Q 29314. **latitude:** 08 deg. 58 min.. **longitude:** 070 deg. 48 min.. **elevation:** 3360m. Annual. Wild. Seed.

PI 570638. *Solanum phureja* Juz. & Buk. SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

origin: Colombia. **collected:** August 05, 1992. **collector id:** CPLS 1281. **other id:** BE-4266. **other id:** Q 29364. **latitude:** 05 deg. 50 min.. **longitude:** 073 deg. 15 min.. **elevation:** 2900m. Annual. Wild. Seed.

PI 570639. *Solanum* sp. SOLANACEAE Potato

Donated by: Martin, Max, IR-1, Sturgeon Bay, Wisconsin 54235, United States. **remarks:** Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.

donor id: HJE 7345. **origin:** Mexico. **collected:** October 10, 1991. **collector id:** HJE 7345. **other id:** BE-3783. **source:** APHIS. **other id:** Q 28837. **elevation:** 2500m. Wild. Seed.

PI 570640. *Solanum* sp. SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

PI 570640-continued

origin: Colombia. **collected:** August 13, 1992. **collector id:** CPLS 1297. **other id:** BE-4266. **other id:** Q 29371. **latitude:** 10 deg. 22 min.. **longitude:** 072 deg. 47 min.. **elevation:** 3040m. Annual. Wild. Seed.

PI 570641 to 570642. *Solanum tarnii* Hawkes & Hjert. SOLANACEAE Potato

Donated by: Martin, Max, IR-1, Sturgeon Bay, Wisconsin 54235, United States. **remarks:** Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.

PI 570641 **donor id:** HJE 7361. **origin:** Mexico. **collected:** October 16, 1991. **collector id:** HJE 7361. **other id:** BE-3783. **source:** APHIS. **other id:** HG 7361. **source:** package label. **other id:** Q 28839. **elevation:** 2230m. Wild. Seed.

PI 570642 **donor id:** HJE 7365. **origin:** Mexico. **collected:** October 17, 1991. **collector id:** HJE 7365. **other id:** BE-3783. **source:** APHIS. **other id:** HG 7365. **source:** package label. **other id:** Q 28841. **elevation:** 2300m. Wild. Seed.

PI 570643 to 570645. *Solanum verrucosum* Schldl. SOLANACEAE Potato

Donated by: Martin, Max, IR-1, Sturgeon Bay, Wisconsin 54235, United States. **remarks:** Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.

PI 570643 **donor id:** HJE 7393. **origin:** Mexico. **collected:** October 22, 1991. **collector id:** HJE 7393. **other id:** BE-3783. **source:** APHIS. **other id:** HG 7393. **source:** package label. **other id:** Q 28843. **elevation:** 3200m. Wild. Seed.

PI 570644 **donor id:** HJE 7394. **origin:** Mexico. **collected:** October 22, 1991. **collector id:** HJE 7394. **other id:** BE-3783. **source:** APHIS. **other id:** HG 7394. **source:** package label. **other id:** Q 28844. **elevation:** 3250m. Wild. Seed.

PI 570645 **donor id:** HJE 7395. **origin:** Mexico. **collected:** October 22, 1991. **collector id:** HJE 7395. **other id:** BE-3783. **source:** APHIS. **other id:** HG 7395. **source:** package label. **other id:** Q 28845. **elevation:** 3280m. Wild. Seed.

PI 570646. *Digitaria floridana* A. Hitchc. POACEAE Turf grass

Donated by: Dubin, D.B., United States; and Dubin, K.A., United States. Received June 18, 1993.

origin: United States. **developed:** D.B. Dubin, K.A. Dubin. **cultivar:** FANTASY TURF. **other id:** PVP 9300221. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570647. *Triticum aestivum* L., nom. cons. POACEAE Wheat

Donated by: Cebeco Zaden B.V., Netherlands. Received June 18, 1993.

origin: Netherlands. **origin institute:** Cebeco Zaden B.V. Netherlands. **cultivar:** RITMO. **other id:** PVP 9300222. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570648. *Phaseolus vulgaris* L. var. *vulgaris* FABACEAE Garden bean

Donated by: Asgrow Seed Company, United States. Received June 18, 1993.

origin: United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** MATADOR. **other id:** PVP 9300223. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570649. *Pisum sativum* L. subsp. *sativum* FABACEAE Garden pea

Donated by: Asgrow Seed Company, United States. Received June 18, 1993.

origin: United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** AWARD. **other id:** PVP 9300224. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570650. *Phaseolus vulgaris* L. FABACEAE Common bean

Donated by: Asgrow Seed Company, United States. Received June 18, 1993.

origin: United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** XP B279. **other id:** PVP 9300225. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570651. *Phaseolus vulgaris* L. var. *vulgaris* FABACEAE Garden bean

Donated by: Asgrow Seed Company, United States. Received June 18, 1993.

origin: United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** BANQUET. **other id:** PVP 9300226. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570652. *Apium graveolens* var. *dulce* (Miller) Pers. APIACEAE Celery

Donated by: Royal Sluis, Koninklijke Zaaizaadbedrijven, Gebroeders Sluis B.V., Netherlands. Received June 18, 1993.

origin: Netherlands. **origin institute:** Royal Sluis, Koninklijke Zaaizaadbedrijven Gebroeders, Sluis B.V. Netherlands. **cultivar:** ROCKET. **other id:** PVP 9300227. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570653. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Helena Chemical Company, United States. Received June 18, 1993.

origin: United States. **origin institute:** Helena Chemical Company United States. **cultivar:** HSC 741. **other id:** PVP 9300228. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570654. *Triticum aestivum* L., nom. cons. POACEAE Soft red winter wheat

Donated by: AgriPro Biosciences Inc., United States. Received June 18, 1993.

origin: United States. **origin institute:** AgriPro Biosciences, Inc. United States. **origin institute id:** 88M*2451. **cultivar:** BOONE. **pedigree:** Tecumseh/Hybrid 481. **other id:** PVP 9300229. **source:** Pending. **group:** PVPO. **patent:** PVPO. **remarks:** Boone is a high yielding, medium height semidwarf with strong straw and midseason maturity. It provides good protection to BYDV, powdery mildew, SBMV, and the currently prevalent races of leaf rust. Milling and baking properties are good. Boone is well adapted to eastern Kansas, Missouri, Illinois, Indiana, and Ohio. Cultivar. Seed.

PI 570655. *Lactuca sativa* L. ASTERACEAE Lettuce

Donated by: Asgrow Seed Company, United States. Received June 18, 1993.

origin: United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** WOGLIN. **other id:** PVP 9300230. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570656. *Avena sativa* L. POACEAE Spring oat

Donated by: University of Illinois, United States. Received June 18, 1993.

origin: United States. **origin institute:** University of Illinois United States. **cultivar:** BRAUN. **other id:** PVP 9300232. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570657. *Bromus stamineus* Desv. POACEAE Bromegrass

Donated by: Pyne Gould Guinness Ltd., N.Z. Pastoral Agri. Res. Inst. Ltd., New Zealand. Received June 18, 1993.

origin: New Zealand. **origin institute:** Pyne Gould Guinness Ltd., N.Z. Pastoral Agri. Res. Inst. Ltd. New Zealand. **cultivar:** GRASSLANDS GALA. **other id:** PVP 9300233. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570658. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Pioneer Hi-Bred International, Inc., United States. Received June 18, 1993.

origin: United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** 9252. **other id:** PVP 9300234. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570659. *Festuca arundinacea* Schreber POACEAE Tall fescue

Donated by: Olsen-Fennell Seeds, Inc., United States. Received June 18, 1993.

origin: United States. **origin institute:** Olsen-Fennell Seeds, Inc. United States. **cultivar:** MINX. **other id:** PVP 9300235. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570660. *Festuca arundinacea* Schreber POACEAE Tall fescue

Donated by: Seed Research of Oregon, Inc., United States. Received June 18, 1993.

origin: United States. **origin institute:** Seed Research of Oregon, Inc. United States. **cultivar:** SR 8300.
other id: PVP 9300236. **source:** Pending. **group:** PVPO.
patent: PVPO. Cultivar. Seed.

PI 570661. *Phaseolus vulgaris* L. FABACEAE Common bean

Donated by: Park, S.J., Harrow Res. Sta.--Agriculture Canada, Harrow, Ontario NOR 1BO, Canada. **remarks:** HR45 Common Bean Germplasm. Received June 18, 1993.

origin: Canada. **developed:** S.J. Park, B.N. Dhanvantari.
origin institute: Harrow Res. Sta.--Agriculture Canada, Harrow, Ontario NOR 1BO Canada. **cultivar:** HR45.
pedigree: HR13-621*2//XAN159/HR13-621. **other id:** GP-114.
source: Crop Sci. 34(2):548 1994. **group:** CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:** Highly resistant to bean common blight (*Xanthomonas campestris* pv *phaseoli*). Does not react with lesions in response to multiple needle inoculation. Highly resistant to pod blight. Tolerant to white mold (*Sclerotinia sclerotiorum* de Bary), which may be attributable to upright plant type with narrow canopy and to mold resistance of cv Ex Rico 23 in lineage. Slightly susceptible to bronzing caused by ozone. Hypocotyl green. Flowers white. Pod at maturity light brown. Seed white with dull coat. Semi-determinate growth habit with narrow canopy. Maturity medium. Spring Annual. Breeding Material. Seed.

PI 570662. *Zea mays* L. subsp. *mays* POACEAE Corn

Donated by: Pratt, R.C., Ohio Agr. Res. and Dev. Center, Ohio State University, Dept. of Agronomy, Wooster, Ohio 44691, United States; and Agricultural Research Service -- USDA. **remarks:** OhS3(C5) Maize Synthetic. Received June 18, 1993.

origin: United States. **developed:** R.C. Pratt, W.R. Findley, M.W. Jones, W.D. Guthrie. **origin institute:** Ohio Agr. Res. and Dev. Center, Ohio State University, Dept. of Agronomy, 1680 Madison Avenue, Wooster, Ohio 44691 United States. **cultivar:** OhS3(C5). **pedigree:** BS3. **other id:** Ohio Syn. Pop. No. 3 (Cycle 5). **other id:** GP-251. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Plant characteristics variable. Average plant and ear heights 278cm and 153cm, respectively. Kernels yellow dent type. Maturity variable (ranges from AES 700 to AES 800). Average days to pollen-shed and silking 73 and 77, respectively. Average root and stalk lodging 0 and 23%, respectively. Spring Annual. Breeding Material. Seed.

PI 570663. *Zea mays* L. subsp. *mays* POACEAE Corn

Donated by: Pratt, R.C., Ohio Agr. Res. and Dev. Center, Ohio State University, Wooster, Ohio 44691, United States. **remarks:** See PI 573099. Received June 18, 1993.

origin: United States. **developed:** Richard C. Pratt, William R. Findley Jr., A. Sotomayor-Rios, S. Torres-Cardona. **origin institute:** Ohio Agr. Res. and Dev. Center, Ohio State University, 1680 Madison Ave., Wooster, Ohio 44691 United States. **cultivar:** OhS10(C1). **pedigree:** OhS7/OhS8. **other id:** Ohio Syn. Pop. No. 10 (Cycle 1. **other id:** GP-294. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Plant, ear and kernel characteristics variable. Maturity ranges from AES 700-900. Average days to pollen shed and silking 79 and 82, respectively. Average plant and ear heights 297 and 153cm, respectively. Kernels primarily yellow to yellow-orange, dent to flinty types. Average root and stalk lodging 0 and 20%, respectively. Some resistance to northern leaf blight. Exserohilum turcicum Pass present. Spring Annual. Breeding Material. Seed.

PI 570664. *Panicum maximum* Jacq. POACEAE Guinea grass

Donated by: Hanna, W.W., Agricultural Research Service -- USDA, University of Georgia, Tifton, Georgia 31793, United States; and Georgia Coastal Plain Exp. Sta.. **remarks:** Tift SPM92 *Panicum maximum* Germplasm. Received June 18, 1993.

origin: United States. **developed:** W.W. Hanna, H. Nakagawa. **origin institute:** Agricultural Research Service -- USDA, Univ. of Georgia, Agric. Res. Sta., Crop & Soil Sciences Dept., Tifton, Georgia 31793 United States. **cultivar:** TIFT SPM92. **pedigree:** F4 progeny between a sexual tetraploid ($2n = 32$) plant and a true-breeding sexual induced tetraploid plant from Japan. **other id:** GP-66. **source:** Crop Sci. 34(2):547 1994. **group:** CSR-OTHER GRASSES. **restricted:** CSR. **remarks:** Morphologically variable true-breeding sexual (from seed) germplasm. Useful as a female parent in crosses with apomictic plants to release the genetic variability of the apomicts in the species and to produce superior apomictic forage hybrids. Perennial. Breeding Material. Seed.

PI 570665. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Jasso, A.H., CIANO-INIFAP-SARH, Yaqui Valley Experiment Station, Apartado Postal 515, Obregon, Sonora 85000, Mexico.
remarks: CIANO Alamos-92 Cotton. Received June 18, 1993.

origin: Mexico. **developed:** A. Hernandez Jasso, L. Perez Solis. **origin institute:** CIANO-INIFAP-SARH, Yaqui Valley Experiment Station, Apartado Postal 515, Obregon, Sonora 85000 Mexico. **cultivar:** CIANO ALAMOS 92. **pedigree:** Deltapine 80/TAMU 1209. **other id:** CV-104. **source:** Crop Sci. 34(2):535 1994. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Indeterminate maturing cultivar with an open plant type, semipubescent stem with intermediate to short internodes. Mature plants average 95cm in height. Leaves intermediate in size and scarce in pilosity. Flowers white-creamy. Capsules have 4 or 5 locules with some pubescence. Bolls ovated and average 5.4g seedcotton per boll. Seed index averages 9.7g. Begins flowering about 80-82 d (750 heat units) after planting. Average fiber length 2.70cm. Fiber strength is 568 MPa and micronaire averages 4.4 units. Spring Annual. Cultivar. Seed.

PI 570666. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Jasso, A.H., CIANO-INIFAP-SARH, Yaqui Valley Experiment Station, Apartado Postal 515, Obregon, Sonora 85000, Mexico.
remarks: CIANO Cocorim-92 Cotton. Received June 18, 1993.

origin: Mexico. **developed:** A. Hernandez Jasso, L. Perez Solis. **origin institute:** CIANO-INIFAP-SARH, Yaqui Valley Experiment Station, Apartado Postal 515, Obregon, Sonora 85000 Mexico. **cultivar:** CIANO COCORIM-92. **pedigree:** Stripper 61-28/Ca 1012. **other id:** CV-105. **source:** Crop Sci. 34(2):536 1994. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Cluster-type cultivar with semipubescent stem with short internodes. Mature plants average 95cm in height. Leaves small and intermediate in pilosity. Flowers white-creamy, with some pubescence. Capsules have 4 or 5 locules. Bolls rounded in shape and average 5.9g seedcotton per boll. Seed index averages 11.4g. Early maturing that begins flowering about 75-78 d (670 heat units). Average fiber length of 2.70cm. Fiber strength is 582 MPa and micronaire averages 4.7 units. Spring Annual. Cultivar. Seed.

PI 570667. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Jasso, A.H., CIANO-INIFAP-SARH, Yaqui Valley Experiment Station, Apartado Postal 515, Obregon, Sonora 85000, Mexico. **remarks:** CIANO Tajimaroa-92 Cotton. Received June 18, 1993.

origin: Mexico. **developed:** A. Hernandez Jasso, L. Perez Solis. **origin institute:** CIANO-INIFAP-SARH, Yaqui Valley Experiment Station, Apartado Postal 515, Obregon, Sonora 85000 Mexico. **cultivar:** CIANO TAJIMAROA 92. **pedigree:** Single plant selection out of CIANO CUBACHI-86. **other id:** CV-106. **source:** Crop Sci. 34(2):535 1994. **group:** CSR-COTTON. **restricted:** CSR. **remarks:** Full-season cluster-type cultivar with almost smooth stem, short internodes. Mature plants average 110cm in height. Leaves small and intermediate in pilosity. Flowers white-creamy with some pubescence. Capsules have 4 or 5 locules. Bolls rounded and average 5.7g seedcotton per boll. Seed index averages 11.4g. Begins flowering about 80-82 d (760 heat units) after planting. Average fiber length of 2.70cm. Fiber strength is 582 MPa and micronaire is 4.8 units. Spring Annual. Cultivar. Seed.

PI 570668. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Torres, N.C., CIANO-INIFAP-SARH, Northwest Regional Research Center, Cd. Obregon, Sonora 85000, Mexico. **remarks:** Ciaric Soybean. Received June 18, 1993.

origin: Mexico. **developed:** N. Castillo T., L. Montoya C.. **origin institute:** CIRNO-INIFAP-SARH, Northwest Regional Research Center, Apartado Postal 515, Ciudad Obregon, Sonora Mexico. **cultivar:** CIARIC. **pedigree:** Suaqui'86 x ROSALES S'80. **other id:** CV-314. **source:** Crop Sci. 34(1):310 1994. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Maturity VI, begins flowering about 53 d after planting and reaches physiological maturity about 120 d. Mature plants average 80cm in height. Flowers purple. Pubescence tawny. Seed yellow with both black and gray hila. Seed weight averages 161mg. Seed protein concentration averages 397 g kg⁻¹. Oil concentration averages 21.5g kg⁻¹. Cultivar. Seed.

PI 570669. *Lotus corniculatus* L. FABACEAE Broadleaf birdsfoot trefoil

Donated by: Beuselinck, P.R., Agricultural Research Service -- USDA, Pl. Genetic Res. Unit, Univ. of Missouri, Columbia, Missouri 65010, United States; and Missouri Agr. Exp. Sta.. **remarks:** CAD Birdsfoot Trefoil Germplasm. Received June 18, 1993.

origin: United States. **developed:** P.R. Beuselinck, J.J. Steiner. **origin institute:** Agricultural Research Service -- USDA, Plant Genetics Research Unit, Univ. of Missouri, Dept. of Agronomy, Columbia, Missouri 65211 United States. **cultivar:** CAD. **pedigree:** C1 bulk of 100 selected genotypes from MU-81 germplasm. C2 was bulk of 58 selected genotypes from C1. CAD germplasm is bulk of open-pollinated C2 plants. **other id:** GP-123. **source:** Crop Sci. 34(2):543 1994. **group:** CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:** Drought-resistant population developed from the broad based, and genetically diverse, MU-81 germplasm. Clones selected also exhibited a low incidence of root- and crown-rot diseases complex. Perennial. Breeding Material. Seed.

PI 570670. *Lotus corniculatus* L. FABACEAE Broadleaf birdsfoot trefoil

Donated by: Beuselinck, P.R., Agricultural Research Service -- USDA, Pl. Genetic Res. Unit, Univ. of Missouri, Columbia, Missouri 65010, United States; and Missouri Agr. Exp. Sta.. **remarks:** Dawn Birdsfoot Trefoil. Received June 18, 1993.

origin: United States. **developed:** P.R. Beuselinck.
origin institute: Agricultural Research Service -- USDA,
Plant Genetics Research Unit, Univ. of Missouri, Dept. of
Agronomy, Columbia, Missouri 65211 United States.
cultivar: DAWN. **pedigree:** Syn 1 was bulk of equal
amounts of seed from intercrossing each of 4 parental
clones. Syn 2 was bulk from 1000 Syn 1 plants grown in
isolation at Columbia, MO. Syn 3 seed constitutes Dawn.
other id: CV-110. **source:** Crop Sci. 34(2):540 1994.
group: CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:**
Similar to Empire. Semierect, late-maturing with small
leaves and fine stems, slightly more erect, and contains
a larger number of early-maturing plants than Empire.
Distinguishable from Empire mainly in its greater
longevity and greater resistance to root- & crown-rot in
the Southern Corn Belt. The expression of these
differences may be influenced by the environment (e.g.
cutting treatment, soil factors, and seasonal factors).
Similar to Empire in seed production characteristics,
being later to flower than Norcen, Viking, and Fergus.
Perennial. Cultivar. Seed.

PI 570671 to 570678. *Lotus corniculatus* L. FABACEAE Broadleaf
birdsfoot trefoil

Donated by: McGraw, R.L., Missouri Agr. Exp. Sta., Univ. of
Missouri, Dept. of Agronomy, Columbia, Missouri 65211, United
States; and Agricultural Research Service -- USDA. **remarks:** HU2,
LU2, HP2, LP2, HL2, LL2, HW2, and LW2 Birdsfoot Trefoil Germplasm.
Received June 18, 1993.

PI 570671 **origin:** United States. **developed:** R.L. McGraw, P.R.
Beuselinck. **origin institute:** Missouri Agr. Exp. Sta.,
University of Missouri, Dept. of Agronomy, Columbia,
Missouri 65211 United States. **cultivar:** HL2.
pedigree: C1 was bulk of equal amounts of seed of 100
selected genotypes from NC-83 germplasm. HL2 is bulk of
100 selected genotypes from C1. **other id:** GP-115.
source: Crop Sci. 34(2):543 1994. **group:** CSR-OTHER
LEGUMES. **restricted:** CSR. **remarks:** Developed from NC-83
germplasm for high pod length at Rosemount, MN, using two
cycles of recurrent selection in 1000 plant nurseries
managed for seed population. Perennial. Breeding
Material. Seed.

- PI 570672 **origin:** United States. **developed:** R.L. McGraw, P.R. Beuselinck. **origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Dept. of Agronomy, Columbia, Missouri 65211 United States. **cultivar:** LL2. **pedigree:** C1 was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. LL2 is bulk of 100 selected genotypes from C1. **other id:** GP-116. **source:** Crop Sci. 34(2):543 1994. **group:** CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:** Developed from NC-83 germplasm for low pod length at Rosemount, MN, using two cycles of recurrent selection in 1000 plant nurseries managed for seed population. Perennial. Breeding Material. Seed.
- PI 570673 **origin:** United States. **developed:** R.L. McGraw, P.R. Beuselinck. **origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Dept. of Agronomy, Columbia, Missouri 65211 United States. **cultivar:** LP2. **pedigree:** C1 was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. LP2 is bulk of 100 selected genotypes from C1. **other id:** GP-117. **source:** Crop Sci. 34(2):543 1994. **group:** CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:** Developed from NC-83 germplasm for low number of pods per plant at Rosemount, MN, using two cycles of recurrent selection in 1000 plant nurseries managed for seed production. Perennial. Breeding Material. Seed.
- PI 570674 **origin:** United States. **developed:** R.L. McGraw, P.R. Beuselinck. **origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Dept. of Missouri, Columbia, Missouri 65211 United States. **cultivar:** HP2. **pedigree:** C1 was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. HP2 is bulk of 100 selected genotypes from C1. **other id:** GP-118. **source:** Crop Sci. 34(2):543 1994. **group:** CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:** Developed from NC-83 germplasm for high number of pods per plant at Rosemount, MN, using two cycles of recurrent selection in 1000 plant nurseries managed for seed production. Perennial. Breeding Material. Seed.

- PI 570675 **origin:** United States. **developed:** R.L. McGraw, P.R. Beuselinck. **origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Dept. of Agronomy, Columbia, Missouri 65211 United States. **cultivar:** HU2. **pedigree:** C1 was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. HU2 is bulk of 100 selected genotypes from C1. **other id:** GP-119. **source:** Crop Sci. 34(2):543 1994. **group:** CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:** Developed from NC-83 germplasm for high number of umbels per plant at Rosemount, MN, using two cycles of recurrent selection in 1000 plant nurseries managed for seed production. Perennial. Breeding Material. Seed.
- PI 570676 **origin:** United States. **developed:** R.L. McGraw, P.R. Beuselinck. **origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Dept. of Agronomy, Columbia, Missouri 65211 United States. **cultivar:** LU2. **pedigree:** C1 was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. LU2 is bulk of 100 selected genotypes from C1. **other id:** GP-120. **source:** Crop Sci. 34(2):543 1994. **group:** CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:** Developed from NC-83 germplasm for low number of umbels per plant at Rosemount, MN, using two cycles of recurrent selection in 1000 plant nurseries managed for seed production. Perennial. Breeding Material. Seed.
- PI 570677 **origin:** United States. **developed:** R.L. McGraw, P.R. Beuselinck. **origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Dept. of Agronomy, Columbia, Missouri 65211 United States. **cultivar:** HW2. **pedigree:** C1 was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. HW2 is bulk of 100 selected genotypes from C1. **other id:** GP-121. **source:** Crop Sci. 34(2):543 1994. **group:** CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:** Developed from NC-83 germplasm for high pod width at Rosemount, MN, using two cycles of recurrent selection in 1000 plant nurseries managed for seed production. Perennial. Breeding Material. Seed.

PI 570671 to 570678-continued

PI 570678 **origin:** United States. **developed:** R.L. McGraw, P.R. Beuselinck. **origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Dept. of Agronomy, Columbia, Missouri 65211 United States. **cultivar:** LW2. **pedigree:** C1 was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. LW2 is bulk of 100 selected genotypes from C1. **other id:** GP-122. **source:** Crop Sci. 34(2):543 1994. **group:** CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:** Developed from NC-83 germplasm for low pod width at Rosemount, MN, using two cycles of recurrent selection in 1000 plant nurseries managed for seed production. Perennial. Breeding Material. Seed.

PI 570679 to 570680. *Zea mays* L. subsp. *mays* POACEAE Corn

Donated by: Ajala, S.O., Int'l. Cen. of Insect Physiology & Ecol., Crop Pests Research Program, Nairobi, Kenya. **remarks:** ICZ3 and ICZ4 Maize Germplasms. Received June 22, 1993.

PI 570679 **origin:** Kenya. **developed:** S.O. Ajala, K.N. Saxena. **origin institute:** Int'l. Cen. of Insect Physiology & Ecol., Crop Pests Research Program, P.O. Box 30772, Nairobi Kenya. **cultivar:** ICZ3. **pedigree:** Mp704 (USA) crossed to S2 lines from ICZ1-CM, ICZ2-CM (ICIPE/CIMMYT), MMV400 (Zambia), Katumani Comp B, H511, H512 (Kenya), Poza Rica 7832 and MBR 8637 (CIMMYT). **other id:** GP-246. **source:** Crop Sci. 34(1):317 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** White grained early to medium maturing (33 days to silking) genotype. Resistant to leaf feeding and stem tunnelling by larva of *Chilo partellus*. Grain yield about 7 t/ha. Plant height 195cm. Strong tendency towards prolificacy. Husk cover good. Breeding Material. Seed.

PI 570680 **origin:** Kenya. **developed:** S.O. Ajala, K.N. Saxena. **origin institute:** Int'l. Cen. of Insect Physiology & Ecol., Crop Pests Research Program, P.O. Box 30772, Nairobi Kenya. **cultivar:** ICZ4. **pedigree:** Mp704 (USA) crossed to lines from ICZ1-CM, ICZ2-CM (ICIPE/CIMMYT), MMV400 (Zambia), Poza Rica 7832, MBR 8637 (CIMMYT), Katumani Comp B, H511, H512 (Kenya). **other id:** GP-247. **source:** Crop Sci. 34(1):317 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Yellow grained early to medium maturing (58 days to silking) genotype. Resistant to both leaf and stalk feeding by larva of *Chilo partellus*. Grain yield about 6.5 t/ha. Plant height 220cm. Tendency towards prolificacy but the second ears often not well formed. Husk cover good. Breeding Material. Seed.

PI 570681 to 570826. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

- PI 570681 **origin:** Sudan. **origin institute id:** IS 2040. **other id:** SU 2327. **group:** SU. Seed.
- PI 570682 **origin:** Sudan. **origin institute id:** IS 6940. **cultivar:** MALWALL. **other id:** SU 307. **group:** SU. **other id:** 183. Seed.
- PI 570683 **origin:** Sudan. **origin institute id:** IS 6950. **cultivar:** DURAP EL JACK. **other id:** SU 317. **group:** SU. **other id:** 211. Seed.
- PI 570684 **origin:** Sudan. **origin institute id:** IS 3478. **cultivar:** DS 6 FETERITA FAYOUMI. **other id:** SU 156. **group:** SU. **other id:** 434. **locality:** Tozi. Seed.
- PI 570685 **origin:** Sudan. **origin institute id:** IS 6998. **cultivar:** MALWAL RED. **other id:** SU 359. **group:** SU. **other id:** 401. Seed.
- PI 570686 **origin:** Sudan. **origin institute id:** IS 7083. **cultivar:** ADDAR ABU SHAR. **other id:** SU 434. **group:** SU. **other id:** 335. Seed.
- PI 570687 **origin:** Sudan. **origin institute id:** IS 7009. **cultivar:** DURA EL MAK. **other id:** SU 369. **group:** SU. **other id:** 432. Seed.
- PI 570688 **origin:** Sudan. **origin institute id:** IS 3467. **cultivar:** CULUM ABIAD. **other id:** SU 147. **group:** SU. **other id:** 139. **locality:** Tozi. Seed.
- PI 570689 **origin:** Sudan. **origin institute id:** IS 6059. **source history:** India. **cultivar:** KANGAR CHARI BINJALPURA. **other id:** SU 2413. **group:** SU. **locality:** Punjab. Seed.
- PI 570690 **origin:** Sudan. **origin institute id:** IS 949. **cultivar:** IMSACK MARATAK. **other id:** SU 26. **group:** SU. **other id:** FC 4505. Seed.
- PI 570691 **origin:** Sudan. **origin institute id:** IS 3445. **cultivar:** ADHUK WONGWUT. **other id:** SU 127. **group:** SU. **other id:** 593. **locality:** Tozi. Seed.
- PI 570692 **origin:** Sudan. **origin institute id:** IS 2069. **other id:** SU 2356. **group:** SU. Seed.
- PI 570693 **origin:** Sudan. **origin institute id:** IS 6961. **cultivar:** ANKALIB RED. **other id:** SU 327. **group:** SU. **other id:** 251. Seed.

PI 570681 to 570826-continued

- PI 570694 **origin:** Sudan. **origin institute id:** IS 7057. **cultivar:** YASSA YABWA. **other id:** SU 410. **group:** SU. **Seed.**
- PI 570695 **origin:** Sudan. **origin institute id:** IS 7060. **cultivar:** WAD YABIS. **other id:** SU 413. **group:** SU. **other id:** 159. **Seed.**
- PI 570696 **origin:** Sudan. **origin institute id:** IS 2058. **other id:** SU 2345. **group:** SU. **Seed.**
- PI 570697 **origin:** Sudan. **origin institute id:** IS 2059. **other id:** SU 2346. **group:** SU. **Seed.**
- PI 570698 **origin:** Sudan. **origin institute id:** IS 7084. **cultivar:** EARLY FULGAR. **other id:** SU 435. **group:** SU. **other id:** 469. **Seed.**
- PI 570699 **origin:** Sudan. **origin institute id:** IS 3551. **cultivar:** SHEDADIA. **other id:** SU 217. **group:** SU. **other id:** 118. **locality:** Tozi. **Seed.**
- PI 570700 **origin:** Sudan. **origin institute id:** IS 936. **cultivar:** ELROBIE. **other id:** SU 14. **group:** SU. **other id:** FC 4649. **Seed.**
- PI 570701 **origin:** Sudan. **origin institute id:** IS 6898. **cultivar:** DS 18. **other id:** SU 272. **group:** SU. **other id:** 18. **Seed.**
- PI 570702 **origin:** Sudan. **origin institute id:** IS 3548. **cultivar:** ROBAIH. **other id:** SU 214. **group:** SU. **other id:** 565. **locality:** Tozi. **Seed.**
- PI 570703 **origin:** Sudan. **origin institute id:** IS 6897. **cultivar:** SBI 125. **other id:** SU 271. **group:** SU. **other id:** 16. **Seed.**
- PI 570704 **origin:** Sudan. **origin institute id:** IS 948. **cultivar:** MAGA AGAASH. **other id:** SU 25. **group:** SU. **other id:** FC 4501. **Seed.**
- PI 570705 **origin:** Sudan. **origin institute id:** IS 3515. **cultivar:** KEMURIT WHITE. **other id:** SU 188. **group:** SU. **other id:** 558. **locality:** Tozi. **Seed.**
- PI 570706 **origin:** Sudan. **origin institute id:** IS 3529. **cultivar:** MAWIN DHOK. **other id:** SU 199. **group:** SU. **other id:** 555. **locality:** Tozi. **Seed.**
- PI 570707 **origin:** Sudan. **origin institute id:** IS 3602. **other id:** SU 258. **group:** SU. **other id:** 178. **locality:** Tozi. **Seed.**

PI 570681 to 570826-continued

- PI 570708 **origin:** Sudan. **origin institute id:** IS 6893. **cultivar:** NEMAISI RED 186 E. **other id:** SU 267. **group:** SU. **other id:** 9. **Seed.**
- PI 570709 **origin:** Sudan. **origin institute id:** IS 3590. **cultivar:** DARFURI WATANI. **other id:** SU 250. **group:** SU. **other id:** 2. **locality:** Tozi. **Seed.**
- PI 570710 **origin:** Sudan. **origin institute id:** IS 3079. **cultivar:** FETERITA WAD HUSEIN. **other id:** SU 121. **group:** SU. **Seed.**
- PI 570711 **origin:** Sudan. **origin institute id:** IS 3461. **cultivar:** BARI. **other id:** SU 141. **group:** SU. **other id:** 598. **locality:** Tozi. **Seed.**
- PI 570712 **origin:** Sudan. **origin institute id:** IS 7007. **cultivar:** EL SAFRA. **other id:** SU 367. **group:** SU. **other id:** 428. **Seed.**
- PI 570713 **origin:** Sudan. **origin institute id:** IS 3449. **cultivar:** AMICK. **other id:** SU 130. **group:** SU. **other id:** 279. **locality:** Tozi. **Seed.**
- PI 570714 **origin:** Sudan. **origin institute id:** IS 3463. **cultivar:** BEID ELKEBISH. **other id:** SU 143. **group:** SU. **other id:** 547. **locality:** Tozi. **Seed.**
- PI 570715 **origin:** Sudan. **origin institute id:** IS 6999. **cultivar:** MEIPETH. **other id:** SU 360. **group:** SU. **other id:** 402. **Seed.**
- PI 570716 **origin:** Sudan. **origin institute id:** IS 3521. **cultivar:** LWEL. **other id:** SU 193. **group:** SU. **other id:** 150. **locality:** Tozi. **Seed.**
- PI 570717 **origin:** Sudan. **origin institute id:** IS 3569. **cultivar:** WARAMSARA. **other id:** SU 234. **group:** SU. **other id:** 501. **locality:** Tozi. **Seed.**
- PI 570718 **origin:** Sudan. **origin institute id:** IS 6896. **cultivar:** MERESA. **other id:** SU 270. **group:** SU. **other id:** 15. **Seed.**
- PI 570719 **origin:** Sudan. **origin institute id:** IS 3071. **cultivar:** DOBBS. **other id:** SU 115. **group:** SU. **Seed.**
- PI 570720 **origin:** Sudan. **origin institute id:** IS 3459. **cultivar:** BAHANA 9. **other id:** SU 139. **group:** SU. **other id:** 132. **locality:** Tozi. **Seed.**

PI 570681 to 570826-continued

- PI 570721 origin: Sudan. origin institute id: IS 6903. cultivar: LWEL FADIENG 2. other id: SU 277. group: SU. other id: 65. Seed.
- PI 570722 origin: Sudan. origin institute id: IS 6944. cultivar: ABU DIGAIS. other id: SU 311. group: SU. other id: AD 30. Seed.
- PI 570723 origin: Sudan. origin institute id: IS 7016. cultivar: ADDAR HERISUTE. other id: SU 376. group: SU. other id: 458. Seed.
- PI 570724 origin: Sudan. origin institute id: IS 940. cultivar: GULUM AHMER. other id: SU 18. group: SU. other id: FC 4558. Seed.
- PI 570725 origin: Sudan. origin institute id: IS 2554. other id: SU 2435. group: SU. Seed.
- PI 570726 origin: Sudan. origin institute id: IS 3571. cultivar: YEM. other id: SU 235. group: SU. other id: 521. locality: Tozi. Seed.
- PI 570727 origin: Sudan. origin institute id: IS 3442. cultivar: ABUSARI. other id: SU 125. group: SU. other id: 319. locality: Tozi. Seed.
- PI 570728 origin: Sudan. origin institute id: IS 3499. cultivar: HORIA WHITE. other id: SU 176. group: SU. other id: 621. locality: Tozi. Seed.
- PI 570729 origin: Sudan. origin institute id: IS 3523. cultivar: MAGA AGBHASH. other id: SU 195. group: SU. other id: 197. locality: Tozi. Seed.
- PI 570730 origin: Sudan. origin institute id: IS 3535. cultivar: NAGAD MUR. other id: SU 205. group: SU. other id: 532. locality: Tozi. Seed.
- PI 570731 origin: Sudan. origin institute id: IS 3552. cultivar: SINIDYIL. other id: SU 218. group: SU. other id: 177. locality: Tozi. Seed.
- PI 570732 origin: Sudan. origin institute id: IS 3560. cultivar: TARUK SHADDO. other id: SU 225. group: SU. other id: 143. locality: Tozi. Seed.
- PI 570733 origin: Sudan. origin institute id: IS 930. cultivar: FETERITA FULLI DUEIM. other id: SU 11. group: SU. other id: FC 4612. Seed.

PI 570681 to 570826-continued

- PI 570734 origin: Sudan. origin institute id: IS 3494. cultivar: FETERITA SUKI. other id: SU 171. group: SU. other id: 323. locality: Tozi. Seed.
- PI 570735 origin: Sudan. origin institute id: IS 3505. cultivar: KARINSKA. other id: SU 180. group: SU. other id: 374. locality: Tozi. Seed.
- PI 570736 origin: Sudan. origin institute id: IS 3077. cultivar: FETERITA 1931. other id: SU 120. group: SU. Seed.
- PI 570737 origin: Sudan. origin institute id: IS 3457. cultivar: BAHANA 5. other id: SU 137. group: SU. other id: 148. locality: Tozi. Seed.
- PI 570738 origin: Sudan. origin institute id: IS 3522. cultivar: LWEL FADIANG. other id: SU 194. group: SU. other id: 198. locality: Tozi. Seed.
- PI 570739 origin: Sudan. origin institute id: IS 3555. cultivar: TARANO. other id: SU 220. group: SU. other id: 505. locality: Tozi. Seed.
- PI 570740 origin: Sudan. origin institute id: IS 6907. cultivar: BASSA. other id: SU 280. group: SU. other id: 87. Seed.
- PI 570741 origin: Sudan. origin institute id: IS 6908. cultivar: BAHANA 2. other id: SU 281. group: SU. other id: 96. Seed.
- PI 570742 origin: Sudan. origin institute id: IS 3458. cultivar: BAHANA 6. other id: SU 138. group: SU. other id: 134. locality: Tozi. Seed.
- PI 570743 origin: Sudan. origin institute id: IS 6909. cultivar: BAHANA 4. other id: SU 282. group: SU. other id: 101. Seed.
- PI 570744 origin: Sudan. origin institute id: IS 3456. cultivar: BAHANA. other id: SU 136. group: SU. other id: 122. locality: Tozi. Seed.
- PI 570745 origin: Sudan. origin institute id: IS 6912. cultivar: NGIN KILI. other id: SU 284. group: SU. other id: 112. Seed.
- PI 570746 origin: Sudan. origin institute id: IS 6916. cultivar: CHALLA SODA. other id: SU 287. group: SU. other id: 134. Seed.

PI 570681 to 570826-continued

- PI 570747 origin: Sudan. origin institute id: IS 3556. cultivar: THOK BROWN. other id: SU 221. group: SU. other id: 634. locality: Tozi. Seed.
- PI 570748 origin: Sudan. origin institute id: IS 3534. cultivar: MUGBASH WHITE. other id: SU 204. group: SU. other id: 368. locality: Tozi. Seed.
- PI 570749 origin: Sudan. origin institute id: IS 6930. cultivar: BAZAI 2. other id: SU 298. group: SU. other id: 165. Seed.
- PI 570750 origin: Sudan. origin institute id: IS 6948. cultivar: BEIN. other id: SU 315. group: SU. other id: 205. Seed.
- PI 570751 origin: Sudan. origin institute id: IS 3509. cultivar: KIRENIGA. other id: SU 183. group: SU. Seed.
- PI 570752 origin: Sudan. origin institute id: IS 6960. cultivar: NAGAD WHITE. other id: SU 326. group: SU. other id: 249. Seed.
- PI 570753 origin: Sudan. origin institute id: IS 6962. cultivar: ANI-EL-GAONG. other id: SU 328. group: SU. other id: 252. Seed.
- PI 570754 origin: Sudan. origin institute id: IS 6965. cultivar: SHIDAKHIA. other id: SU 330. group: SU. other id: 258. Seed.
- PI 570755 origin: Sudan. origin institute id: IS 3448. cultivar: ALUET. other id: SU 129. group: SU. other id: 111. locality: Tozi. Seed.
- PI 570756 origin: Sudan. origin institute id: IS 7013. cultivar: BORI LIGHT BROWN. other id: SU 373. group: SU. other id: 450. Seed.
- PI 570757 origin: Sudan. origin institute id: IS 7056. cultivar: KARUNDE RED. other id: SU 409. group: SU. Seed.
- PI 570758 origin: Sudan. origin institute id: IS 3070. cultivar: HEMAISI. other id: SU 114. group: SU. Seed.
- PI 570759 origin: Sudan. origin institute id: IS 7073. cultivar: SBI 100. other id: SU 424. group: SU. other id: 405. Seed.
- PI 570760 origin: Sudan. origin institute id: IS 7076. cultivar: MAKOI. other id: SU 427. group: SU. other id: 461. Seed.

PI 570681 to 570826-continued

- PI 570761 origin: Sudan. origin institute id: IS 7080. cultivar: UT 69. other id: SU 431. group: SU. other id: 166. Seed.
- PI 570762 origin: Sudan. origin institute id: IS 7082. cultivar: FETERITA MARATUK. other id: SU 433. group: SU. other id: 298. Seed.
- PI 570763 origin: Sudan. origin institute id: IS 3545. cultivar: QUERY 8. other id: SU 212. group: SU. other id: 518. locality: Tozi. Seed.
- PI 570764 origin: Sudan. origin institute id: IS 3462. cultivar: BARKING. other id: SU 142. group: SU. other id: 119. locality: Tozi. Seed.
- PI 570765 origin: Sudan. origin institute id: IS 3474. cultivar: DINDRAWI. other id: SU 153. group: SU. other id: 239. locality: Tozi. Seed.
- PI 570766 origin: Sudan. origin institute id: IS 3487. cultivar: FETERITA FULLI. other id: SU 164. group: SU. other id: 431. locality: Tozi. Seed.
- PI 570767 origin: Sudan. origin institute id: IS 3491. cultivar: FETERITA SHANDI. other id: SU 168. group: SU. other id: 424. locality: Tozi. Seed.
- PI 570768 origin: Sudan. origin institute id: IS 3472. cultivar: DARFOURI BROWN. other id: SU 151. group: SU. other id: 350. locality: Tozi. Seed.
- PI 570769 origin: Sudan. origin institute id: IS 3470. cultivar: CULUM BROWN. other id: SU 149. group: SU. other id: 538. locality: Tozi. Seed.
- PI 570770 origin: Sudan. origin institute id: IS 3565. cultivar: WAD BESHIR. other id: SU 230. group: SU. other id: 365. locality: Tozi. Seed.
- PI 570771 origin: Sudan. origin institute id: IS 3559. cultivar: TARUK SHADDO. other id: SU 224. group: SU. other id: 138. locality: Tozi. Seed.
- PI 570772 origin: Sudan. origin institute id: IS 2036. other id: SU 2323. group: SU. Seed.
- PI 570773 origin: Sudan. origin institute id: IS 2558. other id: SU 2439. group: SU. Seed.

PI 570681 to 570826-continued

- PI 570774 origin: Sudan. origin institute id: IS 3507. cultivar: HEK.. other id: SU 181. group: SU. other id: 384. locality: Tozi. Seed.
- PI 570775 origin: Sudan. origin institute id: IS 3524. cultivar: MALUK. other id: SU 196. group: SU. other id: 145. locality: Tozi. Seed.
- PI 570776 origin: Sudan. origin institute id: IS 3538. cultivar: NYAN BAU. other id: SU 207. group: SU. other id: 504. locality: Tozi. Seed.
- PI 570777 origin: Sudan. origin institute id: IS 3547. cultivar: RAPBOL. other id: SU 213. group: SU. other id: 570. locality: Tozi. Seed.
- PI 570778 origin: Sudan. origin institute id: IS 3561. cultivar: UM EL. TEIMAN. other id: SU 226. group: SU. other id: 533. locality: Tozi. Seed.
- PI 570779 origin: Sudan. origin institute id: IS 3573. cultivar: ZERA ZERA. other id: SU 237. group: SU. other id: 213. locality: Tozi. Seed.
- PI 570780 origin: Sudan. origin institute id: IS 3495. cultivar: GASSABI. other id: SU 172. group: SU. other id: 380. locality: Tozi. Seed.
- PI 570781 origin: Sudan. origin institute id: IS 6911. cultivar: GBANGI UNIGWA. other id: SU 283. group: SU. other id: 111. Seed.
- PI 570782 origin: Sudan. origin institute id: IS 3517. cultivar: KULMUTA. other id: SU 190. group: SU. other id: 600. locality: Tozi. Seed.
- PI 570783 origin: Sudan. origin institute id: IS 6915. cultivar: ADOL. other id: SU 286. group: SU. other id: 129. Seed.
- PI 570784 origin: Sudan. origin institute id: IS 3568. cultivar: WAD YABIS. other id: SU 233. group: SU. other id: 293. locality: Tozi. Seed.
- PI 570785 origin: Sudan. origin institute id: IS 6932. cultivar: WAD AKR RED. other id: SU 299. group: SU. other id: 168. Seed.
- PI 570786 origin: Sudan. origin institute id: IS 6938. cultivar: DINDERAWI 6. other id: SU 305. group: SU. other id: 177. Seed.

PI 570681 to 570826-continued

- PI 570787 origin: Sudan. origin institute id: IS 3441. cultivar: ABU KUDUR. other id: SU 124. group: SU. other id: 358. locality: Tozi. Seed.
- PI 570788 origin: Sudan. origin institute id: IS 6942. cultivar: NAGAD BLUS. other id: SU 309. group: SU. other id: 186. Seed.
- PI 570789 origin: Sudan. origin institute id: IS 6954. cultivar: WAD ARI 12. other id: SU 320. group: SU. other id: 234. Seed.
- PI 570790 origin: Sudan. origin institute id: IS 3557. cultivar: THOK GRAY. other id: SU 222. group: SU. other id: 272. locality: Tozi. Seed.
- PI 570791 origin: Sudan. origin institute id: IS 6977. cultivar: FETERITA SHENDI I. other id: SU 340. group: SU. other id: 289. Seed.
- PI 570792 origin: Sudan. origin institute id: IS 6979. cultivar: FETERITA DWARF 6603. other id: SU 342. group: SU. other id: 295. Seed.
- PI 570793 origin: Sudan. origin institute id: IS 6980. cultivar: FETERITA GEZIRA. other id: SU 343. group: SU. other id: 297. Seed.
- PI 570794 origin: Sudan. origin institute id: IS 6985. cultivar: DS 5. other id: SU 348. group: SU. other id: 314. Seed.
- PI 570795 origin: Sudan. origin institute id: IS 6986. cultivar: DS 13. other id: SU 349. group: SU. other id: 317. Seed.
- PI 570796 origin: Sudan. origin institute id: IS 6989. cultivar: AJOK SWEET. other id: SU 351. group: SU. other id: 332. Seed.
- PI 570797 origin: Sudan. origin institute id: IS 3455. cultivar: AYOL. other id: SU 135. group: SU. other id: 114. locality: Tozi. Seed.
- PI 570798 origin: Sudan. origin institute id: IS 3525. cultivar: MELWAL ADAIRJOOK. other id: SU 197. group: SU. other id: 523. locality: Tozi. Seed.
- PI 570799 origin: Sudan. origin institute id: IS 6992. cultivar: TODO. other id: SU 354. group: SU. other id: 362. Seed.

PI 570681 to 570826-continued

- PI 570800 origin: Sudan. origin institute id: IS 3482. cultivar: EARLY BIRGHALLI AMBER. other id: SU 160. group: SU. other id: 140. locality: Tozi. Seed.
- PI 570801 origin: Sudan. origin institute id: IS 7001. cultivar: BOING RED. other id: SU 362. group: SU. other id: 406. Seed.
- PI 570802 origin: Sudan. origin institute id: IS 3485. cultivar: FANDA. other id: SU 162. group: SU. other id: 128. locality: Tozi. Seed.
- PI 570803 origin: Sudan. origin institute id: IS 7022. cultivar: FARHODA. other id: SU 380. group: SU. other id: 479. Seed.
- PI 570804 origin: Sudan. origin institute id: IS 7023. cultivar: WAD FAHAL. other id: SU 381. group: SU. other id: 480. Seed.
- PI 570805 origin: Sudan. origin institute id: IS 7029. cultivar: FETERITA MAATUK. other id: SU 386. group: SU. other id: 4864865/30/58/10. Seed.
- PI 570806 origin: Sudan. origin institute id: IS 7032. cultivar: FETERITA WADUMM BENEIN. other id: SU 389. group: SU. other id: 50089/9/7. Seed.
- PI 570807 origin: Sudan. origin institute id: IS 7035. cultivar: FETERITA WADUUM BENEIN. other id: SU 391. group: SU. other id: 51023/12/13. Seed.
- PI 570808 origin: Sudan. origin institute id: IS 7037. other id: SU 393. group: SU. other id: 51525/7. Seed.
- PI 570809 origin: Sudan. origin institute id: IS 7038. other id: SU 394. group: SU. other id: 51763/6. Seed.
- PI 570810 origin: Sudan. origin institute id: IS 7040. cultivar: WAD YABIS. other id: SU 396. group: SU. other id: 519. Seed.
- PI 570811 origin: Sudan. origin institute id: IS 7041. cultivar: WAD AKR 3. other id: SU 397. group: SU. other id: 520. Seed.
- PI 570812 origin: Sudan. origin institute id: IS 7043. cultivar: FETERITA. other id: SU 399. group: SU. other id: PB 8. Seed.

PI 570681 to 570826-continued

- PI 570813 origin: Sudan. origin institute id: IS 7044. cultivar: DWARF SHALLU. other id: SU 400. group: SU. other id: PB 9. Seed.
- PI 570814 origin: Sudan. origin institute id: IS 7047. cultivar: MUBGASH. other id: SU 402. group: SU. other id: OTB 6. Seed.
- PI 570815 origin: Sudan. origin institute id: IS 7050. cultivar: WAD AKR. other id: SU 404. group: SU. other id: OTB 21. Seed.
- PI 570816 origin: Sudan. origin institute id: IS 7051. cultivar: MUGBASH. other id: SU 405. group: SU. other id: OTLR 1/9. Seed.
- PI 570817 origin: Sudan. origin institute id: IS 7052. cultivar: BAHANA. other id: SU 406. group: SU. other id: OTLR 143. Seed.
- PI 570818 origin: Sudan. origin institute id: IS 7059. cultivar: FETERITA NIDIARA. other id: SU 412. group: SU. other id: 287. Seed.
- PI 570819 origin: Sudan. origin institute id: IS 7061. cultivar: TUMUK SHADDO. other id: SU 414. group: SU. other id: 366. Seed.
- PI 570820 origin: Sudan. origin institute id: IS 3481. cultivar: DWARF GASSABI. other id: SU 159. group: SU. other id: 455. locality: Tozi. Seed.
- PI 570821 origin: Sudan. origin institute id: IS 7067. cultivar: ZERA ZERA 3. other id: SU 418. group: SU. Seed.
- PI 570822 origin: Sudan. origin institute id: IS 7068. cultivar: UMM DAYUD. other id: SU 419. group: SU. other id: 273. Seed.
- PI 570823 origin: Sudan. origin institute id: IS 7071. cultivar: BAHANA. other id: SU 422. group: SU. other id: 98. Seed.
- PI 570824 origin: Sudan. origin institute id: IS 7075. cultivar: CHALLA SULA. other id: SU 426. group: SU. other id: 134. Seed.
- PI 570825 origin: Sudan. origin institute id: IS 7078. cultivar: SBI 22. other id: SU 429. group: SU. other id: 91. Seed.

PI 570681 to 570826-continued

PI 570826 **origin:** Sudan. **origin institute id:** IS 7081. **cultivar:** LIPUSA. **other id:** SU 432. **group:** SU. **other id:** 397. Seed.

PI 570827 to 570895. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

PI 570827 **origin:** Sudan. **origin institute id:** IS 7000. **cultivar:** RABOU. **other id:** SU 361. **group:** SU. **other id:** 403. Seed.

PI 570828 **origin:** Sudan. **origin institute id:** IS 3069. **cultivar:** DWARF WHITE MILO. **other id:** SU 113. **group:** SU. Seed.

PI 570829 **origin:** Sudan. **origin institute id:** IS 3074. **cultivar:** ABU SABIN. **other id:** SU 118. **group:** SU. Seed.

PI 570830 **origin:** Sudan. **origin institute id:** IS 3076. **cultivar:** AKLMOI WHITE. **other id:** SU 119. **group:** SU. Seed.

PI 570831 **origin:** Sudan. **origin institute id:** IS 3469. **cultivar:** CULUM ASWAD. **other id:** SU 148. **group:** SU. **other id:** 647. **locality:** Tozi. Seed.

PI 570832 **origin:** Sudan. **origin institute id:** IS 3471. **cultivar:** CULUM LOOMAN. **other id:** SU 150. **group:** SU. **other id:** 141. **locality:** Tozi. Seed.

PI 570833 **origin:** Sudan. **origin institute id:** IS 3476. **cultivar:** DS 2 FETERITA FAYOUMI. **other id:** SU 155. **group:** SU. **other id:** 426. **locality:** Tozi. Seed.

PI 570834 **origin:** Sudan. **origin institute id:** IS 3479. **cultivar:** DS 7 FETERITA FAYOUMI. **other id:** SU 157. **group:** SU. **other id:** 433. **locality:** Tozi. Seed.

PI 570835 **origin:** Sudan. **origin institute id:** IS 3483. **cultivar:** ELA FADNI. **other id:** SU 161. **group:** SU. **other id:** 359. **locality:** Tozi. Seed.

PI 570836 **origin:** Sudan. **origin institute id:** IS 3488. **cultivar:** FETERITA GANDAL. **other id:** SU 165. **group:** SU. **other id:** 437. **locality:** Tozi. Seed.

PI 570837 **origin:** Sudan. **origin institute id:** IS 3490. **cultivar:** FETERITA MANAGIL. **other id:** SU 167. **group:** SU. **other id:** 429. **locality:** Tozi. Seed.

PI 570827 to 570895-continued

- PI 570838 **origin:** Sudan. **origin institute id:** IS 3492. **cultivar:** FETERITA SHANDI. **other id:** SU 169. **group:** SU. **other id:** 423. **locality:** Tozi. Seed.
- PI 570839 **origin:** Sudan. **origin institute id:** IS 3498. **cultivar:** HEGEIRI. **other id:** SU 175. **group:** SU. **other id:** 631. **locality:** Tozi. Seed.
- PI 570840 **origin:** Sudan. **origin institute id:** IS 3510. **cultivar:** KOBIA. **other id:** SU 184. **group:** SU. **other id:** 645. **locality:** Tozi. Seed.
- PI 570841 **origin:** Sudan. **origin institute id:** IS 3512. **cultivar:** KLOR. **other id:** SU 186. **group:** SU. **other id:** 644. **locality:** Tozi. Seed.
- PI 570842 **origin:** Sudan. **origin institute id:** IS 3531. **cultivar:** MENDO. **other id:** SU 201. **group:** SU. **other id:** 315. **locality:** Tozi. Seed.
- PI 570843 **origin:** Sudan. **origin institute id:** IS 3532. **cultivar:** MERISSEE KUKU. **other id:** SU 202. **group:** SU. **other id:** 519. **locality:** Tozi. Seed.
- PI 570844 **origin:** Sudan. **origin institute id:** IS 3533. **cultivar:** MORIJANG. **other id:** SU 203. **group:** SU. **other id:** 173. **other id:** SC 1255. **locality:** Tozi. Seed.
- PI 570845 **origin:** Sudan. **origin institute id:** IS 3539. **cultivar:** NYAN BDOK. **other id:** SU 208. **group:** SU. **other id:** 271. **locality:** Tozi. Seed.
- PI 570846 **origin:** Sudan. **origin institute id:** IS 3549. **cultivar:** SAFRA. **other id:** SU 215. **group:** SU. **other id:** 544. **locality:** Tozi. Seed.
- PI 570847 **origin:** Sudan. **origin institute id:** IS 3554. **cultivar:** TAHAS 85. **other id:** SU 219. **group:** SU. **other id:** 289. **locality:** Tozi. Seed.
- PI 570848 **origin:** Sudan. **origin institute id:** IS 3558. **cultivar:** TOTO. **other id:** SU 223. **group:** SU. **other id:** 130. **locality:** Tozi. Seed.
- PI 570849 **origin:** Sudan. **origin institute id:** IS 3563. **cultivar:** WAD AKR. **other id:** SU 228. **group:** SU. **other id:** 327. **locality:** Tozi. Seed.
- PI 570850 **origin:** Sudan. **origin institute id:** IS 3575. **cultivar:** SHABET. **other id:** SU 239. **group:** SU. **other id:** 24. **locality:** Tozi. Seed.

PI 570827 to 570895-continued

- PI 570851 origin: Sudan. origin institute id: IS 3578. cultivar: SAFRA. other id: SU 241. group: SU. other id: 47. locality: Tozi. Seed.
- PI 570852 origin: Sudan. origin institute id: IS 3581. cultivar: WAD FUR. other id: SU 243. group: SU. other id: 32. locality: Tozi. Seed.
- PI 570853 origin: Sudan. origin institute id: IS 3584. cultivar: ACCA KODRI. other id: SU 246. group: SU. other id: 30. locality: Tozi. Seed.
- PI 570854 origin: Sudan. origin institute id: IS 3586. cultivar: BARBARI ORANGE. other id: SU 247. group: SU. other id: 27. locality: Tozi. Seed.
- PI 570855 origin: Sudan. origin institute id: IS 3587. cultivar: CULUM. other id: SU 248. group: SU. other id: 23. locality: Tozi. Seed.
- PI 570856 origin: Sudan. origin institute id: IS 3595. cultivar: HAMAI SI. other id: SU 253. group: SU. other id: 34. locality: Tozi. Seed.
- PI 570857 origin: Sudan. origin institute id: IS 3596. cultivar: HAMAI SI SHERHER. other id: SU 254. group: SU. other id: 35. locality: Tozi. Seed.
- PI 570858 origin: Sudan. origin institute id: IS 3598. cultivar: HAMAI SI. other id: SU 256. group: SU. other id: 38. locality: Tozi. Seed.
- PI 570859 origin: Sudan. origin institute id: IS 3603. other id: SU 259. group: SU. other id: 206. locality: Tozi. Seed.
- PI 570860 origin: Sudan. origin institute id: IS 3604. other id: SU 260. group: SU. other id: 529. locality: Tozi. Seed.
- PI 570861 origin: Sudan. origin institute id: IS 3605. other id: SU 261. group: SU. other id: 579. locality: Tozi. Seed.
- PI 570862 origin: Sudan. origin institute id: IS 3744. cultivar: LUAL. other id: SU 262. group: SU. other id: 162. locality: Tozi. Seed.
- PI 570863 origin: Sudan. origin institute id: IS 4012. source history: India. cultivar: REVASON. other id: SU 2401. group: SU. locality: Rohtak. Seed.

PI 570827 to 570895-continued

- PI 570864 origin: Sudan. origin institute id: IS 4018. source history: India. cultivar: CHAONDERA. other id: SU 2416. group: SU. locality: Jaipur. Seed.
- PI 570865 origin: Sudan. origin institute id: IS 4020. source history: India. cultivar: WHITE CHAONDERA. other id: SU 2417. group: SU. locality: Jaipur. Seed.
- PI 570866 origin: Sudan. origin institute id: IS 4034. source history: India. cultivar: PALU. other id: SU 2419. group: SU. locality: Jaipur. Seed.
- PI 570867 origin: Sudan. origin institute id: IS 4036. source history: India. cultivar: KHARBAS. other id: SU 2421. group: SU. locality: Alwar. Seed.
- PI 570868 origin: Sudan. origin institute id: IS 4050. cultivar: WHITE DHANDAULI. other id: SU 2423. group: SU. locality: Bharatpur. Seed.
- PI 570869 origin: Sudan. origin institute id: IS 4077. source history: India. cultivar: KHANDI. other id: SU 2407. group: SU. locality: Sawai. Seed.
- PI 570870 origin: Sudan. origin institute id: IS 4078. source history: India. cultivar: SURWAL. other id: SU 2408. group: SU. locality: Sawai. Seed.
- PI 570871 origin: Sudan. origin institute id: IS 4079. source history: India. cultivar: SURWAL. other id: SU 2405. group: SU. locality: Sawai. Seed.
- PI 570872 origin: Sudan. origin institute id: IS 4089. source history: India. cultivar: KHADLIPURI. other id: SU 2404. group: SU. locality: Sawai. Seed.
- PI 570873 origin: Sudan. origin institute id: IS 4133. source history: India. cultivar: DINDOLI. other id: SU 2388. group: SU. locality: Chittoragarh. Seed.
- PI 570874 origin: Sudan. origin institute id: IS 4136. source history: India. cultivar: ALMIKHAM. other id: SU 2391. group: SU. locality: Dhilwara. Seed.
- PI 570875 origin: Sudan. origin institute id: IS 4137. source history: India. cultivar: TARWARIA. other id: SU 2392. group: SU. locality: Dhilwara. Seed.
- PI 570876 origin: Sudan. origin institute id: IS 6904. cultivar: CADAM EL HAMAN. other id: SU 278. group: SU. other id: 68. Seed.

PI 570827 to 570895-continued

- PI 570877 **origin:** Sudan. **origin institute id:** IS 6936. **cultivar:** WAD AKR 9. **other id:** SU 303. **group:** SU. **other id:** 174. Seed.
- PI 570878 **origin:** Sudan. **origin institute id:** IS 6984. **cultivar:** FETERITA FULLI 3. **other id:** SU 347. **group:** SU. **other id:** 309. Seed.
- PI 570879 **origin:** Sudan. **origin institute id:** IS 6993. **cultivar:** TURUK SHADDO 2. **other id:** SU 355. **group:** SU. **other id:** 367. Seed.
- PI 570880 **origin:** Sudan. **origin institute id:** IS 6994. **cultivar:** SHALSHALI WHITE. **other id:** SU 356. **group:** SU. **other id:** 371. Seed.
- PI 570881 **origin:** Sudan. **origin institute id:** IS 6997. **cultivar:** HEGARI 3. **other id:** SU 358. **group:** SU. **other id:** 399. Seed.
- PI 570882 **origin:** Sudan. **origin institute id:** IS 7002. **cultivar:** MATHIANANG AMYITH. **other id:** SU 363. **group:** SU. **other id:** 363. Seed.
- PI 570883 **origin:** Sudan. **origin institute id:** IS 7004. **cultivar:** TILLING. **other id:** SU 365. **group:** SU. **other id:** 416. Seed.
- PI 570884 **origin:** Sudan. **origin institute id:** IS 7012. **cultivar:** DORI DARK BROWN. **other id:** SU 372. **group:** SU. **other id:** 444. Seed.
- PI 570885 **origin:** Sudan. **origin institute id:** IS 7015. **cultivar:** BLIG SPECKLED. **other id:** SU 375. **group:** SU. **other id:** 454. Seed.
- PI 570886 **origin:** Sudan. **origin institute id:** IS 7028. **cultivar:** FETERITA MAATUK. **other id:** SU 385. **group:** SU. **other id:** 4855/30/54/3. Seed.
- PI 570887 **origin:** Sudan. **origin institute id:** IS 7034. **cultivar:** FETERITA WADUMM BENEIN. **other id:** SU 390. **group:** SU. **other id:** 50823/12/2. Seed.
- PI 570888 **origin:** Sudan. **origin institute id:** IS 7069. **cultivar:** ABUGHEBUSH. **other id:** SU 420. **group:** SU. **other id:** 363. Seed.
- PI 570889 **origin:** Sudan. **origin institute id:** IS 7074. **cultivar:** ADDAR VI. **other id:** SU 425. **group:** SU. **other id:** 440. Seed.

PI 570827 to 570895-continued

- PI 570890 **origin:** Sudan. **origin institute id:** IS 8635. **other id:** SU 437. **group:** SU. **other id:** E 88. Seed.
- PI 570891 **origin:** Sudan. **origin institute id:** IS 9209. **other id:** SU 449. **group:** SU. **other id:** E 1136. Seed.
- PI 570892 **origin:** Sudan. **origin institute id:** IS 9210. **other id:** SU 450. **group:** SU. **other id:** E 1137. Seed.
- PI 570893 **origin:** Sudan. **origin institute id:** IS 9228. **cultivar:** TOGI 81. **other id:** SU 452. **group:** SU. **other id:** E 1155. Seed.
- PI 570894 **origin:** Sudan. **origin institute id:** IS 9229. **cultivar:** TOGI 126. **other id:** SU 453. **group:** SU. **other id:** E 1156. Seed.
- PI 570895 **origin:** Sudan. **origin institute id:** IS 3496. **cultivar:** GASSABI KHAFIF. **other id:** SU 173. **group:** SU. **other id:** 642. **locality:** Tozi. Seed.

PI 570896 to 570915. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

- PI 570896 **origin:** Sudan. **origin institute id:** IS 3465. **cultivar:** CALL. **other id:** SU 145. **group:** SU. **other id:** 232. **locality:** Tozi. Seed.
- PI 570897 **origin:** Sudan. **origin institute id:** IS 6920. **cultivar:** ZERA ZERA 4. **other id:** SU 290. **group:** SU. **other id:** 142. Seed.
- PI 570898 **origin:** Sudan. **origin institute id:** IS 3480. **cultivar:** DS 16. **other id:** SU 158. **group:** SU. **other id:** 324. **locality:** Tozi. Seed.
- PI 570899 **origin:** Sudan. **origin institute id:** IS 3493. **cultivar:** FETERITA SHANDI. **other id:** SU 170. **group:** SU. **other id:** 425. **locality:** Tozi. Seed.
- PI 570900 **origin:** Sudan. **origin institute id:** IS 3513. **cultivar:** KODODEK. **other id:** SU 187. **group:** SU. **other id:** 645. **locality:** Tozi. Seed.
- PI 570901 **origin:** Sudan. **origin institute id:** IS 6906. **cultivar:** MAKOL 81. **other id:** SU 279. **group:** SU. Seed.

PI 570896 to 570915-continued

- PI 570902 **origin:** Sudan. **origin institute id:** IS 3508. **cultivar:** KETH. **other id:** SU 182. **group:** SU. **other id:** 131.
 locality: Tozi. Seed.
- PI 570903 **origin:** Sudan. **origin institute id:** IS 6981. **cultivar:** FETERITA ABU DIREGA. **other id:** SU 344. **group:** SU.
 other id: 299. Seed.
- PI 570904 **origin:** Sudan. **origin institute id:** IS 3528. **cultivar:** MATINDI GRAY. **other id:** SU 198. **group:** SU. **other id:** 99. **locality:** Tozi. Seed.
- PI 570905 **origin:** Sudan. **origin institute id:** IS 3530. **cultivar:** MAYO. **other id:** SU 200. **group:** SU. **other id:** 375.
 locality: Tozi. Seed.
- PI 570906 **origin:** Sudan. **origin institute id:** IS 3065. **cultivar:** GASSABI. **other id:** SU 110. **group:** SU. Seed.
- PI 570907 **origin:** Sudan. **origin institute id:** IS 6890. **cultivar:** DARFURI GREY. **other id:** SU 264. **group:** SU. **other id:** 2. Seed.
- PI 570908 **origin:** Sudan. **origin institute id:** IS 3589. **cultivar:** CULUM AGBASH. **other id:** SU 249. **group:** SU. **other id:** 29. **locality:** Tozi. Seed.
- PI 570909 **origin:** Sudan. **origin institute id:** IS 7036. **cultivar:** BAHANA. **other id:** SU 392. **group:** SU. **other id:** 5132/7. Seed.
- PI 570910 **origin:** Sudan. **origin institute id:** IS 7058. **cultivar:** FETERITA DWARF. **other id:** SU 411. **group:** SU. **other id:** 311. Seed.
- PI 570911 **origin:** Sudan. **origin institute id:** IS 6941. **cultivar:** KORGI. **other id:** SU 308. **group:** SU. **other id:** 185. Seed.
- PI 570912 **origin:** Sudan. **origin institute id:** IS 6964. **cultivar:** TIRTER. **other id:** SU 329. **group:** SU. **other id:** 255. Seed.
- PI 570913 **origin:** Sudan. **origin institute id:** IS 2031. **other id:** SU 2317. **group:** SU. Seed.
- PI 570914 **origin:** Sudan. **origin institute id:** IS 7021. **cultivar:** BARKI. **other id:** SU 379. **group:** SU. **other id:** 470. Seed.

PI 570896 to 570915-continued

PI 570915 **origin:** Sudan. **origin institute id:** IS 7008. **cultivar:** CELUM LOGAON. **other id:** SU 368. **group:** SU. **other id:** 431. **Seed.**

PI 570916 to 570919. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

PI 570916 **origin:** Sudan. **origin institute id:** IS 7017. **cultivar:** MAKAI. **other id:** SU 377. **group:** SU. **other id:** 461. **Seed.**

PI 570917 **origin:** Sudan. **origin institute id:** IS 14461. **other id:** SU 858. **group:** SU. **other id:** HD-115. **Seed.**

PI 570918 **origin:** Sudan. **origin institute id:** IS 14462. **other id:** SU 859. **group:** SU. **other id:** HD-116. **Seed.**

PI 570919 **origin:** Sudan. **origin institute id:** IS 14473. **other id:** SU 863. **group:** SU. **other id:** HD-118. **Seed.**

PI 570920 to 571035. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

PI 570920 **origin:** Sudan. **origin institute id:** IS 927. **cultivar:** LUNG BASH. **other id:** SU 8. **group:** SU. **other id:** FC 4744. **Seed.**

PI 570921 **origin:** Sudan. **origin institute id:** IS 937. **cultivar:** HEGIRI SEIFI. **other id:** SU 15. **group:** SU. **other id:** FC 4651. **Seed.**

PI 570922 **origin:** Sudan. **origin institute id:** IS 2017. **other id:** SU 2301. **group:** SU. **Seed.**

PI 570923 **origin:** Sudan. **origin institute id:** IS 2034. **other id:** SU 2321. **group:** SU. **Seed.**

PI 570924 **origin:** Sudan. **origin institute id:** IS 2035. **other id:** SU 2322. **group:** SU. **Seed.**

PI 570925 **origin:** Sudan. **origin institute id:** IS 2038. **other id:** SU 2325. **group:** SU. **Seed.**

PI 570926 **origin:** Sudan. **origin institute id:** IS 3460. **cultivar:** BANGITABA. **other id:** SU 140. **group:** SU. **other id:** 120. **locality:** Tozi. **Seed.**

PI 570920 to 571035-continued

- PI 570927 origin: Sudan. origin institute id: IS 6975. cultivar: FETERITA HALWIN. other id: SU 338. group: SU. other id: 281. Seed.
- PI 570928 origin: Sudan. origin institute id: IS 3464. cultivar: BIRGHALLI AHMAR. other id: SU 144. group: SU. other id: 355. locality: Tozi. Seed.
- PI 570929 origin: Sudan. origin institute id: IS 6990. cultivar: FETERITA ABIAD. other id: SU 352. group: SU. other id: 344. Seed.
- PI 570930 origin: Sudan. origin institute id: IS 3502. cultivar: JANGI. other id: SU 178. group: SU. Seed.
- PI 570931 origin: Sudan. origin institute id: IS 947. cultivar: ROTOK. other id: SU 24. group: SU. other id: FC 4592. Seed.
- PI 570932 origin: Sudan. origin institute id: IS 3444. cultivar: ACOL. other id: SU 126. group: SU. other id: 153. locality: Tozi. Seed.
- PI 570933 origin: Sudan. origin institute id: IS 931. cultivar: SHEL SHELBY WHITE. other id: SU 12. group: SU. other id: FC 4619. Seed.
- PI 570934 origin: Sudan. origin institute id: IS 957. cultivar: MAGA ABIAD. other id: SU 34. group: SU. other id: FC 4546. Seed.
- PI 570935 origin: Sudan. origin institute id: IS 954. cultivar: BEID ELKEBSH. other id: SU 31. group: SU. other id: FC 4526. Seed.
- PI 570936 origin: Sudan. origin institute id: IS 6946. cultivar: KORIARIGA. other id: SU 313. group: SU. other id: 193. Seed.
- PI 570937 origin: Sudan. origin institute id: IS 7072. cultivar: AT 12. other id: SU 423. group: SU. other id: 92. Seed.
- PI 570938 origin: Sudan. origin institute id: IS 3540. cultivar: NYAN JANG. other id: SU 209. group: SU. Seed.
- PI 570939 origin: Sudan. origin institute id: IS 3073. cultivar: WHITE AKAR AHMR. other id: SU 117. group: SU. Seed.
- PI 570940 origin: Sudan. origin institute id: IS 3454. cultivar: AWANLIK. other id: SU 134. group: SU. other id: 522. locality: Tozi. Seed.

PI 570920 to 571035-continued

- PI 570941 origin: Sudan. origin institute id: IS 3537. cultivar: NGAU ARIKIKI. other id: SU 206. group: SU. other id: 98. locality: Tozi. Seed.
- PI 570942 origin: Sudan. origin institute id: IS 951. cultivar: AGEW. other id: SU 28. group: SU. other id: FC 4517. Seed.
- PI 570943 origin: Sudan. origin institute id: IS 3486. cultivar: FETERITA FAYOUMI. other id: SU 163. group: SU. other id: 436. locality: Tozi. Seed.
- PI 570944 origin: Sudan. origin institute id: IS 3067. cultivar: DWARF HEGARI. other id: SU 112. group: SU. Seed.
- PI 570945 origin: Sudan. origin institute id: IS 3511. cultivar: KIRENIGS. other id: SU 185. group: SU. other id: 282. locality: Tozi. Seed.
- PI 570946 origin: Sudan. origin institute id: IS 2032. other id: SU 2318. group: SU. Seed.
- PI 570947 origin: Sudan. origin institute id: IS 2047. other id: SU 2334. group: SU. Seed.
- PI 570948 origin: Sudan. origin institute id: IS 2057. other id: SU 2344. group: SU. Seed.
- PI 570949 origin: Sudan. origin institute id: IS 6892. cultivar: NEMAISI I. other id: SU 266. group: SU. other id: 6. Seed.
- PI 570950 origin: Sudan. origin institute id: IS 6917. cultivar: BARGAWI. other id: SU 288. group: SU. other id: 137. Seed.
- PI 570951 origin: Sudan. origin institute id: IS 6918. cultivar: DENT. other id: SU 289. group: SU. other id: 139. Seed.
- PI 570952 origin: Sudan. origin institute id: IS 6926. cultivar: WAD BASHIR I. other id: SU 296. group: SU. other id: 159. Seed.
- PI 570953 origin: Sudan. origin institute id: IS 6933. cultivar: WAD AKR 4. other id: SU 300. group: SU. other id: 169. Seed.
- PI 570954 origin: Sudan. origin institute id: IS 6949. cultivar: LWALLI WHITE. other id: SU 316. group: SU. other id: 209. Seed.

PI 570920 to 571035-continued

- PI 570955 origin: Sudan. origin institute id: IS 6957. cultivar: WAD UMM BENEIN. other id: SU 323. group: SU. other id: 240. Seed.
- PI 570956 origin: Sudan. origin institute id: IS 6959. cultivar: GHOBASHA. other id: SU 325. group: SU. other id: 245. Seed.
- PI 570957 origin: Sudan. origin institute id: IS 6973. cultivar: FETERITA KADUGLI. other id: SU 336. group: SU. other id: 279. Seed.
- PI 570958 origin: Sudan. origin institute id: IS 6974. cultivar: FETERITA GONDAL 2. other id: SU 337. group: SU. other id: 280. Seed.
- PI 570959 origin: Sudan. origin institute id: IS 3489. cultivar: FETERITA MAATUK. other id: SU 166. group: SU. other id: 428A. locality: Tozi. Seed.
- PI 570960 origin: Sudan. origin institute id: IS 3544. cultivar: QUERY 6. other id: SU 211. group: SU. other id: 624. locality: Tozi. Seed.
- PI 570961 origin: Sudan. origin institute id: IS 7026. cultivar: FETERITA MAATUK. other id: SU 383. group: SU. other id: 4825/30/26/1. Seed.
- PI 570962 origin: Sudan. origin institute id: IS 7027. cultivar: FETERITA MAATUK. other id: SU 384. group: SU. other id: 4835/30/27/3. Seed.
- PI 570963 origin: Sudan. origin institute id: IS 7031. cultivar: FETERITA WADUMM BENEIN. other id: SU 388. group: SU. other id: 499. Seed.
- PI 570964 origin: Sudan. origin institute id: IS 7039. cultivar: WAD YABIS. other id: SU 395. group: SU. other id: 518. Seed.
- PI 570965 origin: Sudan. origin institute id: IS 7042. cultivar: PBI BAHANA. other id: SU 398. group: SU. other id: 521. Seed.
- PI 570966 origin: Sudan. origin institute id: IS 7046. cultivar: AD BASHIR. other id: SU 401. group: SU. other id: OTB 3. Seed.
- PI 570967 origin: Sudan. origin institute id: IS 7049. cultivar: DINDERAWI. other id: SU 403. group: SU. other id: OTB 12. Seed.

PI 570920 to 571035-continued

- PI 570968 origin: Sudan. origin institute id: IS 7054. cultivar: WAD AKR. other id: SU 407. group: SU. other id: OTLR 35. Seed.
- PI 570969 origin: Sudan. origin institute id: IS 7064. cultivar: FETERITA SHENDI 2. other id: SU 416. group: SU. other id: 290. Seed.
- PI 570970 origin: Sudan. origin institute id: IS 7065. cultivar: DENDERAWI 3. other id: SU 417. group: SU. other id: 145. Seed.
- PI 570971 origin: Sudan. origin institute id: IS 3452. cultivar: ATHIL. other id: SU 132. group: SU. other id: 517. locality: Tozi. Seed.
- PI 570972 origin: Sudan. origin institute id: IS 3466. cultivar: CHIKKORI. other id: SU 146. group: SU. other id: 151. locality: Tozi. Seed.
- PI 570973 origin: Sudan. origin institute id: IS 3562. cultivar: WAD AKR. other id: SU 227. group: SU. other id: 386. locality: Tozi. Seed.
- PI 570974 origin: Sudan. origin institute id: IS 6901. cultivar: SBI 37 A. other id: SU 275. group: SU. other id: 62. Seed.
- PI 570975 origin: Sudan. origin institute id: IS 6902. cultivar: LWEL FADIENG. other id: SU 276. group: SU. other id: 64. Seed.
- PI 570976 origin: Sudan. origin institute id: IS 6939. cultivar: LWEL. other id: SU 306. group: SU. other id: 180. Seed.
- PI 570977 origin: Sudan. origin institute id: IS 6943. cultivar: MAGBUGU FJULI. other id: SU 310. group: SU. other id: 188. Seed.
- PI 570978 origin: Sudan. origin institute id: IS 3550. cultivar: SHAM SHAM. other id: SU 216. group: SU. other id: 332. locality: Tozi. Seed.
- PI 570979 origin: Sudan. origin institute id: IS 6969. cultivar: FETERITA HARIG II. other id: SU 334. group: SU. other id: 264. Seed.
- PI 570980 origin: Sudan. origin institute id: IS 6983. cultivar: FETERITA SUKI II. other id: SU 346. group: SU. other id: 305. Seed.

PI 570920 to 571035-continued

- PI 570981 origin: Sudan. origin institute id: IS 3501. cultivar: JANGI. other id: SU 177. group: SU. other id: 97. locality: Tozi. Seed.
- PI 570982 origin: Sudan. origin institute id: IS 7003. cultivar: LEYANA. other id: SU 364. group: SU. other id: 410. Seed.
- PI 570983 origin: Sudan. origin institute id: IS 952. cultivar: NYAN JANG. other id: SU 29. group: SU. other id: FC 4521. Seed.
- PI 570984 origin: Sudan. origin institute id: IS 956. cultivar: TARRANO. other id: SU 33. group: SU. other id: FC 4544. Seed.
- PI 570985 origin: Sudan. origin institute id: IS 3439. cultivar: ABONGBOO. other id: SU 123. group: SU. Seed.
- PI 570986 origin: Sudan. origin institute id: IS 3516. cultivar: KUDDI. other id: SU 189. group: SU. other id: 371. locality: Tozi. Seed.
- PI 570987 origin: Sudan. origin institute id: IS 6921. cultivar: DINDERAWI I. other id: SU 291. group: SU. other id: 143. Seed.
- PI 570988 origin: Sudan. origin institute id: IS 6945. cultivar: UMM SHILI SHILAT. other id: SU 312. group: SU. other id: 192. Seed.
- PI 570989 origin: Sudan. origin institute id: IS 6966. cultivar: ATONGTONG. other id: SU 331. group: SU. other id: 260. Seed.
- PI 570990 origin: Sudan. origin institute id: IS 6967. cultivar: KOIJAJ. other id: SU 332. group: SU. other id: 262. Seed.
- PI 570991 origin: Sudan. origin institute id: IS 6968. cultivar: MONSHAL. other id: SU 333. group: SU. other id: 263. Seed.
- PI 570992 origin: Sudan. origin institute id: IS 3450. cultivar: ANKOLIB. other id: SU 131. group: SU. other id: 403. locality: Tozi. Seed.
- PI 570993 origin: Sudan. origin institute id: IS 7011. cultivar: NAGAD EL MUR. other id: SU 371. group: SU. other id: 437. Seed.

PI 570920 to 571035-continued

- PI 570994 origin: Sudan. origin institute id: IS 3541. cultivar: NYITHIN. other id: SU 210. group: SU. other id: 259. locality: Tozi. Seed.
- PI 570995 origin: Sudan. origin institute id: IS 3574. cultivar: ZERA ZERA. other id: SU 238. group: SU. other id: 181. locality: Tozi. Seed.
- PI 570996 origin: Sudan. cultivar: MERASI. other id: IS 6947. group: IS. other id: SU 314. group: SU. other id: 196. Seed.
- PI 570997 origin: Sudan. origin institute id: IS 6956. cultivar: HEGARI 2. other id: SU 322. group: SU. other id: 239. Seed.
- PI 570998 origin: Sudan. origin institute id: IS 6958. cultivar: HEGARI MALOWAR. other id: SU 324. group: SU. other id: 241. Seed.
- PI 570999 origin: Sudan. origin institute id: IS 3566. cultivar: WAD EEL GEDAREF. other id: SU 231. group: SU. other id: 376A. locality: Tozi. Seed.
- PI 571000 origin: Sudan. origin institute id: IS 6991. cultivar: TARAMA. other id: SU 353. group: SU. other id: 360. Seed.
- PI 571001 origin: Sudan. origin institute id: IS 3579. cultivar: TABRERE. other id: SU 242. group: SU. other id: 7. locality: Tozi. Seed.
- PI 571002 origin: Sudan. origin institute id: IS 6894. cultivar: NEMAISI ATBARA. other id: SU 268. group: SU. other id: 11. Seed.
- PI 571003 origin: Sudan. origin institute id: IS 3592. cultivar: GALB EL JACKUS. other id: SU 252. group: SU. other id: 22. locality: Tozi. Seed.
- PI 571004 origin: Sudan. origin institute id: IS 3072. cultivar: DEBEKRI. other id: SU 116. group: SU. Seed.
- PI 571005 origin: Sudan. origin institute id: IS 6971. cultivar: FETERITA GASHESH. other id: SU 335. group: SU. other id: 275. Seed.
- PI 571006 origin: Sudan. origin institute id: IS 7079. cultivar: SBI 147. other id: SU 430. group: SU. other id: 190. Seed.

PI 570920 to 571035-continued

- PI 571007 **origin:** Sudan. **origin institute id:** IS 2551. **other id:** SU 2432. **group:** SU. **Seed.**
- PI 571008 **origin:** Sudan. **origin institute id:** IS 3582. **cultivar:** ZANABLL FARAS. **other id:** SU 244. **group:** SU. **other id:** 10. **locality:** Tozi. **Seed.**
- PI 571009 **origin:** Sudan. **origin institute id:** IS 4138. **source history:** India. **cultivar:** TARWARIA. **other id:** SU 2393. **group:** SU. **locality:** Dhilwara. **Seed.**
- PI 571010 **origin:** Sudan. **origin institute id:** IS 6072. **source history:** India. **cultivar:** JOWAR CHIRGAON. **other id:** SU 2456. **group:** SU. **locality:** Jhansi. **Seed.**
- PI 571011 **origin:** Sudan. **origin institute id:** IS 1398. **cultivar:** SUFRA. **other id:** SU 36. **group:** SU. **other id:** AS 3790. **Seed.**
- PI 571012 **origin:** Sudan. **origin institute id:** IS 923. **cultivar:** AWANLEK. **other id:** SU 5. **group:** SU. **other id:** FC 4701. **Seed.**
- PI 571013 **origin:** Sudan. **origin institute id:** IS 2061. **other id:** SU 2348. **group:** SU. **Seed.**
- PI 571014 **origin:** Sudan. **origin institute id:** IS 3080. **cultivar:** SAFRA. **other id:** SU 122. **group:** SU. **Seed.**
- PI 571015 **origin:** Sudan. **origin institute id:** IS 4033. **source history:** India. **cultivar:** PALU RED. **other id:** SU 2418. **group:** SU. **locality:** Jaipur. **Seed.**
- PI 571016 **origin:** Sudan. **origin institute id:** IS 4035. **source history:** India. **cultivar:** MALIRON. **other id:** SU 2420. **group:** SU. **locality:** Jaipur. **Seed.**
- PI 571017 **origin:** Sudan. **origin institute id:** IS 4132. **source history:** India. **cultivar:** PATHWARA. **other id:** SU 2387. **group:** SU. **locality:** Chittoragarh. **Seed.**
- PI 571018 **origin:** Sudan. **origin institute id:** IS 4140. **source history:** India. **cultivar:** GUDHA. **other id:** SU 2395. **group:** SU. **locality:** Rajasthan. **Seed.**
- PI 571019 **origin:** Sudan. **origin institute id:** IS 6891. **cultivar:** CULUM I. **other id:** SU 265. **group:** SU. **other id:** 4. **Seed.**
- PI 571020 **origin:** Sudan. **origin institute id:** IS 6899. **cultivar:** FETERITA ABU DIREIERA. **other id:** SU 273. **group:** SU. **Seed.**

PI 570920 to 571035-continued

- PI 571021 **origin:** Sudan. **origin institute id:** IS 2076. **other id:** SU 2363. **group:** SU. **Seed.**
- PI 571022 **origin:** Sudan. **origin institute id:** IS 6895. **cultivar:** COLUM 2. **other id:** SU 269. **group:** SU. **other id:** 13. **Seed.**
- PI 571023 **origin:** Sudan. **origin institute id:** IS 935. **cultivar:** KLTO. **other id:** SU 13. **group:** SU. **other id:** FC 4644. **Seed.**
- PI 571024 **origin:** Sudan. **origin institute id:** IS 8595. **cultivar:** SB 217. **other id:** SU 436. **group:** SU. **other id:** E 48. **Seed.**
- PI 571025 **origin:** Sudan. **origin institute id:** IS 8689. **cultivar:** FEKI MUSTAKHI. **other id:** SU 440. **group:** SU. **other id:** E 143. **Seed.**
- PI 571026 **origin:** Sudan. **origin institute id:** IS 8701. **cultivar:** SHALLU. **other id:** SU 443. **group:** SU. **other id:** E 155. **Seed.**
- PI 571027 **origin:** Sudan. **origin institute id:** IS 8702. **other id:** SU 444. **group:** SU. **other id:** E 156. **Seed.**
- PI 571028 **origin:** Sudan. **origin institute id:** IS 3447. **cultivar:** AJAK. **other id:** SU 128. **group:** SU. **other id:** 249. **locality:** Tozi. **Seed.**
- PI 571029 **origin:** Sudan. **origin institute id:** IS 8693. **other id:** SU 441. **group:** SU. **other id:** E 147. **Seed.**
- PI 571030 **origin:** Sudan. **origin institute id:** IS 8786. **cultivar:** FETERITA BULK. **other id:** SU 445. **group:** SU. **other id:** E 277. **Seed.**
- PI 571031 **origin:** Sudan. **origin institute id:** IS 8685. **cultivar:** KORGI. **other id:** SU 438. **group:** SU. **other id:** E 139. **Seed.**
- PI 571032 **origin:** Sudan. **origin institute id:** IS 8688. **cultivar:** WAD EABL. **other id:** SU 439. **group:** SU. **other id:** E 142. **Seed.**
- PI 571033 **origin:** Sudan. **origin institute id:** IS 8797. **other id:** SU 447. **group:** SU. **other id:** E 290. **Seed.**
- PI 571034 **origin:** Sudan. **origin institute id:** IS 8700. **cultivar:** SHALLU UGANDA. **other id:** SU 442. **group:** SU. **other id:** E 154. **Seed.**

PI 570920 to 571035-continued

PI 571035 **origin:** Sudan. **origin institute id:** IS 2051. **other id:** SU 2338. **group:** SU. **Seed.**

PI 571036 to 571355. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. **Received** June 23, 1993.

PI 571036 **origin:** Sudan. **origin institute id:** IS 9274. **cultivar:** TOGI 224. **other id:** SU 456. **group:** SU. **Seed.**

PI 571037 **origin:** Sudan. **origin institute id:** IS 9280. **cultivar:** GASSALU 2. **other id:** SU 457. **group:** SU. **locality:** Wadenwait. **Seed.**

PI 571038 **origin:** Sudan. **origin institute id:** IS 9281. **cultivar:** ZIRA ZIRA. **other id:** SU 458. **group:** SU. **locality:** Wadenwait. **Seed.**

PI 571039 **origin:** Sudan. **origin institute id:** IS 9287. **cultivar:** T M. **other id:** SU 464. **group:** SU. **locality:** Wadenwait. **Seed.**

PI 571040 **origin:** Sudan. **origin institute id:** IS 9288. **cultivar:** T M B. **other id:** SU 465. **group:** SU. **locality:** Wadenwait. **Seed.**

PI 571041 **origin:** Sudan. **origin institute id:** IS 9289. **cultivar:** WAD AKR 51/3. **other id:** SU 466. **group:** SU. **locality:** Wadenwait. **Seed.**

PI 571042 **origin:** Sudan. **origin institute id:** IS 9290. **cultivar:** GADAMIL HAMAN. **other id:** SU 467. **group:** SU. **locality:** Wadenwait. **Seed.**

PI 571043 **origin:** Sudan. **origin institute id:** IS 9613. **cultivar:** SBI 125. **other id:** SU 468. **group:** SU. **locality:** Gezira Research Station. **Seed.**

PI 571044 **origin:** Sudan. **origin institute id:** IS 9614. **cultivar:** JOWAR 8. **other id:** SU 469. **group:** SU. **locality:** Gezira Research Station. **Seed.**

PI 571045 **origin:** Sudan. **origin institute id:** IS 9615. **cultivar:** HEGARI. **other id:** SU 470. **group:** SU. **locality:** Gezira Research Station. **Seed.**

PI 571046 **origin:** Sudan. **origin institute id:** IS 9616. **cultivar:** MARTIN 40. **other id:** SU 471. **group:** SU. **locality:** Gezira Research Station. **Seed.**

PI 571036 to 571355-continued

- PI 571047 **origin:** Sudan. **origin institute id:** IS 9617. **cultivar:** KAFIR COMBINE. **other id:** SU 472. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571048 **origin:** Sudan. **origin institute id:** IS 9618. **cultivar:** CAPRICORN. **other id:** SU 473. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571049 **origin:** Sudan. **origin institute id:** IS 9619. **cultivar:** COMBINE KAFIR TS. **other id:** SU 474. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571050 **origin:** Sudan. **origin institute id:** IS 9620. **cultivar:** D. KAFIR 44-14. **other id:** SU 475. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571051 **origin:** Sudan. **origin institute id:** IS 9621. **cultivar:** HOAKDORN. **other id:** SU 476. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571052 **origin:** Sudan. **origin institute id:** IS 9622. **cultivar:** POTACH 5. **other id:** SU 477. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571053 **origin:** Sudan. **origin institute id:** IS 9623. **cultivar:** POTACH 37 R. **other id:** SU 478. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571054 **origin:** Sudan. **origin institute id:** IS 9624. **cultivar:** WL KSA 5625-2-40-3. **other id:** SU 479. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571055 **origin:** Sudan. **origin institute id:** IS 9625. **cultivar:** KPM 5-7104. **other id:** SU 480. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571056 **origin:** Sudan. **origin institute id:** IS 9626. **cultivar:** KALO K 1. **other id:** SU 481. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571057 **origin:** Sudan. **origin institute id:** IS 9627. **cultivar:** COMBINE KAFIR. **other id:** SU 482. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571058 **origin:** Sudan. **origin institute id:** IS 9628. **cultivar:** CAPROCK. **other id:** SU 483. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571059 **origin:** Sudan. **origin institute id:** IS 9629. **cultivar:** 75 A. **other id:** SU 484. **group:** SU. **locality:** Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571060 origin: Sudan. origin institute id: IS 9630. cultivar: MILO MARTIN. other id: SU 485. group: SU. locality: Gezira Research Station. Seed.
- PI 571061 origin: Sudan. origin institute id: IS 9632. cultivar: RB 66 TS/387. other id: SU 486. group: SU. locality: Gezira Research Station. Seed.
- PI 571062 origin: Sudan. origin institute id: IS 9633. cultivar: MARTIN MILO. other id: SU 487. group: SU. locality: Gezira Research Station. Seed.
- PI 571063 origin: Sudan. origin institute id: IS 9634. cultivar: PLAINSMAN. other id: SU 488. group: SU. locality: Gezira Research Station. Seed.
- PI 571064 origin: Sudan. origin institute id: IS 9635. cultivar: 145. other id: SU 489. group: SU. locality: Gezira Research Station. Seed.
- PI 571065 origin: Sudan. origin institute id: IS 9636. cultivar: KANO. other id: SU 490. group: SU. locality: Gezira Research Station. Seed.
- PI 571066 origin: Sudan. origin institute id: IS 9637. cultivar: KAWANDA T27. other id: SU 491. group: SU. locality: Gezira Research Station. Seed.
- PI 571067 origin: Sudan. origin institute id: IS 9638. cultivar: KAWANDA L53. other id: SU 492. group: SU. locality: Gezira Research Station. Seed.
- PI 571068 origin: Sudan. origin institute id: IS 9639. cultivar: KAWANDA L31. other id: SU 493. group: SU. locality: Gezira Research Station. Seed.
- PI 571069 origin: Sudan. origin institute id: IS 9641. cultivar: BAGDER. other id: SU 494. group: SU. locality: Gezira Research Station. Seed.
- PI 571070 origin: Sudan. origin institute id: IS 9642. cultivar: BIRD BILL. other id: SU 495. group: SU. locality: Gezira Research Station. Seed.
- PI 571071 origin: Sudan. origin institute id: IS 9643. cultivar: KALO. other id: SU 496. group: SU. locality: Gezira Research Station. Seed.
- PI 571072 origin: Sudan. origin institute id: IS 9644. cultivar: CC DURRA. other id: SU 497. group: SU. locality: Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571073 origin: Sudan. origin institute id: IS 9645. cultivar: MSAMBIJI. other id: SU 498. group: SU. locality: Gezira Research Station. Seed.
- PI 571074 origin: Sudan. origin institute id: IS 9646. cultivar: COLEMAN. other id: SU 499. group: SU. locality: Gezira Research Station. Seed.
- PI 571075 origin: Sudan. origin institute id: IS 9647. cultivar: HEGARI B. other id: SU 500. group: SU. locality: Gezira Research Station. Seed.
- PI 571076 origin: Sudan. origin institute id: IS 9648. cultivar: DWARF HEGARI. other id: SU 501. group: SU. locality: Gezira Research Station. Seed.
- PI 571077 origin: Sudan. origin institute id: IS 9649. cultivar: EARLY HEGARI. other id: SU 502. group: SU. locality: Gezira Research Station. Seed.
- PI 571078 origin: Sudan. origin institute id: IS 9651. cultivar: CD HYBRID. other id: SU 504. group: SU. locality: Gezira Research Station. Seed.
- PI 571079 origin: Sudan. origin institute id: IS 9652. cultivar: EY MILO. other id: SU 505. group: SU. locality: Gezira Research Station. Seed.
- PI 571080 origin: Sudan. origin institute id: IS 9653. other id: SU 506. group: SU. locality: Gezira Research Station. Seed.
- PI 571081 origin: Sudan. origin institute id: IS 9654. cultivar: CODY. other id: SU 507. group: SU. locality: Gezira Research Station. Seed.
- PI 571082 origin: Sudan. origin institute id: IS 9655. cultivar: GHALLA SODA. other id: SU 508. group: SU. locality: Gezira Research Station. Seed.
- PI 571083 origin: Sudan. origin institute id: IS 9656. cultivar: DURRA EL JACK. other id: SU 509. group: SU. locality: Gezira Research Station. Seed.
- PI 571084 origin: Sudan. origin institute id: IS 9658. cultivar: T. BEIDA ID 111. other id: SU 510. group: SU. locality: Gezira Research Station. Seed.
- PI 571085 origin: Sudan. origin institute id: IS 9659. cultivar: NAGAD RUBARI. other id: SU 511. group: SU. locality: Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571086 **origin:** Sudan. **origin institute id:** IS 9660. **cultivar:** UM BAYUD. **other id:** SU 512. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571087 **origin:** Sudan. **origin institute id:** IS 9661. **cultivar:** MOSAR. **other id:** SU 513. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571088 **origin:** Sudan. **origin institute id:** IS 9662. **cultivar:** EAIN E 1 GOANG. **other id:** SU 514. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571089 **origin:** Sudan. **origin institute id:** IS 9663. **cultivar:** EAIN E 1 GOANG. **other id:** SU 515. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571090 **origin:** Sudan. **origin institute id:** IS 9664. **cultivar:** TA RANO. **other id:** SU 516. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571091 **origin:** Sudan. **origin institute id:** IS 9665. **cultivar:** BARKI. **other id:** SU 517. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571092 **origin:** Sudan. **origin institute id:** IS 9666. **cultivar:** FANDA ASFRA. **other id:** SU 518. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571093 **origin:** Sudan. **origin institute id:** IS 9667. **cultivar:** KULUM ARO. **other id:** SU 519. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571094 **origin:** Sudan. **origin institute id:** IS 9669. **cultivar:** MANAWAN. **other id:** SU 521. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571095 **origin:** Sudan. **origin institute id:** IS 9670. **cultivar:** MALAWI. **other id:** SU 522. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571096 **origin:** Sudan. **origin institute id:** IS 9671. **cultivar:** THOK B. **other id:** SU 523. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571097 **origin:** Sudan. **origin institute id:** IS 9672. **cultivar:** TADAL. **other id:** SU 524. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571098 **origin:** Sudan. **origin institute id:** IS 9673. **cultivar:** AYAK. **other id:** SU 525. **group:** SU. **locality:** Gezira Research Station. **Seed.**

PI 571036 to 571355-continued

- PI 571099 origin: Sudan. origin institute id: IS 9674. cultivar: ATHIL. other id: SU 526. group: SU. locality: Gezira Research Station. Seed.
- PI 571100 origin: Sudan. origin institute id: IS 9675. cultivar: AMORH. other id: SU 527. group: SU. locality: Gezira Research Station. Seed.
- PI 571101 origin: Sudan. origin institute id: IS 9676. cultivar: AYAL. other id: SU 528. group: SU. locality: Gezira Research Station. Seed.
- PI 571102 origin: Sudan. origin institute id: IS 9680. cultivar: KALO. other id: SU 531. group: SU. locality: Gezira Research Station. Seed.
- PI 571103 origin: Sudan. origin institute id: IS 9681. cultivar: AJAK SWEET. other id: SU 532. group: SU. locality: Gezira Research Station. Seed.
- PI 571104 origin: Sudan. origin institute id: IS 9682. cultivar: MIDLAND. other id: SU 533. group: SU. locality: Gezira Research Station. Seed.
- PI 571105 origin: Sudan. origin institute id: IS 9683. cultivar: COLBY. other id: SU 534. group: SU. locality: Gezira Research Station. Seed.
- PI 571106 origin: Sudan. origin institute id: IS 9684. cultivar: DAY MILO. other id: SU 535. group: SU. locality: Gezira Research Station. Seed.
- PI 571107 origin: Sudan. origin institute id: IS 9685. cultivar: COLEMAN. other id: SU 536. group: SU. locality: Gezira Research Station. Seed.
- PI 571108 origin: Sudan. origin institute id: IS 9686. cultivar: EARLY FULGER. other id: SU 537. group: SU. locality: Gezira Research Station. Seed.
- PI 571109 origin: Sudan. origin institute id: IS 9687. cultivar: ORANGE. other id: SU 538. group: SU. locality: Gezira Research Station. Seed.
- PI 571110 origin: Sudan. origin institute id: IS 9688. cultivar: HEMEISI WHITE. other id: SU 539. group: SU. locality: Gezira Research Station. Seed.
- PI 571111 origin: Sudan. origin institute id: IS 9689. cultivar: BOR KING. other id: SU 540. group: SU. locality: Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571112 origin: Sudan. origin institute id: IS 9690. cultivar: BAHANA 1. other id: SU 541. group: SU. locality: Gezira Research Station. Seed.
- PI 571113 origin: Sudan. origin institute id: IS 9691. cultivar: BAHANA 2. other id: SU 542. group: SU. locality: Gezira Research Station. Seed.
- PI 571114 origin: Sudan. origin institute id: IS 9692. cultivar: ATONG. other id: SU 543. group: SU. locality: Gezira Research Station. Seed.
- PI 571115 origin: Sudan. origin institute id: IS 9693. cultivar: CULUM ABEAD. other id: SU 544. group: SU. locality: Gezira Research Station. Seed.
- PI 571116 origin: Sudan. origin institute id: IS 9694. cultivar: CULUM HOOMA. other id: SU 545. group: SU. locality: Gezira Research Station. Seed.
- PI 571117 origin: Sudan. origin institute id: IS 9695. cultivar: CULAM AHMAR. other id: SU 546. group: SU. locality: Gezira Research Station. Seed.
- PI 571118 origin: Sudan. origin institute id: IS 9697. cultivar: CHIKKORI. other id: SU 548. group: SU. locality: Gezira Research Station. Seed.
- PI 571119 origin: Sudan. origin institute id: IS 9698. cultivar: ACOL. other id: SU 549. group: SU. locality: Gezira Research Station. Seed.
- PI 571120 origin: Sudan. origin institute id: IS 9699. cultivar: ZERA ZERA. other id: SU 550. group: SU. locality: Gezira Research Station. Seed.
- PI 571121 origin: Sudan. origin institute id: IS 9700. cultivar: LWEL FADIANG. other id: SU 551. group: SU. locality: Gezira Research Station. Seed.
- PI 571122 origin: Sudan. origin institute id: IS 9701. cultivar: UM SHILLI SHALAT. other id: SU 552. group: SU. locality: Gezira Research Station. Seed.
- PI 571123 origin: Sudan. origin institute id: IS 9702. cultivar: CALL. other id: SU 553. group: SU. locality: Gezira Research Station. Seed.
- PI 571124 origin: Sudan. origin institute id: IS 9703. cultivar: NYAN JANG. other id: SU 554. group: SU. locality: Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571125 origin: Sudan. origin institute id: IS 9704. cultivar: RAHMATALLA. other id: SU 555. group: SU. locality: Gezira Research Station. Seed.
- PI 571126 origin: Sudan. origin institute id: IS 9705. cultivar: KALILI. other id: SU 556. group: SU. locality: Gezira Research Station. Seed.
- PI 571127 origin: Sudan. origin institute id: IS 9709. cultivar: KODODAK. other id: SU 558. group: SU. locality: Gezira Research Station. Seed.
- PI 571128 origin: Sudan. origin institute id: IS 9710. cultivar: EL LUBEI. other id: SU 559. group: SU. locality: Gezira Research Station. Seed.
- PI 571129 origin: Sudan. origin institute id: IS 9711. cultivar: ABU SARI. other id: SU 560. group: SU. locality: Gezira Research Station. Seed.
- PI 571130 origin: Sudan. origin institute id: IS 9714. cultivar: BARFOURI BROWN. other id: SU 562. group: SU. locality: Gezira Research Station. Seed.
- PI 571131 origin: Sudan. origin institute id: IS 9716. cultivar: ABU KUDUR. other id: SU 564. group: SU. locality: Gezira Research Station. Seed.
- PI 571132 origin: Sudan. origin institute id: IS 9717. cultivar: EL. FADRI. other id: SU 565. group: SU. locality: Gezira Research Station. Seed.
- PI 571133 origin: Sudan. origin institute id: IS 9718. cultivar: HEGARI. other id: SU 566. group: SU. locality: Gezira Research Station. Seed.
- PI 571134 origin: Sudan. origin institute id: IS 9719. cultivar: MUGBASU WHITE. other id: SU 567. group: SU. locality: Gezira Research Station. Seed.
- PI 571135 origin: Sudan. origin institute id: IS 9721. cultivar: KARRINAKO. other id: SU 569. group: SU. locality: Gezira Research Station. Seed.
- PI 571136 origin: Sudan. origin institute id: IS 9722. cultivar: GASSABI. other id: SU 570. group: SU. locality: Gezira Research Station. Seed.
- PI 571137 origin: Sudan. origin institute id: IS 9723. cultivar: WAD AKAR. other id: SU 571. group: SU. locality: Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571138 origin: Sudan. origin institute id: IS 9725. cultivar: FETERITA SHENDI. other id: SU 573. group: SU. locality: Gezira Research Station. Seed.
- PI 571139 origin: Sudan. origin institute id: IS 9726. cultivar: FETERITA FAYOUMI. other id: SU 574. group: SU. other id: DS 2. locality: Gezira Research Station. Seed.
- PI 571140 origin: Sudan. origin institute id: IS 9727. cultivar: FETERITA ABU DEREISA. other id: SU 575. group: SU. other id: DS 3. locality: Gezira Research Station. Seed.
- PI 571141 origin: Sudan. origin institute id: IS 9728. cultivar: FETERITA MANGIL. other id: SU 576. group: SU. locality: Gezira Research Station. Seed.
- PI 571142 origin: Sudan. origin institute id: IS 9729. cultivar: FETERITA FULLI. other id: SU 577. group: SU. locality: Gezira Research Station. Seed.
- PI 571143 origin: Sudan. origin institute id: IS 9730. cultivar: FETERITA FAYOUMI. other id: SU 578. group: SU. other id: DS 5. locality: Gezira Research Station. Seed.
- PI 571144 origin: Sudan. origin institute id: IS 9731. cultivar: FETERITA FAYOUMI. other id: SU 579. group: SU. other id: DS 6. locality: Gezira Research Station. Seed.
- PI 571145 origin: Sudan. origin institute id: IS 9732. cultivar: FETERITA FAYOUMI. other id: SU 580. group: SU. locality: Gezira Research Station. Seed.
- PI 571146 origin: Sudan. origin institute id: IS 9733. cultivar: FETERITA GANTOL. other id: SU 581. group: SU. locality: Gezira Research Station. Seed.
- PI 571147 origin: Sudan. origin institute id: IS 9734. cultivar: MALWAL ADINJOK. other id: SU 582. group: SU. locality: Gezira Research Station. Seed.
- PI 571148 origin: Sudan. origin institute id: IS 9735. cultivar: BAGAD NOR. other id: SU 583. group: SU. locality: Gezira Research Station. Seed.
- PI 571149 origin: Sudan. origin institute id: IS 9736. cultivar: LAMBAS. other id: SU 584. group: SU. locality: Gezira Research Station. Seed.
- PI 571150 origin: Sudan. origin institute id: IS 9737. cultivar: ABU CHOBSHAN. other id: SU 585. group: SU. locality: Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571151 origin: Sudan. origin institute id: IS 9738. cultivar: MAYO. other id: SU 586. group: SU. locality: Gezira Research Station. Seed.
- PI 571152 origin: Sudan. origin institute id: IS 9740. cultivar: QUEXY 6. other id: SU 588. group: SU. locality: Gezira Research Station. Seed.
- PI 571153 origin: Sudan. origin institute id: IS 9741. cultivar: IMSAH NANATAK. other id: SU 589. group: SU. locality: Gezira Research Station. Seed.
- PI 571154 origin: Sudan. origin institute id: IS 9742. cultivar: GASSABI KHARIF. other id: SU 590. group: SU. locality: Gezira Research Station. Seed.
- PI 571155 origin: Sudan. origin institute id: IS 9743. cultivar: KOBI. other id: SU 591. group: SU. locality: Gezira Research Station. Seed.
- PI 571156 origin: Sudan. origin institute id: IS 9744. cultivar: EL SAFRA. other id: SU 592. group: SU. locality: Gezira Research Station. Seed.
- PI 571157 origin: Sudan. origin institute id: IS 9745. cultivar: BHANA 2. other id: SU 593. group: SU. locality: Gezira Research Station. Seed.
- PI 571158 origin: Sudan. origin institute id: IS 9746. cultivar: BHANA 3. other id: SU 594. group: SU. locality: Gezira Research Station. Seed.
- PI 571159 origin: Sudan. origin institute id: IS 9747. cultivar: BEIN. other id: SU 595. group: SU. locality: Gezira Research Station. Seed.
- PI 571160 origin: Sudan. origin institute id: IS 9748. cultivar: BIRGALLI AHMER. other id: SU 596. group: SU. locality: Gezira Research Station. Seed.
- PI 571161 origin: Sudan. origin institute id: IS 9749. cultivar: DARFOUIA GREY. other id: SU 597. group: SU. locality: Gezira Research Station. Seed.
- PI 571162 origin: Sudan. origin institute id: IS 9750. other id: SU 598. group: SU. other id: DS 7. locality: Gezira Research Station. Seed.
- PI 571163 origin: Sudan. origin institute id: IS 9751. other id: SU 599. group: SU. other id: DS 8. locality: Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571164 **origin:** Sudan. **origin institute id:** IS 9752. **other id:** SU 600. **group:** SU. **other id:** DS 10. **locality:** Gezira Research Station. **Seed.**
- PI 571165 **origin:** Sudan. **origin institute id:** IS 9753. **other id:** SU 601. **group:** SU. **other id:** DS 12. **locality:** Gezira Research Station. **Seed.**
- PI 571166 **origin:** Sudan. **origin institute id:** IS 9754. **other id:** SU 602. **group:** SU. **other id:** DS 13. **locality:** Gezira Research Station. **Seed.**
- PI 571167 **origin:** Sudan. **origin institute id:** IS 9756. **other id:** SU 603. **group:** SU. **other id:** DS 18. **locality:** Gezira Research Station. **Seed.**
- PI 571168 **origin:** Sudan. **origin institute id:** IS 9757. **cultivar:** FETERITA DWARF 6603. **other id:** SU 604. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571169 **origin:** Sudan. **origin institute id:** IS 9758. **cultivar:** FETERITA FULLI DUEIN. **other id:** SU 605. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571170 **origin:** Sudan. **origin institute id:** IS 9759. **cultivar:** FETERITA JULLY GRP. **other id:** SU 606. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571171 **origin:** Sudan. **origin institute id:** IS 9760. **cultivar:** FETERITA GESHAIN R. **other id:** SU 607. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571172 **origin:** Sudan. **origin institute id:** IS 9761. **cultivar:** FETERITA KENANA. **other id:** SU 608. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571173 **origin:** Sudan. **origin institute id:** IS 9762. **cultivar:** FETERITA SHENDI. **other id:** SU 609. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571174 **origin:** Sudan. **origin institute id:** IS 9763. **cultivar:** FETERITA GONDAL. **other id:** SU 610. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571175 **origin:** Sudan. **origin institute id:** IS 9765. **cultivar:** IMSAK MARATAK. **other id:** SU 612. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571176 **origin:** Sudan. **origin institute id:** IS 9767. **cultivar:** KARINAKA. **other id:** SU 614. **group:** SU. **locality:** Gezira Research Station. **Seed.**

PI 571036 to 571355-continued

- PI 571177 origin: Sudan. origin institute id: IS 9769. cultivar: KODILIK. other id: SU 616. group: SU. locality: Gezira Research Station. Seed.
- PI 571178 origin: Sudan. origin institute id: IS 9770. cultivar: MALWAL AWEIL. other id: SU 617. group: SU. locality: Gezira Research Station. Seed.
- PI 571179 origin: Sudan. origin institute id: IS 9771. cultivar: HEMEISI SHERESBER. other id: SU 618. group: SU. locality: Gezira Research Station. Seed.
- PI 571180 origin: Sudan. origin institute id: IS 9772. cultivar: MENDO. other id: SU 619. group: SU. locality: Gezira Research Station. Seed.
- PI 571181 origin: Sudan. origin institute id: IS 9773. cultivar: MORASI. other id: SU 620. group: SU. locality: Gezira Research Station. Seed.
- PI 571182 origin: Sudan. origin institute id: IS 9774. cultivar: MESSERIA. other id: SU 621. group: SU. locality: Gezira Research Station. Seed.
- PI 571183 origin: Sudan. origin institute id: IS 9775. cultivar: MONSTAL. other id: SU 622. group: SU. locality: Gezira Research Station. Seed.
- PI 571184 origin: Sudan. origin institute id: IS 9776. cultivar: NAGAD GREY. other id: SU 623. group: SU. locality: Gezira Research Station. Seed.
- PI 571185 origin: Sudan. origin institute id: IS 9778. cultivar: POTCH 7. other id: SU 625. group: SU. locality: Gezira Research Station. Seed.
- PI 571186 origin: Sudan. origin institute id: IS 9779. cultivar: QUERY 2. other id: SU 626. group: SU. locality: Gezira Research Station. Seed.
- PI 571187 origin: Sudan. origin institute id: IS 9780. cultivar: QUERY 3. other id: SU 627. group: SU. locality: Gezira Research Station. Seed.
- PI 571188 origin: Sudan. origin institute id: IS 9781. cultivar: QUERY 8. other id: SU 628. group: SU. locality: Gezira Research Station. Seed.
- PI 571189 origin: Sudan. origin institute id: IS 9782. cultivar: RAS ET. GUID. other id: SU 629. group: SU. locality: Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571190 **origin:** Sudan. **origin institute id:** IS 9783. **cultivar:** SFARA. **other id:** SU 630. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571191 **origin:** Sudan. **origin institute id:** IS 9784. **cultivar:** SFARA WHITE NILE. **other id:** SU 631. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571192 **origin:** Sudan. **origin institute id:** IS 9785. **cultivar:** SOLOWAI PURPLE. **other id:** SU 632. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571193 **origin:** Sudan. **origin institute id:** IS 9787. **cultivar:** WAD AKAR 2. **other id:** SU 634. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571194 **origin:** Sudan. **origin institute id:** IS 9788. **cultivar:** WAD AKAR 3. **other id:** SU 635. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571195 **origin:** Sudan. **origin institute id:** IS 9789. **cultivar:** WAD AKAR 5. **other id:** SU 636. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571196 **origin:** Sudan. **origin institute id:** IS 9790. **cultivar:** WAD AKAR 6. **other id:** SU 637. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571197 **origin:** Sudan. **origin institute id:** IS 9792. **cultivar:** WAD FUR. **other id:** SU 638. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571198 **origin:** Sudan. **origin institute id:** IS 9793. **cultivar:** WAD MUMID. **other id:** SU 639. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571199 **origin:** Sudan. **origin institute id:** IS 9794. **cultivar:** WAD YABIS. **other id:** SU 640. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571200 **origin:** Sudan. **origin institute id:** IS 9795. **cultivar:** YAR. **other id:** SU 641. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571201 **origin:** Sudan. **origin institute id:** IS 9796. **cultivar:** YT 24. **other id:** SU 642. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571202 **origin:** Sudan. **origin institute id:** IS 9797. **cultivar:** YT 69. **other id:** SU 643. **group:** SU. **locality:** Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571203 origin: Sudan. origin institute id: IS 9798. cultivar: BASSA. other id: SU 644. group: SU. locality: Gezira Research Station. Seed.
- PI 571204 origin: Sudan. origin institute id: IS 9800. cultivar: EL MELEIT. other id: SU 646. group: SU. locality: Gezira Research Station. Seed.
- PI 571205 origin: Sudan. origin institute id: IS 9802. cultivar: S. SWAZILAND. other id: SU 647. group: SU. locality: Gezira Research Station. Seed.
- PI 571206 origin: Sudan. origin institute id: IS 9803. cultivar: S. HAAKDORN. other id: SU 648. group: SU. locality: Gezira Research Station. Seed.
- PI 571207 origin: Sudan. origin institute id: IS 9804. cultivar: DEBECK 3. other id: SU 649. group: SU. locality: Gezira Research Station. Seed.
- PI 571208 origin: Sudan. origin institute id: IS 9805. cultivar: DARI. other id: SU 650. group: SU. locality: Gezira Research Station. Seed.
- PI 571209 origin: Sudan. origin institute id: IS 9807. cultivar: KIGO. other id: SU 651. group: SU. locality: Gezira Research Station. Seed.
- PI 571210 origin: Sudan. origin institute id: IS 9808. cultivar: TUNNAK. other id: SU 652. group: SU. locality: Gezira Research Station. Seed.
- PI 571211 origin: Sudan. origin institute id: IS 9809. cultivar: CULUM BROWN. other id: SU 653. group: SU. locality: Gezira Research Station. Seed.
- PI 571212 origin: Sudan. origin institute id: IS 9810. cultivar: NAGAD BROWN. other id: SU 654. group: SU. locality: Gezira Research Station. Seed.
- PI 571213 origin: Sudan. origin institute id: IS 9811. cultivar: AWAJ EI RAGER. other id: SU 655. group: SU. locality: Gezira Research Station. Seed.
- PI 571214 origin: Sudan. origin institute id: IS 9812. cultivar: FETERITA GONDAL (RAIN). other id: SU 656. group: SU. locality: Gezira Research Station. Seed.
- PI 571215 origin: Sudan. origin institute id: IS 9813. cultivar: PEKD/MANAGIL. other id: SU 657. group: SU. locality: Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571216 **origin:** Sudan. **origin institute id:** IS 9814. **cultivar:** FETERITA ABDEL MAGID. **other id:** SU 658. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571217 **origin:** Sudan. **origin institute id:** IS 9815. **cultivar:** FETERITA DUEIN. **other id:** SU 659. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571218 **origin:** Sudan. **origin institute id:** IS 9816. **cultivar:** FETERITA FULLY MAATUK. **other id:** SU 660. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571219 **origin:** Sudan. **origin institute id:** IS 9817. **cultivar:** FETERITA ABU DERGA. **other id:** SU 661. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571220 **origin:** Sudan. **origin institute id:** IS 9818. **cultivar:** WAD EI FAHAL. **other id:** SU 662. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571221 **origin:** Sudan. **origin institute id:** IS 9819. **cultivar:** BHANA. **other id:** SU 663. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571222 **origin:** Sudan. **origin institute id:** IS 9821. **cultivar:** LEVEL. **other id:** SU 665. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571223 **origin:** Sudan. **origin institute id:** IS 9822. **cultivar:** AGONO KAIDUN. **other id:** SU 666. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571224 **origin:** Sudan. **origin institute id:** IS 9823. **cultivar:** ANKOLIB WHITE. **other id:** SU 667. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571225 **origin:** Sudan. **origin institute id:** IS 9826. **cultivar:** UGANDA L1. **other id:** SU 668. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571226 **origin:** Sudan. **origin institute id:** IS 9827. **cultivar:** UGANDA L15. **other id:** SU 669. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571227 **origin:** Sudan. **origin institute id:** IS 9828. **cultivar:** ADIGO. **other id:** SU 670. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571228 **origin:** Sudan. **origin institute id:** IS 9829. **cultivar:** AMER JOWARI MILO. **other id:** SU 671. **group:** SU. **locality:** Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571229 **origin:** Sudan. **origin institute id:** IS 9831. **cultivar:** SBI 8. **other id:** SU 673. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571230 **origin:** Sudan. **origin institute id:** IS 9833. **cultivar:** ANDRO POGAN. **other id:** SU 675. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571231 **origin:** Sudan. **origin institute id:** IS 9834. **cultivar:** SONGO RED AMBER. **other id:** SU 676. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571232 **origin:** Sudan. **origin institute id:** IS 9835. **cultivar:** DWARF EARLY SHALLU 5772/1. **other id:** SU 677. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571233 **origin:** Sudan. **origin institute id:** IS 9837. **cultivar:** DWARF EARLY SHALLU 5772/2. **other id:** SU 679. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571234 **origin:** Sudan. **origin institute id:** IS 9838. **cultivar:** COLLIER. **other id:** SU 680. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571235 **origin:** Sudan. **origin institute id:** IS 9839. **cultivar:** SBI 100. **other id:** SU 681. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571236 **origin:** Sudan. **origin institute id:** IS 9840. **cultivar:** YELLOW SUMAC. **other id:** SU 682. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571237 **origin:** Sudan. **origin institute id:** IS 9841. **cultivar:** NT 2614. **other id:** SU 683. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571238 **origin:** Sudan. **origin institute id:** IS 9842. **cultivar:** S. TAKANDA. **other id:** SU 684. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571239 **origin:** Sudan. **origin institute id:** IS 9843. **cultivar:** ZANDA KOKO. **other id:** SU 685. **group:** SU. **locality:** Gezira Research Station. **Seed.**
- PI 571240 **origin:** Sudan. **origin institute id:** IS 9844. **other id:** SU 686. **group:** SU. **other id:** A 2. **locality:** Gezira Research Station. **Seed.**
- PI 571241 **origin:** Sudan. **origin institute id:** IS 9845. **other id:** SU 687. **group:** SU. **other id:** A 3. **locality:** Gezira Research Station. **Seed.**

PI 571036 to 571355-continued

PI 571242 **origin:** Sudan. **origin institute id:** IS 9847. **other id:** SU 689. **group:** SU. **other id:** A 12. **locality:** Gezira Research Station. Seed.

PI 571243 **origin:** Sudan. **origin institute id:** IS 9848. **other id:** SU 690. **group:** SU. **other id:** A 14. **locality:** Gezira Research Station. Seed.

PI 571244 **origin:** Sudan. **origin institute id:** IS 9850. **other id:** SU 692. **group:** SU. **other id:** A 27. **locality:** Gezira Research Station. Seed.

PI 571245 **origin:** Sudan. **origin institute id:** IS 9851. **other id:** SU 693. **group:** SU. **other id:** A 29. **locality:** Gezira Research Station. Seed.

PI 571246 **origin:** Sudan. **origin institute id:** IS 9853. **other id:** SU 695. **group:** SU. **other id:** A 35. **locality:** Gezira Research Station. Seed.

PI 571247 **origin:** Sudan. **origin institute id:** IS 9854. **other id:** SU 696. **group:** SU. **other id:** A 37. **locality:** Gezira Research Station. Seed.

PI 571248 **origin:** Sudan. **origin institute id:** IS 9855. **other id:** SU 697. **group:** SU. **other id:** A 41. **locality:** Gezira Research Station. Seed.

PI 571249 **origin:** Sudan. **origin institute id:** IS 9856. **other id:** SU 698. **group:** SU. **other id:** A 43. **locality:** Gezira Research Station. Seed.

PI 571250 **origin:** Sudan. **origin institute id:** IS 9857. **other id:** SU 699. **group:** SU. **other id:** A 46. **locality:** Gezira Research Station. Seed.

PI 571251 **origin:** Sudan. **origin institute id:** IS 9858. **other id:** SU 700. **group:** SU. **other id:** A 47. **locality:** Gezira Research Station. Seed.

PI 571252 **origin:** Sudan. **origin institute id:** IS 9859. **other id:** SU 701. **group:** SU. **other id:** A 50. **locality:** Gezira Research Station. Seed.

PI 571253 **origin:** Sudan. **origin institute id:** IS 9860. **other id:** SU 702. **group:** SU. **other id:** A 54. **locality:** Gezira Research Station. Seed.

PI 571254 **origin:** Sudan. **origin institute id:** IS 9861. **other id:** SU 703. **group:** SU. **other id:** A 55. **locality:** Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571255 **origin:** Sudan. **origin institute id:** IS 9862. **other id:** SU 704. **group:** SU. **other id:** A 56. **locality:** Gezira Research Station. Seed.
- PI 571256 **origin:** Sudan. **origin institute id:** IS 9864. **other id:** SU 705. **group:** SU. **other id:** A 67. **locality:** Gezira Research Station. Seed.
- PI 571257 **origin:** Sudan. **origin institute id:** IS 9865. **other id:** SU 706. **group:** SU. **other id:** A 68. **locality:** Gezira Research Station. Seed.
- PI 571258 **origin:** Sudan. **origin institute id:** IS 9866. **other id:** SU 707. **group:** SU. **other id:** A 70. **locality:** Gezira Research Station. Seed.
- PI 571259 **origin:** Sudan. **origin institute id:** IS 9867. **other id:** SU 708. **group:** SU. **other id:** A 72. **locality:** Gezira Research Station. Seed.
- PI 571260 **origin:** Sudan. **origin institute id:** IS 9868. **other id:** SU 709. **group:** SU. **other id:** A 75. **locality:** Gezira Research Station. Seed.
- PI 571261 **origin:** Sudan. **origin institute id:** IS 9870. **other id:** SU 710. **group:** SU. **other id:** A 82. **locality:** Gezira Research Station. Seed.
- PI 571262 **origin:** Sudan. **origin institute id:** IS 9874. **other id:** SU 713. **group:** SU. **other id:** A 89. **locality:** Gezira Research Station. Seed.
- PI 571263 **origin:** Sudan. **origin institute id:** IS 9875. **other id:** SU 714. **group:** SU. **other id:** A 91. **locality:** Gezira Research Station. Seed.
- PI 571264 **origin:** Sudan. **origin institute id:** IS 9876. **other id:** SU 715. **group:** SU. **other id:** A 94. **locality:** Gezira Research Station. Seed.
- PI 571265 **origin:** Sudan. **origin institute id:** IS 9877. **other id:** SU 716. **group:** SU. **other id:** A 96. **locality:** Gezira Research Station. Seed.
- PI 571266 **origin:** Sudan. **origin institute id:** IS 9878. **other id:** SU 717. **group:** SU. **other id:** A 97. **locality:** Gezira Research Station. Seed.
- PI 571267 **origin:** Sudan. **origin institute id:** IS 9879. **other id:** SU 718. **group:** SU. **other id:** A 102. **locality:** Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571268 **origin:** Sudan. **origin institute id:** IS 9880. **other id:** SU 719. **group:** SU. **other id:** A 103. **locality:** Gezira Research Station. Seed.
- PI 571269 **origin:** Sudan. **origin institute id:** IS 9881. **other id:** SU 720. **group:** SU. **other id:** A 104. **locality:** Gezira Research Station. Seed.
- PI 571270 **origin:** Sudan. **origin institute id:** IS 9882. **other id:** SU 721. **group:** SU. **other id:** A 105. **locality:** Gezira Research Station. Seed.
- PI 571271 **origin:** Sudan. **origin institute id:** IS 9883. **other id:** SU 722. **group:** SU. **other id:** A 107. **locality:** Gezira Research Station. Seed.
- PI 571272 **origin:** Sudan. **origin institute id:** IS 9884. **other id:** SU 723. **group:** SU. **other id:** A 123. **locality:** Gezira Research Station. Seed.
- PI 571273 **origin:** Sudan. **origin institute id:** IS 9885. **other id:** SU 724. **group:** SU. **other id:** A 131. **locality:** Gezira Research Station. Seed.
- PI 571274 **origin:** Sudan. **origin institute id:** IS 9886. **other id:** SU 725. **group:** SU. **other id:** A 132. **locality:** Gezira Research Station. Seed.
- PI 571275 **origin:** Sudan. **origin institute id:** IS 9888. **other id:** SU 726. **group:** SU. **other id:** A 144. **locality:** Gezira Research Station. Seed.
- PI 571276 **origin:** Sudan. **origin institute id:** IS 9889. **other id:** SU 727. **group:** SU. **other id:** A 154. **locality:** Gezira Research Station. Seed.
- PI 571277 **origin:** Sudan. **origin institute id:** IS 9891. **other id:** SU 728. **group:** SU. **other id:** A 158. **locality:** Gezira Research Station. Seed.
- PI 571278 **origin:** Sudan. **origin institute id:** IS 9892. **other id:** SU 729. **group:** SU. **other id:** A 168. **locality:** Gezira Research Station. Seed.
- PI 571279 **origin:** Sudan. **origin institute id:** IS 9893. **other id:** SU 730. **group:** SU. **other id:** A 170. **locality:** Gezira Research Station. Seed.
- PI 571280 **origin:** Sudan. **origin institute id:** IS 9894. **other id:** SU 731. **group:** SU. **other id:** A 181. **locality:** Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571281 **origin:** Sudan. **origin institute id:** IS 9895. **other id:** SU 732. **group:** SU. **other id:** A 185. **locality:** Gezira Research Station. **Seed.**
- PI 571282 **origin:** Sudan. **origin institute id:** IS 9898. **other id:** SU 733. **group:** SU. **other id:** A 192. **locality:** Gezira Research Station. **Seed.**
- PI 571283 **origin:** Sudan. **origin institute id:** IS 9899. **other id:** SU 734. **group:** SU. **other id:** A 205. **locality:** Gezira Research Station. **Seed.**
- PI 571284 **origin:** Sudan. **origin institute id:** IS 9901. **other id:** SU 735. **group:** SU. **other id:** A 211. **locality:** Gezira Research Station. **Seed.**
- PI 571285 **origin:** Sudan. **origin institute id:** IS 9902. **other id:** SU 736. **group:** SU. **other id:** A 212. **locality:** Gezira Research Station. **Seed.**
- PI 571286 **origin:** Sudan. **origin institute id:** IS 9903. **other id:** SU 737. **group:** SU. **other id:** A 214. **locality:** Gezira Research Station. **Seed.**
- PI 571287 **origin:** Sudan. **origin institute id:** IS 9904. **other id:** SU 738. **group:** SU. **other id:** A 215. **locality:** Gezira Research Station. **Seed.**
- PI 571288 **origin:** Sudan. **origin institute id:** IS 9905. **other id:** SU 739. **group:** SU. **other id:** A 217. **locality:** Gezira Research Station. **Seed.**
- PI 571289 **origin:** Sudan. **origin institute id:** IS 9907. **other id:** SU 741. **group:** SU. **other id:** A 225. **locality:** Gezira Research Station. **Seed.**
- PI 571290 **origin:** Sudan. **origin institute id:** IS 9908. **other id:** SU 742. **group:** SU. **other id:** A 227. **locality:** Gezira Research Station. **Seed.**
- PI 571291 **origin:** Sudan. **origin institute id:** IS 9910. **other id:** SU 744. **group:** SU. **other id:** A 243. **locality:** Gezira Research Station. **Seed.**
- PI 571292 **origin:** Sudan. **origin institute id:** IS 9911. **other id:** SU 745. **group:** SU. **other id:** A 256. **locality:** Gezira Research Station. **Seed.**
- PI 571293 **origin:** Sudan. **origin institute id:** IS 9912. **other id:** SU 746. **group:** SU. **other id:** A 261. **locality:** Gezira Research Station. **Seed.**

PI 571036 to 571355-continued

- PI 571294 **origin:** Sudan. **origin institute id:** IS 9913. **other id:** SU 747. **group:** SU. **other id:** A 262. **locality:** Gezira Research Station. **Seed.**
- PI 571295 **origin:** Sudan. **origin institute id:** IS 9914. **other id:** SU 748. **group:** SU. **other id:** A 264. **locality:** Gezira Research Station. **Seed.**
- PI 571296 **origin:** Sudan. **origin institute id:** IS 9918. **other id:** SU 750. **group:** SU. **other id:** A 303. **locality:** Gezira Research Station. **Seed.**
- PI 571297 **origin:** Sudan. **origin institute id:** IS 9921. **other id:** SU 751. **group:** SU. **other id:** A 305. **locality:** Gezira Research Station. **Seed.**
- PI 571298 **origin:** Sudan. **origin institute id:** IS 9922. **other id:** SU 752. **group:** SU. **other id:** A 312. **locality:** Gezira Research Station. **Seed.**
- PI 571299 **origin:** Sudan. **origin institute id:** IS 9923. **other id:** SU 753. **group:** SU. **other id:** A 313. **locality:** Gezira Research Station. **Seed.**
- PI 571300 **origin:** Sudan. **origin institute id:** IS 9924. **other id:** SU 754. **group:** SU. **other id:** A 315. **locality:** Gezira Research Station. **Seed.**
- PI 571301 **origin:** Sudan. **origin institute id:** IS 9926. **other id:** SU 755. **group:** SU. **other id:** A 318. **locality:** Gezira Research Station. **Seed.**
- PI 571302 **origin:** Sudan. **origin institute id:** IS 9927. **other id:** SU 756. **group:** SU. **other id:** A 321. **locality:** Gezira Research Station. **Seed.**
- PI 571303 **origin:** Sudan. **origin institute id:** IS 9928. **other id:** SU 757. **group:** SU. **other id:** A 337. **locality:** Gezira Research Station. **Seed.**
- PI 571304 **origin:** Sudan. **origin institute id:** IS 9930. **other id:** SU 758. **group:** SU. **other id:** A 351. **locality:** Gezira Research Station. **Seed.**
- PI 571305 **origin:** Sudan. **origin institute id:** IS 9931. **other id:** SU 759. **group:** SU. **other id:** A 356. **locality:** Gezira Research Station. **Seed.**
- PI 571306 **origin:** Sudan. **origin institute id:** IS 9932. **other id:** SU 760. **group:** SU. **other id:** B 6. **locality:** Gezira Research Station. **Seed.**

PI 571036 to 571355-continued

- PI 571307 **origin:** Sudan. **origin institute id:** IS 9933. **other id:** SU 761. **group:** SU. **other id:** B 8. **locality:** Gezira Research Station. Seed.
- PI 571308 **origin:** Sudan. **origin institute id:** IS 9934. **other id:** SU 762. **group:** SU. **other id:** B 12. **locality:** Gezira Research Station. Seed.
- PI 571309 **origin:** Sudan. **origin institute id:** IS 9935. **other id:** SU 763. **group:** SU. **other id:** B 15. **locality:** Gezira Research Station. Seed.
- PI 571310 **origin:** Sudan. **origin institute id:** IS 9936. **other id:** SU 764. **group:** SU. **other id:** B 25. **locality:** Gezira Research Station. Seed.
- PI 571311 **origin:** Sudan. **origin institute id:** IS 9937. **other id:** SU 765. **group:** SU. **other id:** B 28. **locality:** Gezira Research Station. Seed.
- PI 571312 **origin:** Sudan. **origin institute id:** IS 9938. **other id:** SU 766. **group:** SU. **other id:** B 33. **locality:** Gezira Research Station. Seed.
- PI 571313 **origin:** Sudan. **origin institute id:** IS 9939. **other id:** SU 767. **group:** SU. **other id:** B 50. **locality:** Gezira Research Station. Seed.
- PI 571314 **origin:** Sudan. **origin institute id:** IS 9940. **other id:** SU 768. **group:** SU. **other id:** B 55. **locality:** Gezira Research Station. Seed.
- PI 571315 **origin:** Sudan. **origin institute id:** IS 9941. **other id:** SU 769. **group:** SU. **other id:** B 57. **locality:** Gezira Research Station. Seed.
- PI 571316 **origin:** Sudan. **origin institute id:** IS 9942. **other id:** SU 770. **group:** SU. **other id:** B 63. **locality:** Gezira Research Station. Seed.
- PI 571317 **origin:** Sudan. **origin institute id:** IS 9943. **other id:** SU 771. **group:** SU. **other id:** B 69. **locality:** Gezira Research Station. Seed.
- PI 571318 **origin:** Sudan. **origin institute id:** IS 9944. **other id:** SU 772. **group:** SU. **other id:** B 32. **locality:** Gezira Research Station. Seed.
- PI 571319 **origin:** Sudan. **origin institute id:** IS 9945. **other id:** SU 773. **group:** SU. **other id:** B 65. **locality:** Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571320 **origin:** Sudan. **origin institute id:** IS 9946. **other id:** SU 774. **group:** SU. **other id:** B 97. **locality:** Gezira Research Station. Seed.
- PI 571321 **origin:** Sudan. **origin institute id:** IS 9947. **other id:** SU 775. **group:** SU. **other id:** B 100. **locality:** Gezira Research Station. Seed.
- PI 571322 **origin:** Sudan. **origin institute id:** IS 9948. **other id:** SU 776. **group:** SU. **other id:** B 103. **locality:** Gezira Research Station. Seed.
- PI 571323 **origin:** Sudan. **origin institute id:** IS 9949. **other id:** SU 777. **group:** SU. **other id:** B 107. **locality:** Gezira Research Station. Seed.
- PI 571324 **origin:** Sudan. **origin institute id:** IS 9950. **other id:** SU 778. **group:** SU. **other id:** B 111. **locality:** Gezira Research Station. Seed.
- PI 571325 **origin:** Sudan. **origin institute id:** IS 9951. **other id:** SU 779. **group:** SU. **other id:** B 112. **locality:** Gezira Research Station. Seed.
- PI 571326 **origin:** Sudan. **origin institute id:** IS 9953. **other id:** SU 780. **group:** SU. **other id:** B 129. **locality:** Gezira Research Station. Seed.
- PI 571327 **origin:** Sudan. **origin institute id:** IS 9955. **other id:** SU 781. **group:** SU. **other id:** B 135. **locality:** Gezira Research Station. Seed.
- PI 571328 **origin:** Sudan. **origin institute id:** IS 9956. **other id:** SU 782. **group:** SU. **other id:** B 138. **locality:** Gezira Research Station. Seed.
- PI 571329 **origin:** Sudan. **origin institute id:** IS 9957. **other id:** SU 783. **group:** SU. **other id:** B 141. **locality:** Gezira Research Station. Seed.
- PI 571330 **origin:** Sudan. **origin institute id:** IS 9958. **other id:** SU 784. **group:** SU. **other id:** B 143. **locality:** Gezira Research Station. Seed.
- PI 571331 **origin:** Sudan. **origin institute id:** IS 9959. **other id:** SU 785. **group:** SU. **other id:** B 149. **locality:** Gezira Research Station. Seed.
- PI 571332 **origin:** Sudan. **origin institute id:** IS 9960. **other id:** SU 786. **group:** SU. **other id:** B 174. **locality:** Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571333 **origin:** Sudan. **origin institute id:** IS 9964. **other id:** SU 789. **group:** SU. **other id:** B 182. **locality:** Gezira Research Station. Seed.
- PI 571334 **origin:** Sudan. **origin institute id:** IS 9967. **other id:** SU 792. **group:** SU. **other id:** B 205. **locality:** Gezira Research Station. Seed.
- PI 571335 **origin:** Sudan. **origin institute id:** IS 9968. **other id:** SU 793. **group:** SU. **other id:** B 227. **locality:** Gezira Research Station. Seed.
- PI 571336 **origin:** Sudan. **origin institute id:** IS 9971. **cultivar:** UGANDA I 6. **other id:** SU 795. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571337 **origin:** Sudan. **origin institute id:** IS 9972. **other id:** SU 796. **group:** SU. **other id:** B 262. **locality:** Gezira Research Station. Seed.
- PI 571338 **origin:** Sudan. **origin institute id:** IS 9963. **other id:** SU 788. **group:** SU. **other id:** B 181. **locality:** Gezira Research Station. Seed.
- PI 571339 **origin:** Sudan. **origin institute id:** IS 9977. **cultivar:** FERHODA. **other id:** SU 800. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571340 **origin:** Sudan. **origin institute id:** IS 9979. **other id:** SU 802. **group:** SU. **other id:** TV B6. **locality:** Gezira Research Station. Seed.
- PI 571341 **origin:** Sudan. **origin institute id:** IS 9980. **cultivar:** WAD AKR WHITE. **other id:** SU 803. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571342 **origin:** Sudan. **origin institute id:** IS 9982. **cultivar:** WAD FAHAL. **other id:** SU 805. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571343 **origin:** Sudan. **origin institute id:** IS 9983. **cultivar:** DEBEKRI. **other id:** SU 806. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571344 **origin:** Sudan. **origin institute id:** IS 9985. **cultivar:** MUGUD WHITE. **other id:** SU 807. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571345 **origin:** Sudan. **origin institute id:** IS 9986. **cultivar:** SAFRA. **other id:** SU 808. **group:** SU. **locality:** Gezira Research Station. Seed.

PI 571036 to 571355-continued

- PI 571346 **origin:** Sudan. **origin institute id:** IS 9987. **cultivar:** FETERITA MAATURAK. **other id:** SU 809. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571347 **origin:** Sudan. **origin institute id:** IS 9988. **cultivar:** FETERITA ARIANA. **other id:** SU 810. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571348 **origin:** Sudan. **origin institute id:** IS 9989. **cultivar:** FETERITA SUKHI. **other id:** SU 811. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571349 **origin:** Sudan. **origin institute id:** IS 9990. **cultivar:** ABU 70. **other id:** SU 812. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571350 **origin:** Sudan. **origin institute id:** IS 9991. **cultivar:** DOBBS. **other id:** SU 813. **group:** SU. **locality:** Gezira Research Station. Seed.
- PI 571351 **origin:** Sudan. **origin institute id:** IS 10230. **cultivar:** WAD FAHAL DURRA. **other id:** SU 814. **group:** SU. Seed.
- PI 571352 **origin:** Sudan. **origin institute id:** IS 10233. **cultivar:** MUGUD AHMER. **other id:** SU 815. **group:** SU. Seed.
- PI 571353 **origin:** Sudan. **origin institute id:** IS 10280. **other id:** SU 818. **group:** SU. Seed.
- PI 571354 **origin:** Sudan. **origin institute id:** IS 10281. **other id:** SU 819. **group:** SU. Seed.
- PI 571355 **origin:** Sudan. **origin institute id:** IS 10284. **other id:** SU 822. **group:** SU. Seed.

PI 571356. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

origin: Sudan. **origin institute id:** IS 2039. **other id:** SU 2326. **group:** SU. Seed.

PI 571357 to 571369. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

PI 571357 to 571369-continued

- PI 571357 **origin:** Sudan. **origin institute id:** IS 919. **cultivar:** MUG BUSH WHITE. **other id:** SU 2. **group:** SU. **other id:** FC 4681. **Seed.**
- PI 571358 **origin:** Sudan. **origin institute id:** IS 926. **cultivar:** FETERITA ABU DIREANA. **other id:** SU 7. **group:** SU. **other id:** FC 4742. **Seed.**
- PI 571359 **origin:** Sudan. **origin institute id:** IS 928. **cultivar:** GASSABI ISTRAHANA. **other id:** SU 9. **group:** SU. **other id:** FC 4600. **Seed.**
- PI 571360 **origin:** Sudan. **origin institute id:** IS 942. **cultivar:** GULUM ABIAD. **other id:** SU 20. **group:** SU. **other id:** FC 4565. **Seed.**
- PI 571361 **origin:** Sudan. **origin institute id:** IS 943. **cultivar:** WAD BASHR. **other id:** SU 21. **group:** SU. **other id:** FC 4571. **Seed.**
- PI 571362 **origin:** Sudan. **origin institute id:** IS 944. **cultivar:** KADODOK. **other id:** SU 22. **group:** SU. **other id:** FC 4571. **Seed.**
- PI 571363 **origin:** Sudan. **origin institute id:** IS 945. **cultivar:** WADAKI. **other id:** SU 23. **group:** SU. **other id:** FC 4581. **Seed.**
- PI 571364 **origin:** Sudan. **origin institute id:** IS 950. **cultivar:** MALUK. **other id:** SU 27. **group:** SU. **other id:** FC 4511. **Seed.**
- PI 571365 **origin:** Sudan. **origin institute id:** IS 955. **cultivar:** BIRGALLI AHMER. **other id:** SU 32. **group:** SU. **other id:** FC 4536. **Seed.**
- PI 571366 **origin:** Sudan. **origin institute id:** IS 2023. **other id:** SU 2309. **group:** SU. **Seed.**
- PI 571367 **origin:** Sudan. **origin institute id:** IS 2067. **other id:** SU 2354. **group:** SU. **Seed.**
- PI 571368 **origin:** Sudan. **origin institute id:** IS 2089. **other id:** SU 2376. **group:** SU. **Seed.**
- PI 571369 **origin:** Sudan. **origin institute id:** IS 2091. **other id:** SU 2459. **group:** SU. **Seed.**

PI 571370 to 571374. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

PI 571370 **origin:** Sudan. **origin institute id:** IS 14446. **other id:** SU 853. **group:** SU. **other id:** HD-107. Seed.

PI 571371 **origin:** Sudan. **origin institute id:** IS 14464. **other id:** SU 861. **group:** SU. **other id:** HD-117. Seed.

PI 571372 **origin:** Sudan. **origin institute id:** IS 14474. **other id:** SU 864. **group:** SU. **other id:** HD-119. Seed.

PI 571373 **origin:** Sudan. **origin institute id:** IS 14475. **other id:** SU 865. **group:** SU. **other id:** HD-120. Seed.

PI 571374 **origin:** Sudan. **origin institute id:** IS 14480. **other id:** SU 868. **group:** SU. **other id:** HD-123. Seed.

PI 571375 to 571377. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

PI 571375 **origin:** Sudan. **origin institute id:** IS 14447. **other id:** SU 854. **group:** SU. **other id:** HD-108. Seed.

PI 571376 **origin:** Sudan. **origin institute id:** IS 14476. **other id:** SU 866. **group:** SU. **other id:** HD-121. Seed.

PI 571377 **origin:** Sudan. **origin institute id:** IS 14478. **other id:** SU 867. **group:** SU. **other id:** HD-122. Seed.

PI 571378 to 571391. *Sorghum bicolor* (L.) Moench POACEAE

Donated by: Sotomayor-rios, A., Mayaguez Inst. of Trop. Ag., Box 70, Mayaguez 00708, Puerto Rico. Received June 23, 1993.

PI 571378 **origin:** Sudan. **origin institute id:** IS 939. **cultivar:** BABUSH. **other id:** SU 17. **group:** SU. **other id:** FC 4557. Seed.

PI 571379 **origin:** Sudan. **origin institute id:** IS 953. **cultivar:** CHIKKORI. **other id:** SU 30. **group:** SU. **other id:** FC 4523. Seed.

PI 571380 **origin:** Sudan. **origin institute id:** IS 1324. **cultivar:** FETERITA. **other id:** SU 35. **group:** SU. **other id:** AS 4425. Seed.

PI 571378 to 571391-continued

- PI 571381 origin: Sudan. origin institute id: IS 2080. other id: SU 2367. group: SU. Seed.
- PI 571382 origin: Sudan. origin institute id: IS 2909. other id: SU 108. group: SU. locality: Khartum market. Seed.
- PI 571383 origin: Sudan. origin institute id: IS 3497. cultivar: GAYA 3. other id: SU 174. group: SU. other id: 601. locality: Tozi. Seed.
- PI 571384 origin: Sudan. origin institute id: IS 3577. cultivar: SARA SOBDARAT. other id: SU 240. group: SU. other id: 46. locality: Tozi. Seed.
- PI 571385 origin: Sudan. origin institute id: IS 3599. cultivar: HAMAIS YELLOW. other id: SU 257. group: SU. other id: 39. locality: Tozi. Seed.
- PI 571386 origin: Sudan. origin institute id: IS 4013. source history: India. cultivar: SALAMBA. other id: SU 2402. group: SU. locality: Rohtak. Seed.
- PI 571387 origin: Sudan. origin institute id: IS 4049. source history: India. cultivar: WHITE GOVINDGARH. other id: SU 2422. group: SU. locality: Alwar. Seed.
- PI 571388 origin: Sudan. origin institute id: IS 6913. cultivar: NBERIKA. other id: SU 285. group: SU. other id: 124. Seed.
- PI 571389 origin: Sudan. origin institute id: IS 7055. cultivar: GADAM EL HAMAM. other id: SU 408. group: SU. other id: 541. Seed.
- PI 571390 origin: Sudan. origin institute id: IS 9715. cultivar: BUGARI AHMER. other id: SU 563. group: SU. locality: Gezira Research Station. Seed.
- PI 571391 origin: Sudan. origin institute id: IS 9724. cultivar: FETOUTO SHENDI. other id: SU 572. group: SU. locality: Gezira Research Station. Seed.

Scientific Name Cross Reference

<i>Aegilops cylindrica</i>	568161-568162	<i>Hordeum vulgare</i> subsp. <i>vulgare</i>	566929, 566953, 568246
<i>Aegilops</i> sp.	568163	<i>Koeleria macrantha</i>	568184-568187
<i>Allium sativum</i> var. <i>sativum</i>	568882	<i>Lactuca sativa</i>	566915-566922, 567901, 568252-568253, 570655
<i>Amaranthus cannabinus</i>	568124	<i>Lathyrus hierosolymitanus</i>	567854
<i>Amaranthus caudatus</i>	568132-568153	<i>Lathyrus sativus</i>	567853, 568188-568195
<i>Amaranthus hypochondriacus</i>	568125-568131, 568179	<i>Lens culinaris</i>	567855-567874, 568218-568226
<i>Amaranthus quitensis</i>	568154	<i>Leymus mollis</i>	567896
<i>Apium graveolens</i> var. <i>dulce</i>	570652	<i>Lotus corniculatus</i>	568196-568200, 570669-570678
<i>Arachis hypogaea</i>	566905, 568164-568178	<i>Lycopersicon esculentum</i>	566911-566914
<i>Astragalus cicer</i>	568889	<i>Lycopersicon hybrid</i>	568258-568259
<i>Astragalus hamosus</i>	568180	<i>Medicago monspeliaca</i>	568201
<i>Avena sativa</i>	570656	<i>Medicago ruthenica</i>	568054-568103
<i>Brassica napus</i>	566909-566910, 566932	<i>Medicago sativa</i> subsp. <i>sativa</i>	567894, 568157
<i>Brassica oleracea</i> var. <i>botrytis</i>	566904	<i>Medicago</i> sp.	568202-568205
<i>Bromus stamineus</i>	570657	<i>Melica ciliata</i>	568206, 568886
<i>Carthamus tinctorius</i>	568181, 568780-568881	<i>Melica transsilvanica</i>	568887
<i>Chenopodium berlandieri</i>		<i>Onobrychis</i> sp.	567875
ssp. <i>nuttalliae</i>	568155-568156	<i>Onobrychis viciifolia</i>	568207-568209
<i>Cicer arietinum</i>	567850-567852	<i>Oryza sativa</i>	566928, 568890-568891
<i>Cicer judaicum</i>	568217	<i>Panicum maximum</i>	570664
<i>Cucumis melo</i>	568247	<i>Papaver syriacum</i>	568210-568211
<i>Cynosurus echinatus</i>	568182	<i>Phaseolus vulgaris</i>	566907-566908, 567876-567877, 568237, 570650, 570661
<i>Dactylis glomerata</i>	566935, 568883-568884	<i>Phaseolus vulgaris</i> var. <i>vulgaris</i>	570648, 570651
<i>Digitaria floridana</i>	570646	<i>Phlox drummondii</i>	568248-568251
<i>Elymus</i> sp.	568885	<i>Pisum sativum</i> subsp. <i>sativum</i>	568227-568229, 570649
<i>Festuca arundinacea</i>	566926, 567908, 570659-570660	<i>Poa bulbosa</i>	568212
<i>Festuca longifolia</i>	566934, 567900	<i>Poa pratensis</i>	566906, 566933, 567897
<i>Festuca ovina</i>	568183	<i>Sanguisorba minor</i>	567878, 568213
<i>Festuca rubra</i> var. <i>commutata</i>	567906	<i>Secale cereale</i> subsp. <i>cereale</i>	568104-568117, 568256
<i>Glycine max</i>	566930-566931, 566936-566937, 566955-567148, 567150-567193, 567197-567791, 567902, 567904, 568236, 568238-568245, 568254-568255, 568260-568262, 570653, 570658, 570668	<i>Secale</i> sp.	568118-568123
<i>Glycine soja</i>	567149, 567194-567196	<i>Secale strictum</i>	568257
<i>Gossypium barbadense</i>	566927	<i>Solanum acaule</i>	568892-568912
<i>Gossypium hirsutum</i>	566925, 566941-566952, 567898-567899, 570665-570667	<i>Solanum alandiae</i>	568913
		<i>Solanum albicans</i>	568914-568915
		<i>Solanum albornozii</i>	567812

<i>Solanum ambosinum</i>	568916-	571391	
568917		<i>Stipa sibirica</i>	568888
<i>Solanum andreanum</i>	567813-	<i>Trifolium pratense</i>	566954
567820, 570608-570610		<i>Trigonella foenum-graecum</i>	
<i>Solanum berthaultii</i>	568918-	567879, 568214-568215	
568920		<i>Trigonella</i> sp.	568216
<i>Solanum boliviense</i>	568921	<i>Triticum aestivum</i>	566923-
<i>Solanum brachycarpum</i>	570611	566924, 567907, 570647, 570654	
<i>Solanum buesii</i>	568922	<i>Vicia faba</i>	567881-567893,
<i>Solanum bukasovii</i>	568924-	568230-568235	
568967		<i>Vicia sativa</i>	567880
<i>Solanum candolleanum</i>	568969	X <i>Triticosecale</i> sp.	567905
<i>Solanum cardiophyllum</i>	570612	<i>Zea mays</i> subsp. <i>mays</i>	566938-
<i>Solanum chacoense</i>	568970-	566940, 567792-567794, 567903,	
568972		568158-568160, 570662-570663,	
<i>Solanum chilliasense</i>	567821	570679-570680	
<i>Solanum chomatophilum</i>	568973-		
568979			
<i>Solanum circaeifolium</i>	568980		
<i>Solanum colombianum</i>	567822-		
567838, 570613-570617			
<i>Solanum cuatrecasasii</i>	570618-		
570619			
<i>Solanum etuberosum</i>	568923		
<i>Solanum fendleri</i>	568981		
<i>Solanum flahaultii</i>	570620-		
570621			
<i>Solanum gandarillasii</i>	568982		
<i>Solanum garcia-barrigae</i>	570622		
<i>Solanum infundibuliforme</i>			
568983-568984			
<i>Solanum irosinum</i>	568985		
<i>Solanum juglandifolium</i>	567839,		
570623-570624			
<i>Solanum lobbianum</i>	567840-		
567842			
<i>Solanum matehualae</i>	570625		
<i>Solanum megistacrolobum</i>	568986		
<i>Solanum moscopanum</i>	567843-		
567845, 570626-570634			
<i>Solanum ochranthum</i>	570635		
<i>Solanum orocense</i>	570636		
<i>Solanum paramoense</i>	570637		
<i>Solanum paucijugum</i>	567846		
<i>Solanum phureja</i>	570638		
<i>Solanum regularifolium</i>	567847		
<i>Solanum</i> sp.	570639-570640		
<i>Solanum stoloniferum</i>	568968		
<i>Solanum tarnii</i>	570641-570642		
<i>Solanum tuberosum</i>			
subsp. <i>andigena</i>	567848		
<i>Solanum tuquerrense</i>	567849		
<i>Solanum verrucosum</i>	570643-		
570645			
<i>Sorghum bicolor</i>	567795-567811,		
567895, 567909-568053, 568263-			
568779, 568987-570607, 570681-			

Common Name Cross Reference

Alfalfa	567894,568157	Sweet corn	567792-567794
Annual phlox	568248-568251	Tall fescue	566926,567908, 570659-570660
Barley	566953,568246	Tomato	566911-566914,568258- 568259
Beach wildrye	567896	Turf grass	570646
Bean	566907-566908	Upland cotton	566942-566952
Broadleaf birdsfoot trefoil	570669-570678	Wheat	566923-566924,570647
Bromegrass	570657	White potato	567848
Cauliflower green curded	566904	Wild soybean	567149,567194- 567196
Celery	570652	Winter barley	566929
Chewings fescue	567906		
Cicer milkvetch	568889		
Common bean	570650,570661		
Corn	566938-566940,568158- 568160,570662-570663,570679- 570680		
Cotton	566925,566927,566941, 567898-567899,570665-570667		
Dry bean	568237		
Field corn	567903		
Garden bean	570648,570651		
Garden pea	570649		
Garlic	568882		
Guinea grass	570664		
Hard fescue	566934,567900		
Kentucky bluegrass	566906, 566933,567897		
Lettuce	566915-566922,567901, 568252-568253,570655		
Long-grain rice	568890-568891		
Muskmelon	568247		
Orchardgrass	566935		
Pea	568227-568229		
Peanut	566905,568164-568178		
Potato	567839,570608-570609, 570611-570612,570625,570635, 570639,570641-570645		
Rape	566909-566910,566932		
Red clover	566954		
Rice	566928		
Rye	568104-568123		
Safflower	568780-568881		
Soft red winter wheat	567907, 570654		
Sorghum	568263-568779,568987- 570607		
Soybean	566930-566931,566936- 566937,566955-567148,567150- 567193,567197-567791,567902, 567904,568236,568238-568245, 568254-568255,568260-568262, 570653,570658,570668		
Spring oat	570656		
Spring triticale	567905		