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United States  
Department of  
Agriculture

Agricultural  
Research  
Service

# Plant Inventory No. 202, Part I,

Plant Materials Introduced  
January 1 to March 31, 1993  
Nos. 564686–566903

PLANT MATERIALS INTRODUCED  
JANUARY 1 TO MARCH 31, 1993  
NOS. 564686-566903



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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.

Other contributors to the inventory included J.M. Ceresa, K.F. Endress, Q.P. Sinnott, and A.K. Stoner.

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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 564686. *Medicago sativa* L. FABACEAE

**Donated by:** Yen, S.T., Dairyland Res. Int'l., Route 1, Box 51, Clinton, Wisconsin 53525, United States. Received January 04, 1993.

**origin:** United States. **origin institute:** Dairyland Seed Company, Inc., Wisconsin United States. **cultivar:** MAGNUM. **other id:** PVP 7900023. **source:** Certificate in force. **group:** PVPO. **patent:** PVPO. **remarks:** Info. based on data submitted to "Alfalfa Variety Review Board". Moderately winter hardy alfalfa. Highly resistant to bacterial wilt. Moderately resistant to spotted alfalfa aphid, pea aphid and anthracnose. Similar to Saranac. Perennial. Cultivar. Seed.

PI 564687. *Phalaris aquatica* L. POACEAE

**Donated by:** Pedersen, J.F., Auburn University, Dept. of Agronomy & Soils, Auburn, Alabama 36849, United States. Received January 04, 1993.

**origin:** United States. **developed:** J.F. Pedersen, C.S. Hoveland, R.L. Haaland, C.D. Berry. **origin institute:** Alabama Agr. Exp. Sta., Auburn University, Auburn, Alabama 36849 United States. **cultivar:** AU OASIS. **pedigree:** 8 clone synthetic originating from the following sources: one each from PI 240280, PI 236482, PI 240284, PI 219636, PI 240242, two from PI 207960, and one from PS-68-264. **other id:** CV-84. **source:** Crop Sci. 23(3):597 1983. **group:** CSR-OTHER GRASSES. **other id:** PVP 8900076. **source:** Certificate in force. **group:** PVPO. **patent:** PVPO. **remarks:** Winter forage yields in Alabama avg. 41% more than Kentucky 31 tall fescue (*Festuca arundinacea*) with differences being greatest at locations in southern part of State. Bunch type growth & summer dormancy creates less competition with Ladino clover during stress periods than Kentucky 31. Dry matter digestibility during autumn & winter declines after inflorescence emergence in spring & ranges from 63-74%. Crude protein ranges from 17-25%. Avg. daily gain of beef steers avg. 0.78kg/ha over 3 year period. Best adapted S of Latitude 33 degrees N & northward in mild coastal areas. Perennial. Cultivar. Seed.

PI 564688. *Hordeum vulgare* L. subsp. *vulgare* POACEAE Barley

**Donated by:** Ontario Res. Sta. -- Agriculture Canada, University of Guelph, Dept. of Crop Science, Guelph, Ontario N1G 2W1, Canada. Received January 04, 1993.

PI 564688-continued

**origin:** Canada. **developed:** D.E. Falk, K.J. Kasha.  
**origin institute:** Agriculture Canada, University of  
Guelph, Dept. of Crop Science, Guelph, Ontario N1G 2W1  
Canada. **origin institute id:** GBC695. **cultivar:** GBC695.  
**pedigree:** Shrunken endosperm, genetic male sterile line  
developed after studies closely linked genes located near  
the centromere of Chromosome 6. **other id:** GP-59.  
**source:** Crop Sci. 22(2):450 1982. **group:** CSR-BARLEY.  
**remarks:** Germplasm source of the o sex1 msg6 gene block.  
May be introduced into crosses or populations to permit  
presowing selection of seeds which will produce male  
sterile plants for crossing or hybridization purposes. F5  
bulk from heterozygous plants (sex1 msg6 Uc2/Sex1 Msg6  
uc2) and is homozygous for orange lemma. Also  
heterozygous for other traits such as 2-rowed and 6-rowed  
spikes and blue and white aleurone. Breeding Material.  
Seed.

PI 564689 to 564690. *Trifolium pratense* L. FABACEAE Red clover

**Donated by:** Northrup King Company, United States. Received January  
04, 1993.

PI 564689 **origin:** United States. **developed:** Northrup King Company.  
**cultivar:** FLOREX. **other id:** PVP 7700013. **source:**  
Certificate in force. **group:** PVPO. **patent:** PVPO.  
Cultivar. Seed.

PI 564690 **origin:** United States. **developed:** Northrup King Company.  
**cultivar:** TRISTAN. **other id:** PVP 7900041. **source:**  
Certificate in force. **group:** PVPO. **patent:** PVPO.  
Cultivar. Seed.

PI 564691. *Gossypium hirsutum* L. MALVACEAE Cotton

**Donated by:** Terra International, Inc., United States. Received  
January 08, 1993.

**origin:** United States. **origin institute:** Terra  
International, Inc. United States. **cultivar:** TERRA 292.  
**other id:** PVP 9200150. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 564692. *Arrhenatherum elatius* (L.) P. Beauv. ex J. S. Presl & C.  
Presl POACEAE

**Donated by:** Ray, L.L., Quicksand Plant Materials Center, USDA-SCS, University Drive, Quicksand, Kentucky 41363-9999, United States.  
**remarks:** Rec'd thru National Plant Materials Center, USDA-SCS, Bldg. 509, BARC-East, Beltsville, MD 20705. Received January 04, 1993.

**origin:** United States. **origin institute:** Quicksand Plant Materials Center, USDA-SCS, University Drive, Quicksand, Kentucky 41363-9999 United States. **cultivar:** AREL3.  
**pedigree:** Cross of 202273(Chile), 233818(Italy) and 234439(Belgium). **other id:** 9061649. **remarks:** Dark green, leafy, good resistance to rust & leaf spot diseases. Begins spring regrowth several weeks earlier than tall fescue. Harvests taken as late as 12/27, without hurting stands. More productive during hot summer months than other cool-season forages. Can be grazed in Feb. or March during milder winters. Easily established, excellent reseeded. Cover & forage plant for surface mines & marginal low-fertility hillside pastures. Short-term cover on mined sites with low-fertility levels. Especially adapted to droughty soils in the Appalachian region. Perennial. Cultivated. Seed.

PI 564693. *Pisum sativum* L. FABACEAE Pea

**Donated by:** Del Monte Corporation, United States. Received January 08, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-21. **other id:** PVP 9300045. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564694. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Ciba-Geigy Seeds Division, United States. Received January 08, 1993.

**origin:** United States. **origin institute:** Ciba-Geigy Seeds Division United States. **cultivar:** 3602. **other id:** PVP 9300046. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564695. *Pisum sativum* L. FABACEAE Pea

**Donated by:** Pure Line Seeds, Inc., United States. Received January 08, 1993.

PI 564695-continued

**origin:** United States. **origin institute:** Pure Line Seeds, Inc. United States. **cultivar:** STYLE. **other id:** PVP 9300047. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564696. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** ICI Americas Inc., United States. Received January 08, 1993.

**origin:** United States. **origin institute:** ICI Americas Inc. United States. **cultivar:** ICI 530. **other id:** PVP 9300048. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564697. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** ICI Americas Inc., United States. Received January 08, 1993.

**origin:** United States. **origin institute:** ICI Americas Inc. United States. **cultivar:** ICI 581. **other id:** PVP 9300049. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564698. *Brassica oleracea* var. *botrytis* L. BRASSICACEAE  
Cauliflower

**Donated by:** Tanimura & Antle, Inc., United States. Received January 08, 1993.

**origin:** United States. **origin institute:** Tanimura & Antle, Inc. United States. **cultivar:** K-TEE. **other id:** PVP 9300050. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564699. *Trifolium repens* L. FABACEAE White clover

**Donated by:** Tohoku National Agr. Exp. Sta., Ministry of Agriculture, Forestry and Fisheries, Japan. Received January 08, 1993.

**origin:** Japan. **origin institute:** Tohoku National Agr. Exp. Sta., Ministry of Agriculture, Forestry and Fisheries Japan. **cultivar:** MINEOOHA. **other id:** PVP 9300051. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.



PI 564700. *Triticum aestivum* L., nom. cons. POACEAE Common wheat

**Donated by:** The Andersons, United States. Received January 08, 1993.

**origin:** United States. **origin institute:** The Andersons United States. **cultivar:** KARENA. **other id:** PVP 9300052. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564701. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Del Monte Corporation, United States. Received January 08, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 04-33. **other id:** PVP 9300053. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564702. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Del Monte Corporation, United States. Received January 08, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 08-47. **other id:** PVP 9300054. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564703. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Del Monte Corporation, United States. Received January 08, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 06-26. **other id:** PVP 9300055. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564704. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received January 08, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-04. **other id:** PVP 9300056. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564705. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received January 08, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-26. **other id:** PVP 9300057. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564706. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received January 08, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-68. **other id:** PVP 9300058. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564707. *Poa pratensis* L. POACEAE Kentucky bluegrass

**Donated by:** Seed Research of Oregon, Inc., Oregon, United States. Received January 08, 1993.

**origin:** United States. **origin institute:** Seed Research of Oregon, Inc., Oregon United States. **cultivar:** SR 2000. **other id:** PVP 9300059. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564708. *Gossypium hirsutum* L. MALVACEAE Cotton

**Donated by:** Delta & Pine Land Company, United States. Received January 08, 1993.

**origin:** United States. **origin institute:** Delta & Pine Land Company United States. **cultivar:** 5681. **other id:** PVP 9300060. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564709. *Sinapis alba* L. BRASSICACEAE Mustard

**Donated by:** Petersen, P.H., Saatzucht, Germany. Received January 08, 1993.

**origin:** Germany. **origin institute:** Saatzucht Germany. **cultivar:** METEX. **other id:** PVP 9300061. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564710. *Phacelia tanacetifolia* Benth. HYDROPHYLLACEAE *Phacelia*

**Donated by:** Petersen, P.H., Saatzucht, Germany. Received January 08, 1993.

**origin:** Germany. **origin institute:** Saatzucht Germany.  
**cultivar:** AMERIGO. **other id:** PVP 9300062. **source:**  
Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564711. *Raphanus sativus* L. BRASSICACEAE Fodder radish

**Donated by:** Petersen, P.H., Saatzucht, Germany. Received January 08, 1993.

**origin:** Germany. **origin institute:** Saatzucht Germany.  
**cultivar:** ADAGIO. **other id:** PVP 9300063. **source:**  
Pending. **group:** PVPO. **patent:** PVPO. **received as:**  
*Raphanus sativus* var. *oleiformis*. Cultivar. Seed.

PI 564712. *Raphanus sativus* L. BRASSICACEAE Fodder radish

**Donated by:** Petersen, P.H., Saatzucht, Germany. Received January 08, 1993.

**origin:** Germany. **origin institute:** Saatzucht Germany.  
**cultivar:** VIKING. **other id:** PVP 9300064. **source:**  
Pending. **group:** PVPO. **patent:** PVPO. **received as:**  
*Raphanus sativus* var. *oleiformis*. Cultivar. Seed.

PI 564713. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received January 08, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred  
International, Inc. United States. **cultivar:** 9692.  
**other id:** PVP 9300065. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 564714. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received January 08, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred  
International, Inc. United States. **cultivar:** 9584.  
**other id:** PVP 9300066. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 564715. *Citrullus lanatus* (Thunb.) Matsum. & Nakai CUCURBITACEAE  
Watermelon

**Donated by:** Higgins Farms, Inc., United States. Received January  
08, 1993.

**origin:** United States. **origin institute:** Higgins Farms,  
Inc. United States. **cultivar:** NAVAJO SWEET. **other id:**  
PVP 9300067. **source:** Pending. **group:** PVPO. **patent:**  
PVPO. Cultivar. Seed.

PI 564716 to 564717. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** York, J.O., Arkansas Agr. Exp. Sta., University of  
Arkansas, Fayetteville, Arkansas 72701, United States. Received  
January 19, 1993.

PI 564716 **origin:** United States. **developed:** J.O. York. **origin  
institute:** Arkansas Agr. Exp. Sta., University of  
Arkansas, Fayetteville, Arkansas 72701 United States.  
**cultivar:** AR200. **pedigree:** NC1330/Tx501. **remarks:**  
Yellow line with red cob. Produces two ears as an inbred.  
Good seed producer. Excellent pollen producer. Hybrids  
have good shuck coverage and strong stalks. Early AES1000  
maturity inbred. Averaged 195cm in height with ear height  
70cm. Annual. Breeding Material. Seed.

PI 564717 **origin:** United States. **developed:** J.O. York. **origin  
institute:** Arkansas Agr. Exp. Sta., University of  
Arkansas, Fayetteville, Arkansas 72701 United States.  
**cultivar:** AR214. **pedigree:** B57/a floury - 2 line//B57.  
**remarks:** Yellow line with red cob. Floury - 2 line. Late  
AES800 maturity line. Similar to B57 in resistance or  
susceptibility. Averaged 165cm in height with an ear  
height of 64cm. Annual. Breeding Material. Seed.

PI 564718. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** St. Martin, S.K., Ohio Agric. Res. & Dev. Ctr., Ohio  
State University, Wooster, Ohio 44691, United States. **remarks:**  
Thorne Soybean. Received January 19, 1993.

PI 564718-continued

**origin:** United States. **developed:** B.A. McBlain, R.J. Fioritto, S.K. St. Martin, A.J. Calip-DuBois, A.F. Schmitthenner, R.L. Cooper, R.J. Martin. **origin institute:** Ohio Agric. Res. & Dev. Ctr., Ohio State University, Dept. of Agronomy, Wooster, Ohio 44691 United States. **cultivar:** Thorne. **pedigree:** F5-derived line from A80-344003 X A3127BC3F2-1. **other id:** PVP 9300097. **source:** Pending. **group:** PVPO. **other id:** CV-306. **source:** Crop Sci. 33(6):1406 1993. **group:** CSR-SOYBEAN. **restricted:** CSR. **patent:** PVPO. **remarks:** Indeterminate, mid-maturity group III cultivar, generally adapted from 39 to 41 degrees N Lat. Has the Rps1-k gene for resistance to phytophthora rot (*Phytophthora sojae*). Moderately resistant to brown stem rot (*Phialophora gregata*). Flowers white. Pubescence tawny. Seed dull yellow with black hila. Annual. Cultivar. Seed.

PI 564719. *Lens culinaris* Medikus FABACEAE

**Donated by:** Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States. Received January 08, 1993.

**origin:** United States. **developed:** V.E. Wilson. **origin institute:** USDA-ARS, Washington State University, Pullman, Washington 99164 United States. **cultivar:** BENEWAH. **other id:** W6 11163. **group:** W6. **remarks:** Developed for yield in the nineteen eighties, but never released as a cultivar because other cultivars were better. Cultivar. Seed.

PI 564720. *Hordeum vulgare* L. subsp. *vulgare* POACEAE Barley

**Donated by:** Ambrose, M.J., AFRC Cereals Collection, John Innes Institute, Colney Lane, Norwich, England NR4 7UH, United Kingdom. Received January 12, 1993.

**origin:** United Kingdom. **cultivar:** GIMPEL. Cultivar. Seed.

PI 564721. *Hordeum vulgare* L. subsp. *vulgare* POACEAE Barley

**Donated by:** Lehman, C., Akademie der Wissenschaften der DDR, Institute for Genetics & Plant Science, Correnstrasse 3, Gatersleben 4325, Germany. Received January 12, 1993.

PI 564721-continued

**origin:** Germany. **cultivar:** BLAETTERKINDER. **collector:** Zentralinstitut für Genetik und Kulturpflanzenforschung, Gatersleben. **collector id:** HOR 1662. **remarks:** Resistant to *Puccinia striiformis* race 24 in DDR. Cultivar. Seed.

PI 564722. *Avena nuda* L. POACEAE Naked oat

**Donated by:** Muller, K.J., Gesellschaft zur Förderung, goetheanistischer Forschung E.V., Breese 1, D-2121, Nahrendorf, Germany. Received January 12, 1993.

**origin:** Germany. **developed:** K.J. Muller. **origin institute:** Gesellschaft zur Förderung G. Forschung, Breese 1, Nahrendorf D-2121 Germany. **cultivar:** NUSSO. **remarks:** Free-threshing with very few adhering hulls. Developed from material obtained from Dr. E.V. Kittlitz, University of Hohenheim. Cultivar. Seed.

PI 564723. *Avena sativa* L. POACEAE Common oat

**Donated by:** White, G.A., USDA-ARS-NGRL, Plant Introduction Office, Bldg. 003, Rm. 409, BARC-West, Beltsville, Maryland 20705-2350, United States. Received January 12, 1993.

**donor id:** 91-Bol-7. **origin:** Bolivia. **collected:** August 27, 1991. **locality:** Lope Mendoza, Tiraque. Landrace. Seed.

PI 564724 to 564726. *Avena sativa* L. POACEAE Common oat

**Donated by:** Benvenuti, A., Dipartimento di Agronomia, Università degli Studi di Pisa, Italy. **remarks:** Received thru S. Michele degli Scalzi, 2, 56124, Pisa, Italy. Received January 12, 1993.

PI 564724 **origin:** Italy. **origin institute:** Istituto di Agronomia, Coltivazioni Erbacee, Università degli Studi di Pisa, Pisa Italy. **cultivar:** ARGENTINA. **pedigree:** Selection from germplasm obtained from Argentina. **remarks:** Released September 29, 1969. Cultivar. Seed.

PI 564725 **origin:** Italy. **origin institute:** Istituto di Agronomia e, Coltivazioni Erbacee, Università degli Studi di Pisa, Pisa Italy. **cultivar:** LIDIA. **pedigree:** Selection from germplasm obtained from I.C.A., Colombia. **remarks:** Released November 4, 1982. Cultivar. Seed.

PI 564724 to 564726-continued

PI 564726 **origin:** Italy. **origin institute:** Istituto di Agronomia, Coltivazioni Erbacee, Universita degli Studi di Pisa, Pisa Italy. **cultivar:** OMBRONE. **remarks:** Released January 28, 1972. Cultivar. Seed.

PI 564727. X Triticosecale sp. POACEAE Triticale

**Donated by:** Kolding, M.F., Oregon Agr. Exp. Sta., 1910 SW 44, Pendleton, Oregon 97801-4221, United States. Received January 12, 1993.

**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, 1910 SW 44, Pendleton, Oregon 97801 United States. **origin institute id:** FT91050. **source history:** Original breeder R.J. Metzger, retired, USDA-ARS, AES-OSU, Corvallis, Oregon, 97331-2201. **cultivar:** BOB. **pedigree:** Daws/Antelope/A-876 ('Jenkins'). **other id:** 8046. **other id:** M81-8046. **remarks:** Mid-tall, stiff-strawed, prostrate winter-habit. Neck glabrous. Spike oblong, lax, inclined persistent to 1% erect. Glume white, glabrous, mid-long, narrow, shoulder narrow, oblique. Beak narrow acuminate. Kernel brown, mid-long, soft, elliptical. Germ mid-size. Crease mid-wide, mid-deep. Cheeks rounded. Brush large, long. Very limited establishment of pseudomonas or xanthomonas bacteria. General resistance to BYDV, Pseudomonas, Xanthomonas, foliar and root diseases. Breeding Material. Seed.

PI 564728 to 564737. Hordeum vulgare L. POACEAE Winter barley

**Donated by:** Kolding, M.F., Oregon Agr. Exp. Sta., 1910 SW 44, Pendleton, Oregon 97801-4221, United States. Received January 12, 1993.

\* PI 564728 Hordeum vulgare L. subsp. vulgare POACEAE Winter barley  
**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **origin institute id:** FB73216-006. **pedigree:** Alpine/Belts. 69-738, Jotun/4\* Hudson. **remarks:** Winter, stiff-straw, mid-short, mid-late. Spike-lax, six-row, rough awned. Basal rachis short, straight. Collar mixed, open/closed. Glume awn normal. Rachis edge normal long hairs. Kernel covered, white. Aleurone blue. Lemma hairs wanting. Rachilla short-haired, normal. Rachis tends to be brittle. Good BYDV, soil borne disease tolerance. Adapted to irrigation. Breeding Material. Seed.

- \* PI 564729 *Hordeum vulgare* L. subsp. *vulgare* POACEAE Winter barley  
**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **origin institute id:** FB73217-D01.  
**pedigree:** Alpine/Belts. 68-1285, Jotun/4\* Dayton.  
**remarks:** Winter, stiff-straw, mid-short, mid-late. Spike dense, six-row, rough-awned. Basal rachis short-straight. Collar various. Glume awn normal. Rachis fragil, edge normal, long-haired. Kernel covered, white. Aleurone white. Rachilla short-haired, normal. Lemma base depression. Good BYDV tolerance. Adaptation to irrigation. Breeding Material. Seed.
- \* PI 564730 *Hordeum vulgare* L. subsp. *vulgare* POACEAE Winter barley  
**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **origin institute id:** FB73607-D04.  
**pedigree:** Jotun/4\* Dayton, Belts. 68-1285/Astrix.  
**remarks:** Winter, stiff-straw, mid-short, mid-season. Spike-dense, six-row, rough-awned. Basal rachis short-straight. Collar open. Glume awn normal. Rachis edge normal-long hairs. Kernel covered-white. Aleurone blue. Lemma hairs wanting. Rachilla short-haired, normal. Lemma base tending to depression. Good BYDV and soil-borne disease tolerance. Adaptation irrigation. Moderately cold hardy. Breeding Material. Seed.
- \* PI 564731 *Hordeum vulgare* L. subsp. *vulgare* POACEAE Winter barley  
**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **origin institute id:** FB73607-D033.  
**pedigree:** Jotun/4\*Dayton, Belts. 68-1285/Astrix.  
**remarks:** Winter, stiff-straw, medium height, mid-late. Spike lax, six-row, rough-awned. Basal rachis short, straight. Collar closed and Vee shaped. Glume awn normal. Rachis persistent, edge normal, long hair. Kernel covered white. Aleurone white. Rachilla short-haired, normal. Lemma base depression. Good BYDV tolerance. Adapted to north-central Oregon irrigation and early planting. Moderately winter hardy. Breeding Material. Seed.



PI 564728 to 564737-continued

- \* PI 564732 *Hordeum vulgare* L. subsp. *vulgare* POACEAE Winter barley  
**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **origin institute id:** FB73610-26.  
**pedigree:** OH B67-23/Lakeland. **remarks:** Winter, stiff-straw, medium height, mid-early. Spike-lax, six-row, rough-awned. Basal rachis short, straight. Collar various. Glume awn normal. Rachis persistent, edge short haired. Kernel covered, white. Aleurone white to blue. Lemma lateral nerves prominent. Rachilla short haired, normal. Lemma base depression. Generally adapted to irrigation, sandy soils. Good BYDV and soil borne disease tolerance. Moderately cold hardy. Breeding Material. Seed.
- \* PI 564733 *Hordeum vulgare* L. subsp. *vulgare* POACEAE Winter barley  
**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **origin institute id:** FB73637-06.  
**pedigree:** Luther/Hiproly. **remarks:** Winter, stiff-straw, mid-height, mid-season. Spike dense, six-row, rough-awned. Basal rachis short, straight. Collar various. Glume awn normal. Rachis edge normal, long hairs. Kernel covered, white. Aleurone white. Lemma hairs wanting. Rachilla short haired, normal. Lemma base transverse crease. Good BYDV and root disease tolerance. Adapted to sandy soils irrigation and early fall planting. Moderately cold hardy. Breeding Material. Seed.
- \* PI 564734 *Hordeum vulgare* L. subsp. *vulgare* POACEAE Winter barley  
**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **origin institute id:** FB74490-01.  
**pedigree:** Beta Ketsoros, CI 12979/2/IL62-19, CI 11896/Luther. **remarks:** Winter, stiff-straw, mid-tall, mid-season. Spike dense, six-row, rough-awned. Basal rachis short, straight. Collar closed. Glume awn normal. Rachis edge normal, long hairs. Kernel covered, white. Aleurone blue. Lemma base depression. Good BYDV and root disease tolerance. Adapted to early fall planting, dry soils. Hardy, drought tolerant. Breeding Material. Seed.

- \* PI 564735 *Hordeum vulgare* L. subsp. *vulgare* POACEAE Winter barley  
**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **origin institute id:** FB741139. **pedigree:** Jotun/4\*Hudson, Belts. 68-739/Boyer/2/Ione/Luther. **remarks:** Winter, stiff-straw, mid-height, mid-late. Spike dense, six-row, rough-awned. Basal rachis short, straight. Collar various. Glume awn normal. Rachis near fragil, edge normal, long-hair. Kernel covered, white. Aleurone blue. Rachilla short haired, normal. Lemma base transverse crease. Good BYVD tolerance. Adapted to irrigation. Good winter survival. Breeding Material. Seed.
- \* PI 564736 *Hordeum vulgare* L. subsp. *vulgare* POACEAE Winter barley  
**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **origin institute id:** FB75038-01. **pedigree:** Jaydee/4\*Hudson, Belts. 67-1608, CI 15393/Schuyler/3/Dictoo/ Cascade/2/Hiproly. **remarks:** Winter, stiff-straw, mid-short, mid-late. Spike dense, six-row, rough-awned. Basal rachis short, straight. Collar various. Glume awn normal. Rachis persistent, edge normal, long hairs. Kernel covered, white. Aleurone white. Lemma lateral nerves, sparse hair to none. Rachilla short haired, normal. Good BYDV tolerance. Adapted to irrigation. Moderate cold tolerance. Breeding Material. Seed.
- \* PI 564737 *Hordeum vulgare* L. subsp. *vulgare* POACEAE Winter barley  
**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **origin institute id:** FB75Herm. **pedigree:** Selection from early sown F-3 bulk (August 31). **remarks:** Winter, stiff-straw, mid-height, late. Spike lax, six-row, rough-awned. Basal rachis straight, short. Collar open. Glume awn normal. Rachis edge normal, long hairs. Kernel covered, white. Aleurone white. Lemma lateral nerves short, hairy. Rachilla short hair, normal. Lemma base tending to depression. Good BYDV and root disease tolerance. Adapted to irrigation and early planting. Winter survival good. Breeding Material. Seed.

PI 564738. X *Triticosecale* sp. POACEAE Triticale

**Donated by:** Kolding, M.F., Oregon Agr. Exp. Sta., 1910 SW 44, Pendleton, Oregon 97801-4221, United States. Received January 12, 1993.

PI 564738-continued

**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Pendleton, Oregon United States. **origin institute id:** FT91062. **source history:** Original breeder R. J. Metzger, retired, USDA-ARS, AES-OSU, Corvallis, Oregon 97331-2201. **cultivar:** CELIA. **pedigree:** Selection from EMS treated cross of B163/A876//B164/A876. **other id:** FT87713. **other id:** B86-3335. **other id:** M83-6039. **remarks:** Mid-tall, mid-early, winter, chaff white. Glume awns near equal length. Spike long, lax, near oblong, tends to nod, near erect to 1% of stand. Rachis persistent, edge pubescent, neck pubescent. Glume short pubescent, narrow, mid-long. Shoulder narrow to wanting. Beak narrow, acute to 3mm long. Kernel mid-long, soft, light brown, elliptical. Germ medium. Crease wide, deep, angular. Brush mid-size, mid-long. Breeding Material. Seed.

PI 564739. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Rogers NK Seed Company, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** Rogers NK Seed Company United States. **cultivar:** HB 324-1-2-3. **other id:** PVP 9300069. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564740. *Gossypium hirsutum* L. MALVACEAE Cotton

**Donated by:** Stoneville Pedigreed Seed Company, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** Stoneville Pedigreed Seed Company United States. **cultivar:** ST 132. **other id:** PVP 9300070. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564741. *Vigna unguiculata* (L.) Walp. FABACEAE Cowpea

**Donated by:** Great Plains Research Company, Inc., United States. Received January 22, 1993.

**origin:** United States. **origin institute:** Great Plains Research Company, Inc. United States. **cultivar:** CAROLINA SUGAR. **other id:** PVP 9300071. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564742. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Jacob Hartz Seed Company, Inc., United States. Received January 22, 1993.

**origin:** United States. **origin institute:** Jacob Hartz Seed Company, Inc. United States. **cultivar:** H608. **other id:** PVP 9300072. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564743. *Hordeum vulgare* L. subsp. *vulgare* POACEAE Barley

**Donated by:** Rasmusson, D.C., Minnesota Agr. Exp. Sta., University of Minnesota, St. Paul, Minnesota 55108, United States. **remarks:** Stander Barley. Received January 22, 1993.

**origin:** United States. **developed:** D.C. Rasmusson, R.D. Wilcoxson, J.V. Wiersma. **origin institute:** Minnesota Agric. Exp. Station, University of Minnesota, Dept. of Agronomy & Plant Genetics, St. Paul, Minnesota 55108 United States. **cultivar:** STANDER. **pedigree:** Excel//Robust/Bumper. **other id:** PVP 9300074. **source:** Pending. **group:** PVPO. **other id:** CV-236. **source:** Crop Sci. 33(6):1403 1993. **group:** CSR-BARLEY. **restricted:** CSR. **patent:** PVPO. **remarks:** Six-row, smooth-awn barley. Aleurone white. Rachilla hair short. Similar to Excel in ht. (about 81cm). 6cm shorter than Robust. 1-2 days later heading than Robust. 6% higher yielding than Robust in 32 Minn. trails & a high percentage of plump kernels. Resistant to spot blotch (*Bipolaris sorokiniana* & stem rust (*Puccinia graminia* var. *tritici*)). Some tolerance to net blotch (*Pyrenophora teres*). Susceptible to loose smut (*Ustilago tritici*). Similar or superior to Morex in malting quality. 36% higher in alpha-amylase & 1.2% above extract when compared to Morex. Cultivar. Seed.

PI 564744. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Nunhems Seed Corporation, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** Nunhems Seed Corporation United States. **cultivar:** NUN 1040. **other id:** PVP 9300076. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564745. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Jacob Hartz Seed Company, Inc., United States. Received January 22, 1993.

PI 564745-continued

**origin:** United States. **origin institute:** Jacob Hartz Seed Company, Inc. United States. **cultivar:** H6397. **other id:** PVP 9300077. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564746. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Nunhems Seed Corporation, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** Nunhems Seed Corporation United States. **cultivar:** NUN 1844. **other id:** PVP 9300078. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564747. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Nunhems Seed Corporation, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** Nunhems Seed Corporation United States. **cultivar:** NUN 1889. **other id:** PVP 9300079. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564748. *Zea mays* L. subsp. *mays* POACEAE Field corn

**Donated by:** DEKALB Plant Genetics, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** MBWZ. **other id:** PVP 9300081. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564749. *Zea mays* L. subsp. *mays* POACEAE Field corn

**Donated by:** DEKALB Plant Genetics, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** AQA3. **other id:** PVP 9300082. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564750. Zea mays L. subsp. mays POACEAE Field corn

**Donated by:** DEKALB Plant Genetics, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** 91IFC2. **other id:** PVP 9300083. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564751. Zea mays L. subsp. mays POACEAE Field corn

**Donated by:** DEKALB Plant Genetics, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** 2FADB. **other id:** PVP 9300084. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564752. Zea mays L. subsp. mays POACEAE Field corn

**Donated by:** DEKALB Plant Genetics, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** MM501D. **other id:** PVP 9300085. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564753. Zea mays L. subsp. mays POACEAE Field corn

**Donated by:** DEKALB Plant Genetics, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** 3IJ11. **other id:** PVP 9300086. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564754. Zea mays L. subsp. mays POACEAE Field corn

**Donated by:** DEKALB Plant Genetics, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** 3IIH6. **other id:** PVP 9300087. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564755. *Zea mays* L. subsp. *mays* POACEAE Field corn

**Donated by:** DEKALB Plant Genetics, United States. Received January 22, 1993.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** LH183. **other id:** PVP 9300088. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564756. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** W. Brotherton Seed Company, Inc., United States. Received January 22, 1993.

**origin:** United States. **origin institute:** DEKALB Plant Genetics, W. Brotherton Seed Company, Inc. United States. **cultivar:** RAINIER. **other id:** PVP 9300089. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564757 to 564759. *Beta vulgaris* L. CHENOPODIACEAE Sugarbeet

**Donated by:** Lewellen, R.T., Agricultural Research Service -- USDA, Sugarbeet Production Research Unit, Salinas, California 93905, United States; and Beet Sugar Development Foundation; and California Beet Growers Association. **remarks:** C790-6, C790-15, C790-54 Sugarbeet Parental Lines. Received January 21, 1993.

PI 564757 **origin:** United States. **developed:** R.T. Lewellen. **origin institute:** Agricultural Research Service -- USDA, Sugarbeet Production Research Unit, U.S. Agric. Res. Sta., 1636 E Alisal St., Salinas, California 93905 United States. **cultivar:** C790-6. **pedigree:** Increased from S1 progeny from popn-790(C4). **other id:** F92-790-6. **other id:** 2790-6. **other id:** PL-34. **source:** Crop Sci. 34(1):319 1994. **group:** CSR-SUGARBEEET. **restricted:** CSR. **remarks:** Monogerm (mm), O-type, self-fertile (Sf) line that segregates for hypocotyl color (R:rr) and genetic male sterility (A:aa). Predominantly red and fertile. Has adaptation to California and good GCA for sugar yield. Moderately resistant to bolting, curly top virus, powdery mildew (*Erysiphe polygoni*) and virus yellows. Biennial. Breeding Material. Seed.

PI 564757 to 564759-continued

PI 564758 **origin:** United States. **developed:** R.T. Lewellen. **origin institute:** Agricultural Research Service -- USDA, Sugarbeet Production Research Unit, U.S. Agric. Res. Sta., 1636 E Alisal St., Salinas, California 93905 United States. **cultivar:** C790-15. **pedigree:** Increased from S1 progeny from popn-790(C4). **other id:** F92-790-15. **other id:** 2790-15. **other id:** PL-35. **source:** Crop Sci. 34(1):319 1994. **group:** CSR-SUGARBEET. **restricted:** CSR. **remarks:** Monogerm (mm), O-type, self-fertile (Sf) line that segregates for hypocotyl color (R:rr) and genetic male sterility (A:aa). Predominantly red and fertile. Has adaptation to California and high GCA for sugar yield. Highly resistant to powdery mildew (*Erysiphe polygoni*). Moderately resistant to bolting, curly top virus, and virus yellows. Biennial. Breeding Material. Seed.

PI 564759 **origin:** United States. **developed:** R.T. Lewellen. **origin institute:** Agricultural Research Service -- USDA, Sugarbeet Production Research Unit, U.S. Agric. Res. Sta., 1636 E Alisal St., Salinas, California 93905 United States. **cultivar:** C790-54. **pedigree:** Increased from S1 progeny from popn-790(C4). **other id:** F92-790-54. **other id:** 2790-54. **other id:** PL-36. **source:** Crop Sci. 34(1):319 1994. **group:** CSR-SUGARBEET. **restricted:** CSR. **remarks:** Monogerm (mm), O-type, self-fertile (Sf), red (RR) hypocotyl line that segregates for genetic male sterility (A:aa). Predominantly fertile. Develops red petioles and dark green canopy. Adaptation to California and good GCA for sugar yield. Moderately resistant to bolting, curly top virus, powdery mildew (*Erysiphe polygoni*), and virus yellows. Biennial. Breeding Material. Seed.

PI 564760. X *Triticosecale* sp. POACEAE Triticale

**Donated by:** Kolding, M.F., Oregon Agr. Exp. Sta., 1910 SW 44, Pendleton, Oregon 97801, United States. Received January 07, 1993.



**origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, 1910 SW 44, Pendleton, Oregon 97801 United States. **origin institute id:** B81-420. **cultivar:** PARMA. **pedigree:** Kiss//193-803/358. **other id:** B81-420-S006. **remarks:** Mid-tall, winter, mid-season, neck pubescent. Spike lax, linear, fusiform, awned, inclined. Glume cream, glabrous, mid-long, narrow. Shoulder narrow, apiculate. Beak narrow, acuminate, to 5mm. Awns white to 40mm. Kernel brown, mid-long, soft, elliptical Germ small. Crease wide, deep, angular. Brush large, long. High lysine. Special adaptation to Treasure Valley area of southern Idaho. Original cross made by CIMMYT, Mexico. Cultivar. Seed.

PI 564761 to 564762. *Triticum aestivum* L., nom. cons. POACEAE Winter wheat

**Donated by:** Bruckner, P.L., Dept. of Plant & Soil Science, Montana State University, Bozeman, Montana 59717, United States. Received January 22, 1993.

PI 564761 **origin:** United States. **origin institute:** Montana Agric. Exp. Station, Bozeman, Montana United States. **origin institute id:** MT 8719. **pedigree:** Roughrider//TX 55-391-56-D8/Westmont. **remarks:** High-yielding, medium-maturity hard red winter wheat with good winterhardiness. Height intermediate. Straw strong. Resistant to *Puccinia graminis*. Grain protein high. Milling and bread baking quality excellent. Susceptible to *Tilletia controversa*, *Cephus cinctus*, and *Diuraphis noxia*. Winter Annual. Breeding Material. Seed.

PI 564762 **origin:** United States. **origin institute:** Montana Agric. Exp. Station, Bozeman, Montana United States. **origin institute id:** MT 8713. **pedigree:** Roughrider//TX 55-391-56-D8/Westmont. **remarks:** Awned, early, semi-dwarf line with good winterhardiness. Resistant to *Puccinia graminis*. Grain yield potential moderate. Hard red winter wheat milling and baking quality good. Straw strength excellent. Grain protein content medium to high. Unique for its high level of winterhardiness combined with semi-dwarf character. Winter Annual. Breeding Material. Seed.

PI 564763 to 564764. *Triticum aestivum* L., nom. cons. POACEAE Winter wheat

**Donated by:** Miskin, K.E., AgriPro Biosciences, Inc., P.O. Box 411, Brookston, Indiana 47923, United States. Received January 22, 1993.

PI 564763 **origin:** United States. **developed:** K.E. Miskin. **origin institute:** AgriPro Biosciences, Inc., P.O. Box 411, Brookston, Indiana 47923 United States. **origin institute id:** ABI 89-4160. **pedigree:** Fillmore/WW167. **remarks:** Soft red winter wheat. Milling and baking quality excellent. Maturity early (equal to Caldwell). Test weight equal to Cardinal. Moderately resistant to Septoria complex and powdery mildew. Resistant to stem rust (contains Sr6, Sr17, Sr36). Moderately susceptible to leaf rust. Breeding Material. Seed.

PI 564764 **origin:** United States. **developed:** K.E. Miskin. **origin institute:** AgriPro Biosciences, Inc., P.O. Box 411, Brookston, Indiana 47923 United States. **origin institute id:** ABI 89-4776. **pedigree:** Southern Belle/IL 79-1116. **remarks:** Soft red winter wheat. Adapted from southern Illinois to northern Louisiana. Maturity early. Test weight high. Height short. Milling and baking properties very good. Leaf rust resistance good. Contains H3 Hessian fly gene. Breeding Material. Seed.

PI 564765 to 564766. *Triticum aestivum* L., nom. cons. POACEAE Winter wheat

**Donated by:** Cisar, G., Hybritech Seeds International, Inc., 6025 W 300 S., Lafayette, Indiana 47905, United States. Received January 22, 1993.

PI 564765 **origin:** United States. **developed:** G. Cisar. **origin institute:** Hybritech Seeds International, Inc., 6025 W 300 S., Lafayette, Indiana 47905 United States. **origin institute id:** LX8728D. **pedigree:** Coker 916/Caldwell. **remarks:** Yield performance average. Test weight average to low. Maturity rather early, averaging 1-2 days earlier than Caldwell. Plant height 1 inch shorter than Caldwell. Resistance to lodging average to good. Line is R to MR for powdery mildew, R to most races of leaf rust, MS to MR for *Septoria nodorum*, and MS to S for *Septoria tritici*. Susceptible to biotype L of the Hessian Fly. Breeding Material. Seed.

PI 564765 to 564766-continued

PI 564766 **origin:** United States. **developed:** G. Cisar. **origin institute:** Hybritech Seeds International, Inc., 6025 W 300 S., Lafayette, Indiana 47905 United States. **origin institute id:** Y88-3a. **pedigree:** Tyler/IL 75-2534. **remarks:** Yield performance very good, but with moderate to low test weight. Maturity rather late, averaging 4 days later than Caldwell. Plant height 1 inch taller than Caldwell. Line is MR to R for powdery mildew, but S to MS for most races of leaf rust. Good resistance to many pathogens of the leaf blight complex. Breeding Material. Seed.

PI 564767. *Gossypium hirsutum* L. MALVACEAE Cotton

**Donated by:** Delta and Pine Land Company, Scott, Mississippi, United States. Received January 27, 1993.

**origin:** United States. **origin institute:** Delta and Pine Land Company, Scott, Mississippi United States. **cultivar:** DELTAPINE ACALA 90. **other id:** PVP 8100143. **source:** Certificate in force. **group:** PVPO. **patent:** PVPO. Annual. Cultivar. Seed.

PI 564768. *Gossypium hirsutum* L. MALVACEAE Cotton

**Donated by:** Texas Agr. Exp. Sta., Texas A&M University, College Station, Texas 77843, United States. Received January 27, 1993.

**origin:** United States. **developed:** L.S. Bird, K.M. El-Zik, P.M. Thaxton. **origin institute:** Texas Agr. Exp. Sta., Texas A&M University, Dept. of Plant Pathology & Microbiology, College Station, Texas 77843 United States. **cultivar:** TAMCOT CAB-CS. **pedigree:** CAMD-21-S-78/BCUS-8-76. **other id:** PVP 8500066. **source:** Certificate in force. **group:** PVPO. **other id:** CV-87. **source:** Crop Sci. 26(2):384 1986. **group:** CSR-COTTON. **restricted:** CSR. **patent:** PVPO. **remarks:** All plant parts glabrous but matures as early as hairy CAMB-E and same yield potential. Glabrous character reduces damage caused by *Heliothis* spp. and trash content of fiber & seed. Glabrousness combined with reduction of leaf & bract particles should make greater contribution to reducing trash content of fiber. Bolls storm resistant. Plant type and fruiting habit suitable to machine harvest by picking or stripping. Fiber longer & stronger than Tamcots CAMD-E and SP21S otherwise similar. Ave. boll weight 5.41g seed cotton & 38% lint. Approx. same disease & insect resist. as CAMD-E. Cultivar. Seed.

PI 564769. *Gossypium hirsutum* L. MALVACEAE Cotton

**Donated by:** Texas Agr. Exp. Sta., Texas A&M University, College Station, Texas 77843, United States. Received January 27, 1993.

**origin:** United States. **developed:** K.M. El-Zik. **origin institute:** Texas Agr. Exp. Sta., Texas A&M University, Dept. of Plant Pathology & Microbiology, College Station, Texas 77843 United States. **cultivar:** TAMCOT GCNH. **other id:** PVP 8700141. **source:** Certificate in force. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564770. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** L., Kellock, Plant Research Institute, Dept. of Agric. and Rural Affairs, Burnley Gardens, Swan Street, Burnley, Victoria 3121, Australia; and Beetham, P., Plant Research Institute, Dept. of Agric. and Rural Affairs, Burnley Gardens, Swan Street, Burnley, Victoria 3121, Australia. Received January 27, 1993.

**donor id:** 78. **origin:** Papua New Guinea. **cultivar:** WANMUN LARGE. **other id:** Q 28004. Cultivar. Tissue Culture.

PI 564771 to 564773. *Ipomoea batatas* (L.) Lam. var. *batatas*  
CONVOLVULACEAE Sweet potato

**Donated by:** Ng, S.Y., I.I.T.A., Oyo Rd., PMB 5320, Ibadan, Nigeria. Received January 27, 1993.

PI 564771 **donor id:** TIB 4(8). **origin:** Nigeria. **other id:** Q 28278. **other id:** BE-3049. Tissue Culture.

PI 564772 **donor id:** TIS 2498(17). **origin:** Nigeria. **other id:** Q 28279. **other id:** BE-3049. Tissue Culture.

PI 564773 **donor id:** TIS 2534. **origin:** Nigeria. **other id:** Q 28281. **other id:** BE-3049. Tissue Culture.

PI 564774. *Cicer arietinum* L. FABACEAE Chickpea

**Donated by:** Singh, K.B., ICARDA, P.O. Box 5466, Aleppo, Syria; and ICRISAT. **remarks:** ILC 72 Chickpea. Received January 26, 1993.

PI 564774-continued

**origin:** Spain. **developed:** K.B. Singh, R.S. Malhotra, M.C. Saxena. **origin institute:** ICARDA, Legume Program, P.O. Box 5466, Aleppo Syria. **source history:** May have originated from USSR. **cultivar:** ILC 72. **pedigree:** Lot No. 4 obtained from Spain and evaluated. Plants resistant to Ascochyta blight were bulked. **other id:** Lot No. 4. **other id:** CV-107. **source:** Crop Sci. 33(6):1409 1993. **group:** CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:** Maturity 185 days. Flowers 148 days. Grows 73cm tall. Growth habit semi-erect. Seed pea-shaped, orange-colored, 100-seed weight of 28g. Resistant to ascochyta blight. Tolerant to cold during winter season. Free of iron-deficiency chlorosis. Susceptible to leaf miner. Harvest index 41%. Bruchids (*Callasbruchus chinensis*) seed infestation 84%. Protein content on dry seed basis 24.0%. Spring Annual. Cultivar. Seed.

PI 564775. *Cicer arietinum* L. FABACEAE Chickpea

**Donated by:** Singh, K.B., ICARDA, P.O. Box 5466, Aleppo, Syria; and ICRISAT. **remarks:** ILC 195 Chickpea. Received January 26, 1993.

**origin:** Russian Federation. **developed:** K.B. Singh, R.S. Malhotra, M.C. Saxena. **origin institute:** ICARDA, Legume Program, P.O. Box 5466, Aleppo Syria. **source history:** Originated from Krasnodar Territory 1286 in the former USSR. **cultivar:** ILC 195. **pedigree:** Mass selection from accession Vysokoroshyj 30. The owl-shaped beige color seeds with ascochyta blight resistance were selected and bulked. **other id:** Vysokoroshyj 30. **other id:** CV-108. **source:** Crop Sci. 33(6):1409 1993. **group:** CSR-OTHER LEGUMES. **restricted:** CSR. **remarks:** Maturity 183 days. Flowers 142 days. Grows 60cm tall. Growth habit semi-erect. Seed kabuli type, pea-shaped, orange-colored, 100-seed weight of 24.5g. Protein content 22% on dry-weight seed basis. Resistant to ascochyta blight. Tolerant to cold under winter sowing conditions. Resistant to iron-deficiency chlorosis. Susceptible to leaf miner. Harvest index 47%. Bruchids (*Callasbruchus chinensis*) seed infestation 100%. Spring Annual. Cultivar. Seed.

PI 564776 to 564780. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

**Donated by:** Gebrekidan, Brhane, Ethiopian Sorghum Improvement Project, College of Agriculture, Addis Ababa University, Nazareth, Ethiopia. **remarks:** Received through Centro Internacional de Mejoramiento de Maiz y Trigo/ICRISAT, Mexico. Code numbers refer to Ethiopian (ETS) local native types. Received January 11, 1993.

PI 564776 to 564780-continued

- PI 564776 **origin:** Ethiopia. **cultivar:** ETS 2687. **other id:** 83.  
**source:** R.R. Duncan Planting No. **remarks:** Ethiopian Sorghum collection residual seed with low viability grown out by R.R. Duncan, winter 1991-1992, in greenhouse quarantine. Cultivated. Seed.
- PI 564777 **origin:** Ethiopia. **cultivar:** ETS 2688-A. **other id:** 84A.  
**source:** R.R. Duncan Planting No. **remarks:** Ethiopian Sorghum collection residual seed with low viability grown out by R.R. Duncan, winter 1991-1992, in greenhouse quarantine. Cultivated. Seed.
- PI 564778 **origin:** Ethiopia. **cultivar:** ETS 2688-B. **other id:** 84B.  
**source:** R.R. Duncan Planting No. **remarks:** Ethiopian Sorghum collection residual seed with low viability grown out by R.R. Duncan, winter 1991-1992, in greenhouse quarantine. Cultivated. Seed.
- PI 564779 **origin:** Ethiopia. **cultivar:** ETS 3082. **other id:** 151.  
**source:** R.R. Duncan Planting No. **remarks:** Ethiopian Sorghum collection residual seed with low viability grown out by R.R. Duncan, winter 1991-1992, in greenhouse quarantine. Cultivated. Seed.
- PI 564780 **origin:** Ethiopia. **cultivar:** ETS 4402. **other id:** 266.  
**source:** R.R. Duncan Planting No. **remarks:** Ethiopian Sorghum collection residual seed with low viability grown out by R.R. Duncan, winter 1991-1992, in greenhouse quarantine. Cultivated. Seed.

PI 564781 to 564783. *Arachis hypogaea* L. FABACEAE Peanut

**Donated by:** White, G.A., National Germplasm Resources Laboratory, USDA-ARS, Rm 409, Bldg. 003, BARC-West, Beltsville, Maryland 20705-2350, United States. Received January 11, 1993.

- PI 564781 **donor id:** 91-Bol-3. **origin:** Bolivia. **local name:** Mani rosada. **collected:** August 27, 1991. **collector:** J. Argota, L. Guzman, Cent. de Invest. Fitoecogeneticas de Pariumani, Casilla 128, Cochabamba, Bolivia. **locality:** Panata market, grown at Mizque. Cultivated. Seed.
- PI 564782 **donor id:** 91-Bol-4. **origin:** Bolivia. **local name:** Grew. **collected:** August 27, 1991. **collector:** J. Argota, L. Guzman, Cent. de Invest. Fitoecogeneticas de Pariumani, Casilla 128, Cochabamba, Bolivia. **locality:** Panata market, grown in subtropical areas, Santa Cruz. Cultivated. Seed.

PI 564781 to 564783-continued

PI 564783 **donor id:** 91-Bol-5. **origin:** Bolivia. **local name:** Mani rosada. **collected:** August 27, 1991. **collector:** J. Argota, L. Guzman, Cent. de Invest. Fitoecogeneticas de Pairumani, Casilla 128, Cochabamba, Bolivia. **locality:** Panata market, grown in Chuguisaca. Cultivated. Seed.

PI 564784 to 564788. *Oryza sativa* L. POACEAE Rice

**Donated by:** Schaeffer, G.W., Agricultural Research Service -- USDA, Plant Molecular Biology Laboratory, Beltsville, Maryland 20705-2350, United States. **remarks:** Five Rice Lysine Germplasms. Received January 25, 1993.

PI 564784 **origin:** United States. **developed:** G.W. Schaeffer, F.T. Sharpe, Jr., J.T. Dudley. **origin institute:** Agricultural Research Service -- USDA, Plant Molecular Biology Lab., Bldg. 006, BARC-West, Beltsville, Maryland 20705 United States. **cultivar:** 2K41. **pedigree:** In vitro-selected (Mut) (995)/Calrose 76, selfed to F5. **other id:** GP-73. **group:** CSR-RICE. **restricted:** CSR. **remarks:** Enhanced lysine 3.9% of total amino acids in acid hydrolyzates of endosperm and 15% over starting cultivar. Plants derived from in vitro inhibitor selections, fertility 65% field, 80% greenhouse. Semidwarf, height 110cm. Flowers in 110 days. Seed weight 18.9mg/seed. Endosperm soft, opaque. Has value for basic studies on seed chalkiness, lysine content and protein synthesis. Constitutive for some stress related proteins. Spring Annual. Genetic Material. Seed.

PI 564785 **origin:** United States. **developed:** G.W. Schaeffer, F.T. Sharpe, Jr., J.T. Dudley. **origin institute:** Agricultural Research Service -- USDA, Plant Molecular Biology Lab., Bldg. 006, BARC-Wesst, Beltsville, Maryland 20705 United States. **cultivar:** 2K539. **pedigree:** Mutant (2K539)/M101 (glabrous), selfed to F7. **other id:** GP-74. **group:** CSR-RICE. **restricted:** CSR. **remarks:** Enhanced seed lysine 3.8% of total amino acids in acid hydrolyzates of endosperm. Seeds derived from plants recovered from in vitro inhibitor selections. Plants semidwarf, 115cm. Flowers in 115 days. Seed weight 19.2mg/seed, fertility 60-70%. Endosperm soft, opaque. Has value for basic studies on seed chalkiness, lysine content and protein synthesis. Constitutive for some stress related proteins. Spring Annual. Genetic Material. Seed.

- PI 564786 **origin:** United States. **developed:** G.W. Schaeffer, F.T. Sharpe, Jr., J.T. Dudley. **origin institute:** Agricultural Research Service -- USDA, Plant Molecular Biology Lab., Bldg. 006, BARC-West, Beltsville, Maryland 20705 United States. **origin institute id:** C193. **cultivar:** 2K(C193). **pedigree:** Mut (Composite)/M101 (gl), selfed to F4. **other id:** GP-75. **group:** CSR-RICE. **restricted:** CSR. **remarks:** Seeds derived from plants recovered from in vitro inhibitor selections, lysine enhanced to 3.8% of total amino acids in acid hydrolyzates. Moderately enhanced protein. Semidwarf, flowers in 106 days. Fertility 54%. Endosperm soft, opaque. Has value for basic studies on seed chalkiness (recover antisense genes), protein synthesis, and stress biochemistry. Mutants are constitutive for stress proteins. Spring Annual. Genetic Material. Seed.
- PI 564787 **origin:** United States. **developed:** G.W. Schaeffer, F.T. Sharpe, Jr., J.T. Dudley. **origin institute:** Agricultural Research Service -- USDA, Plant Molecular Biology Lab., Bldg. 006, BARC-West, Beltsville, Maryland 20705 United States. **cultivar:** 2K497. **pedigree:** Mutant (2k497)/M101 (glabrous), selfed to F7. **other id:** GP-76. **group:** CSR-RICE. **restricted:** CSR. **remarks:** Seeds derived from plants recovered from in vitro inhibited selections. Enhanced endosperm lysine, 3.8% of total amino acids in acid hydrolyzates. Enhanced protein at 9.8%. Semidwarf, 118cm. Flowers in 112 days. Seed weight 17.3mg/seed, fertility 45%, open florets with little out crossing. Endosperm soft, opaque. Has value for basic studies on seed chalkiness, lysine content and protein synthesis. Germplasm is constitutive for some stress related proteins. Spring Annual. Genetic Material. Seed.
- PI 564788 **origin:** United States. **developed:** G.W. Schaeffer, F.T. Sharpe, Jr., J.T. Dudley. **origin institute:** Agricultural Research Service -- USDA, Bldg. 006, BARC-West, Beltsville, Maryland 20705 United States. **cultivar:** 2K601. **pedigree:** Mut (601)/M101//ASSAM 5 (PI 353705), selfed to F4. **other id:** GP-77. **group:** CSR-RICE. **restricted:** CSR. **remarks:** Seeds derived from plants recovered from in vitro inhibitor selections. Enhanced endosperm lysine, 3.6% of total amino acids in acid hydrolyzates. Early flowering (76 days). Large seeded (23.9mg/seed). Endosperm segregates for opaque and vitreous characters. Open panicle, 50% fertility. Has components of indica subspecies characteristics from PI 353705. Outcrosses readily. May be suitable for subspecies bridge crosses. Spring Annual. Genetic Material. Seed.



PI 564789 to 564822. *Triticum aestivum* L., nom. cons. POACEAE Common wheat

**Donated by:** Kolding, M.F., Oregon Agr. Exp. Sta., 1910 SW 44, Pendleton, Oregon 97801-4221, United States. Received January 29, 1993.

PI 564789 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW741037-006. **pedigree:** OR65116/McDermid/2/Cama/3/FW72001/ISRN-1342, POL. **remarks:** Winter, medium height. Spike awned, lax, linear-fusiform, inclined. Glume glabrous, mid-long. Shoulder mid-wide, rounded. Beak mid-wide, acuminate, 3-5mm long. Kernel dark-brown, mid-long, soft, elliptical. Germ mid-size. Brush small, short. Crease mid-wide, shallow. Cheek rounded. Rachilla short hairs at node edges. Good tolerance to root diseases and BYDV. Excellent long-term grain yield. Poor baking and milling quality. Medium cold hardiness. Winter Annual. Breeding Material. Seed.

PI 564790 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW75344-105. **pedigree:** Yamhill/McDermid/2/Triticum spelta var. Album/3/Suwon 92/Roedel/4/Sel. 23/Reibesel/3/Nugaines/FW71001/2/Reibesel. **remarks:** Medium height, winter. Spike awned, lax, linear-fusiform, erect. Glume glabrous, mid-long, mid-wide. Shoulder narrow, elevated. Beak acuminate, 5-10mm long. Awns white. Kernel red, hard, mid-long, elliptical. Germ small. Crease narrow, shallow. Cheeks rounded. Brush small, short. Rachilla edge hairs short. Good root disease and BYDV tolerance. Bread loaf volume below tolerances. Good winter survival. Winter Annual. Breeding Material. Seed.

PI 564791 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW771595-G305. **pedigree:** OR67109/Froid/2/Pullman Sel. 101/FW71002. **remarks:** Mid-season, mid-height, winter. Spike awned, lax, oblong, erect. Glume cream, glabrous, mid-long, wide. Shoulder narrow, oblique. Beak narrow, acuminate, 2-4mm long. Kernel soft, brown-light tinge of purple, mid-short, tend to ovate. Germ large. Crease narrow, shallow. Cheek rounded. Brush mid-size, mid-long. Excellent tolerance to BYDV, root diseases. Fair baking quality. Good winter survival. Winter Annual. Breeding Material. Seed.

- PI 564792 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW771595-G306. **pedigree:** OR67109/Froid/2/Pullman Sel. 101/FW71002. **remarks:** Mid-season, medium height, winter Spike awned, lax, oblong. Glume cream, glabrous, long, wide. Shoulder narrow, elevated. Beak narrow, acuminate, 2-8mm long. Kernel soft, cream to light brown, mid-short, elliptical. Germ large. Crease narrow, mid-deep. Cheeks rounded. Brush large, mid-long. Fair milling quality. Excellent tolerance to BYDV and root diseases. High grain yields. Winter Annual. Breeding Material. Seed.
- PI 564793 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW771697-G19. **pedigree:** Cama/Jade Jubilee-Gabu/2/FW-127. **remarks:** Mid-season, medium height, winter. Spike awned, lax, inclined. Glume white, glabrous. Kernel soft, white, elliptical. Germ small. Crease mid-wide, mid-deep. Cheeks rounded. Brush mid-size, short. Excellent tolerance to BYDV and root-rots in sandy soil-irrigated complex in Columbia Basin. Winter Annual. Breeding Material. Seed.
- PI 564794 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW80070-F6003. **pedigree:** Luke\*2/PI 178210/Stephens. **remarks:** Mid-tall, mid-late, winter. Spike awned, lax. Glume white, mid-long, narrow. Shoulder narrow to wanting, square. Beak narrow, acuminate to 4mm. Awn white. Kernel white, semi-hard, mid-long, elliptical. Germ small. Crease wide, mid-deep. Cheek rounded. Brush mid-size, short. Resistant to endemic *Tilletia controversa* near Flora OR. Good winter survival under snow. Cold-hardiness moderate. Very good test-weight. Quality good, cake volume low. Winter Annual. Breeding Material. Seed.

PI 564789 to 564822-continued

- PI 564795 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW80070-F6011. **pedigree:** Luke\*2/PI 178210/Stephens. **remarks:** Medium height, mid-late, winter. Spike awned, lax. Glume white. Kernel white, semi-hard, ovate, mid-long. Germ small. Crease wide, tends to pit near brush, deep. Cheeks angular. Brush mid-size, short. Resistance to endemic *Tilletia controversa* near Flora, OR. Good winter survival under snow. Cold hardiness moderate. Quality fair-low ash, poor sponge cake volume. Winter Annual. Breeding Material. Seed.
- PI 564796 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW80070-F6013. **pedigree:** Luke\*2/PI 178210/Stephens. **remarks:** Medium height, mid-late, winter. Spike awned, lax. Glume white, mid-long, mid-wide. Shoulder narrow, oblique/elevated. Beak acuminate to 4mm. Kernel white to 2% red, mid-long, elliptical. Germ medium. Crease mid-wide, mid-deep. Cheeks rounded. Brush small, short. Resistant to endemic *Tilletia controversa* near Flora, OR. Good winter survival under snow. Cold-hardiness moderate. Very good test weight. Good mill score and cake volume. Winter Annual. Breeding Material. Seed.
- PI 564797 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW81427-HS006. **pedigree:** *Triticum timopheevi*/2\*Pullman-101/2/OR7721. **remarks:** Mid-tall, mid-season, winter. Spike awned, lax. Glume bronze. Kernel white, soft, tend to ovate, mid-long. Germ small. Crease mid-wide, mid-deep. Cheek rounded. Brush mid-size, short. Resistant to endemic *Tilletia controversa* near Flora, OR, and race 23 common bunt tested as R90-1019 (R.J. Metzger). Possible tolerance to *Cephalosporium Stripe*. Good winter survival. Fair milling quality, but lacks cookie spread and sponge cake volume. Winter Annual. Breeding Material. Seed.

- PI 564798 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW81427-F6010. **pedigree:** Triticum timopheevi/2\*Pullman-101/2/OR7721. **remarks:** Mid-tall, mid-season, winter. Spike awned, lax. Glume bronze. Kernel white, soft, tend to ovate, mid-long. Germ small. Crease wide, deep. Cheeks angular/rounded. Brush mid-size, long. Resistant to endemic *Tilletia controversa* near Flora, OR, and race 23 common bunt tested as R90-1023 (R.J. Metzger). Good winter survival. Possible tolerance to *Cephalosporium Stripe*. Winter Annual. Breeding Material. Seed.
- PI 564799 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW81427-F7004-C. **pedigree:** Triticum timopheevi/2\*Pullman-101/2/OR7721. **remarks:** Mid-tall, mid-late, winter. Spike awned, lax. Glume bronze, glabrous. Kernel white, mid-size, mid-long, tend to ovate. Brush large. long. Crease deep, wide. Cheeks angular. Resistant to endemic TCK near Flora, OR and race 23. Very susceptible to kernel black point. Good winter survival. Winter Annual. Breeding Material. Seed.
- PI 564800 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW81427-F7005-D. **pedigree:** Triticum timopheevi/2\* Pullman-101/2/OR7721. **remarks:** Mid-tall, mid-late, winter. Spike lax, oblong, awned. Glume bronze, glabrous, long, mid-wide. Shoulder narrow to wanting. Beak narrow, acuminate. Kernel mid-long, white, soft, elliptical. Germ mid-size. Crease wide, deep. Cheeks angular. Brush large, mid-long, Resistance to endemic TCK near Flora, OR, and to race 23. Good winter survival, bare ground and under snow. Winter Annual. Breeding Material. Seed.
- PI 564801 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW82178-B5012. **pedigree:** Stephens/2/Pillan/Cerco. **remarks:** Mid-height, mid-early, winter. Spike awned, lax, fusiform. Glumes white, wide, glabrous, mid-long. Shoulder narrow, square. Beak mid-wide, acuminate. Kernel white, soft, mid-long, ovate. Germ mid-size. Crease mid-wide, mid-deep. Cheeks rounded. Brush medium, mid-short. Tolerance to BYDV, possible *Diuraphis noxia* tolerance. Adapted to irrigation, sandy soils, mid-hardy. Winter Annual. Breeding Material. Seed.

- PI 564802 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW82202-B5023. **pedigree:** 1523/Druchamp/2/Reibesel/3/Sambo/Moldova. **remarks:** Mid-height, mid-early, winter. Spike lax, awned, fusiform. Glume white, glabrous, short, narrow. Shoulder narrow, elevated. Beak narrow, acuminate. Kernel white, soft, mid-long, ovate. Germ mid-size. Crease wide, mid-deep. Cheeks tend to angular. Brush large, mid-long. Tolerance to BYDV, possible to Diuraphis noxia (summer infestations). Adapted to irrigation, sandy soils. Winter Annual. Breeding Material. Seed.
- PI 564803 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW83115. **pedigree:** Stephens\*2/Thule III. **remarks:** Mid-height, mid-late, winter. Spike lax, awned, fusiform. Awns white. Glume white, wide, glabrous. Kernel mid-long, elliptical, white, soft. Germ mid-size. Crease mid-wide, mid-deep. Cheeks rounded. Brush mid-size, short. Moderate cold hardiness. Baking and milling quality average. Tested in Western Regional White Winter Wheat Nursery-start-1989. Tolerance to BYDV. Adapted to irrigation. Winter Annual. Breeding Material. Seed.
- PI 564804 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW83115-D5016. **pedigree:** Stephens\*2/Thule III. **remarks:** Mid-height, mid-early, winter. Spike awned, lax, fusiform. Glume white, wide, glabrous, mid-long, mid-vein prominent. Shoulder narrow, oblique to wanting. Beak mid-wide, acuminate. Awns white. Kernel white, soft, mid-long, ovate to elliptical. Germ mid-size. Crease wide, deep. Cheeks rounded. Brush mid-size, mid-long. Moderate cold hardiness. Tolerance to BYDV, possibly to Diuraphis noxia (summer infestations). Good cold hardiness. Winter Annual. Breeding Material. Seed.

PI 564789 to 564822-continued

- PI 564805 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW83115-D5054. **pedigree:** Stephens\*2/Thule III. **remarks:** Mid-height, mid-late, winter. Spike awned, lax, fusiform. Glume white, glabrous, wide, mid-long, mid-vein prominent. Shoulder narrow, square. Beak mid-wide, acuminate. Awns white. Kernel white, soft, mid-long, ovate. Germ mid-size. Crease wide, deep. Cheek rounded. Brush mid-size, mid-long. Moderate cold hardiness. Tolerance to BYDV, possibly to Diuraphis noxia (summer infestations). Adapted to irrigation, sandy soils. Winter Annual. Breeding Material. Seed.
- PI 564806 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW83117-D5004. **pedigree:** Stephens\*2/FW75536 F701, PI 178383/Omar/2/CI 13438. **remarks:** Mid-height, mid-late, winter. Spike lax, fusiform, awnleted. Glume white/bronze, glabrous, mid-long. Shoulder various. Beak narrow, acuminate. Kernel mid-long, ovate, white, soft. Germ mid-size. Crease mid-wide, mid-deep. Cheeks rounded. Brush mid-size, short. Tolerant to BYDV, some tolerance to late spring infestations of RWA. Adapted to irrigation. Fair winter hardiness. Winter Annual. Breeding Material. Seed.
- PI 564807 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW83117-D5041. **pedigree:** Stephens\*2/FW75536 F701, PI 178383/Omar/2/CI 13438. **remarks:** Mid-tall, mid-early, winter. Spike lax, fusiform, awnleted. Glumes white/bronze, glabrous, mid-long, narrow. Shoulder narrow, square. Beak narrow, acuminate. Kernel white, soft, mid-long, ovate. Germ mid-size. Crease mid-wide, mid-deep. Cheeks rounded. Brush mid-size. Crease mid-wide, mid-deep. Tolerance to BYDV, possibly Diuraphis noxia (summer infestations). Adapted to irrigation, sandy soils. Fair cold hardiness. Winter Annual. Breeding Material. Seed.

- PI 564808 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW83242-P8006. **pedigree:** OR67109/Froid/2/P-101/FW71002, FW771595F/NS 879/4. **remarks:** Medium height, mid-season, winter. Spike awned, lax, tend to shorter than 10cm, erect. Awns white tend to 10cm long. Glume glabrous, mid-long, mid-wide. Shoulder narrow, elevated. Beak narrow, acuminate, 2-4mm long. Rachilla internode short pubescent edge, nodes pubescent 1-2mm long. Kernel red, soft, tend to small, elliptical. Germ mid-size. Cheeks angular. Crease mid-wide, mid-deep. Brush near collared, long. High yield. Poor crumb texture. Tolerance to root diseases and BYDV. Winter Annual. Breeding Material. Seed.
- PI 564809 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW83242-P8008. **pedigree:** OR67109/Froid/2/P-101/FW71002, FW771595F/NS 879/4. **remarks:** Medium height, mid-season, winter. Spike awned, lax, linear, fusiform. Glume mid-long, glabrous, mid-wide, white. Shoulders narrow, square. Beak acuminate, to 3mm long. Kernel brown, soft, mid-long, elliptical. Germ medium. Crease wide, mid-deep. Cheeks rounded. Brush mid-size, long. Good tolerance to BYDV and root diseases. Winter Annual. Breeding Material. Seed.
- PI 564810 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW84113-F6002. **pedigree:** Stephens\*2/FW75536F701//FW81439. **remarks:** Mid-height, mid-season, winter. Spike lax, awned. Glume bronze. Kernel soft, white to amber, mid-short, elliptical. Germ small. Crease narrow, mid-deep. Cheeks rounded. Brush small, short. Good tolerance to endemic *Tilletia controversa*, near Flora, OR, and *Cephalosporium Stripe*. Adapted to irrigation. Flour yield and milling score good. Cookie diameter and sponge cake volume below standard. Winter Annual. Breeding Material. Seed.

PI 564811 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW84526-F7005-M. **pedigree:** Warrior/2/Burt/PI 178383. **remarks:** Mid-tall, mid-late, winter. Spike awned, oblong, lax. Glumes bronze, glabrous, mid-long, mid-wide. Shoulder narrow, wanting. Beak narrow, acuminate. Kernel white to amber, mid-short, elliptical. Germ large. Crease wide, deep. Cheek angular. Brush large, long. Resistant to *Tilletia controversa* race 23 tested as R90-915, to endemic races near Flora, OR, and possibly to *Cephalosporium Stripe*. Winter Annual. Breeding Material. Seed.

PI 564812 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW85155-T9027. **pedigree:** Pillan/red-selection//WA6912. **remarks:** Mid-tall, mid-late, winter. Spike awned, lax, fusiform. Glumes white, wide, short, glabrous. Shoulder mid-wide, rounded. Beak mid-wide, acuminate. Awns white. Kernel brown/red, hard, mid-short, elliptical. Germ small. Crease wide, mid-deep. Cheeks angular. Brush mid-size, mid-long. Very good cold hardiness. Promising bake and mill quality. Adapted dryland. Tolerance to BYDV, possibly to *Diuraphis noxia*. Resistant to endemic races of *Tilletia controversa* near Flora, OR. Winter Annual. Breeding Material. Seed.

PI 564813 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW85155-T9066. **pedigree:** Pillan/red-selection//WA6912. **remarks:** Mid-tall, mid-late, winter. Spike lax, fusiform, awned. Glume white, glabrous, mid-long, mid-wide. Shoulder narrow, rounded. Beak narrow, acuminate. Kernel brown/red, mid-long, elliptical. Germ mid-size. Crease mid-wide, mid-deep. Cheeks rounded. Brush mid-size, mid-long. Tolerance to BYDV, possibly to *Diuraphis noxia*. Good winter survival. Resistant to endemic races of *Tilletia controversa* near Flora, OR. Good baking quality. Winter Annual. Breeding Material. Seed.



- PI 564814 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW88-PA-004. **pedigree:** Bulk selection from BYDV-Root Rot-Early Seeded complex Field P-A, HAREC AES OSU. **remarks:** Mid-short, mid-season, winter. Spike awnleted, lax. Glume white. Kernel mid-long, brown, semi-hard, elliptical. Germ small, Crease wide, deep. Cheek tends to angular. Brush small, medium long. Excellent yield, and tolerance to BYDV and root diseases. Fair hardiness. Good test weight. Poor quality. Winter Annual. Breeding Material. Seed.
- PI 564815 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW88-PA-010-7. **pedigree:** Bulk selection from BYDV-Root Rot-Early Seeded complex Field P-A, HAREC AES OSU. **remarks:** Mid-short, mid-season, winter. Spike awned, linear near oblong, lax, erect spikes tend to shorter than 10cm. Awns white mid-long to 10cm. Glume white, mid-long, mid-wide. Shoulder wanting. Beak narrow, acuminate 2-8mm long. Kernel soft, brown, short, tend to ovate. Crease mid-deep, narrow. Cheeks rounded. Germ mid-size. Brush long mid-size. Excellent yield and tolerance to root diseases and BYDV. Winter Annual. Breeding Material. Seed.
- PI 564816 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW88-PA-101-2. **pedigree:** Bulk selection from BYDV-Root Rot-Early seeded complex Field P-A, HAREC AES OSU. **remarks:** Mid-short, mid-late, winter. Spike awnleted, lax. Glume white. Kernel brown/red, semi-hard, mid-short, elliptical. Germ small. Crease wide, mid-deep. Cheeks tend to angular. Brush medium, mid-long. Excellent yield and tolerance to root diseases and BYDV. Winter Annual. Breeding Material. Seed.
- PI 564817 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW88-PA-E9001. **pedigree:** Bulk selection from BYDV-Root Rot-Early Seeded complex Field P-A, HAREC AES OSU. **remarks:** Mid-short, mid-season, winter. Spike awnleted, lax. Glume white, narrow, mid-long. Shoulder narrow, tend to elevate. Kernel mid-long, red/brown, semi-hard, elliptical. Germ small. Crease wide, mid-deep. Cheeks tend to rounded. Brush small, short. Excellent yield and tolerance to root diseases and BYDV. Winter Annual. Breeding Material. Seed.

PI 564818 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW205-19B. **pedigree:** 1523/Druchamp/2/Reibesel/4/Moldova/3/1523/Druchamp/2/Reibesel. **remarks:** Mid-height, mid-late, stiff strawed, winter. Spike awned, lax. Glume white. Kernel soft, white, mid-long, elliptical. Germ small. Crease wide, deep. Crease tend to angular. Brush mid-size, short. Fair yield and quality. Selected for tolerance to foliar and root diseases in irrigation sandy soil complex. Winter Annual. Breeding Material. Seed.

PI 564819 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** KW90-PB-H2019. **pedigree:** Excelsior/BYDV tolerant bulk selection. **remarks:** Tall, late, winter. Spike awnleted, linear, fusiform, narrow. Glume glabrous, white, long, narrow. Kernel long, narrow, brown, soft. Germ small. Crease wide, deep. Cheeks angular. Brush large, long. Exceptionally good tolerance to BYDV, and root diseases. May tend to respond as perennial. Winter Annual. Breeding Material. Seed.

PI 564820 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW-TSN-B-2. **pedigree:** Flora/Hard red winter wheat selection from Turkish winter wheat nursery. **remarks:** Mid-tall, mid-season, winter. Spike lax, linear oblong. Glumes glabrous, cream, mid-long, wide. Shoulder narrow, wanting. Beak mid-wide, acuminate, long to 6mm. Awns white. Kernels mid-long, brown, near hard, elliptical. Germ large. Crease wide, deep. Cheeks angular. Brush small, short. Good foliar, root disease and BYDV tolerance. Triticale times wheat cross. Winter Annual. Breeding Material. Seed.

PI 564789 to 564822-continued

PI 564821 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** Border 1F-7004-O. **pedigree:** Plant selected from a 1983 F-3 bulk population grown near Flora, Oregon. **remarks:** Mid-tall, mid-season, winter. Spike Oblong, awnleted, awns tend to dehisce, lax. Glume bronze, glabrous, mid-long, mid-wide. Shoulder mid-wide, oblique. Beak mid-wide, acuminate. Kernel white, soft, mid-long, elliptical. Germ medium. Crease wide, deep. Cheek angular. Brush large, long. Resistant to *Tilletia controversa* race 23 tested as R90-979, and endemic races near Flora, OR. Winter Annual. Breeding Material. Seed.

PI 564822 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** Border 1F-7005-P. **pedigree:** Plant selected from a 1983 F-3 bulk population grown near Flora, Oregon. **remarks:** Mid-tall, mid-season, winter. Spikes various, white/bronze. Kernels soft, white, mid-long, elliptical. Germ mid-size to large. Crease deep. Cheeks angular. Brush large, long. Susceptible to fusariums. Resistance to *Tilletia controversa* race 23 tested as R90-983, and to endemic races near Flora, OR. Winter Annual. Breeding Material. Seed.

PI 564823. *Alcea rosea* L. MALVACEAE

**Donated by:** Research Institute of Ecology and Botany, Hungarian Academy of Sciences, Botanical Garden, Vacratot, Hungary. Received April 18, 1988.

**donor id:** #2343. **origin:** Hungary. **other id:** Ames 8353. **source:** NC-7. **group:** Ames. Biennial. Cultivated. Seed.

PI 564824. *Alcea rugosa* Alef. MALVACEAE

**Donated by:** Andreev, L.N., Hortus Botanicus Principalis, Academiae Scientiarum USSR, Moscow 127276, Russian Federation. Received January 16, 1989.

**donor id:** #1129C. **origin:** Russian Federation. **other id:** Ames 10097. **source:** NC-7. **group:** Ames. Biennial. Cultivated. Seed.

PI 564825. *Althaea armeniaca* Ten. MALVACEAE

**Donated by:** Research Institute of Ecology and Botany, Hungarian Academy of Sciences, Botanical Garden, Vacratot, Hungary. Received April 18, 1988.

**donor id:** #2347. **origin:** Hungary. **other id:** Ames 8355.  
**source:** NC-7. **group:** Ames. Biennial. Cultivated.  
Seed.

PI 564826. *Althaea cannabina* L. MALVACEAE

**Donated by:** Research Institute of Ecology and Botany, Hungarian Academy of Sciences, Botanical Garden, Vacratot, Hungary. Received April 18, 1988.

**donor id:** #2348. **origin:** Hungary. **other id:** Ames 8356.  
**source:** NC-7. **group:** Ames. Biennial. Cultivated.  
Seed.

PI 564827. *Callicarpa dichotoma* (Lour.) K. Koch VERBENACEAE

**Donated by:** U.S. National Arboretum, Washington, District of Columbia, United States; and Parks, C., Chapel Hill, North Carolina, United States. Received February 13, 1985.

**donor id:** NA 53225. **origin:** Japan. **origin institute id:** NA 53225. **other id:** Ames 3498. **source:** NC-7. **group:** Ames. **locality:** Magome Natural Botanical Garden, Gifu Prefecture, Central Honshu. Cultivated.

PI 564828. *Chrysanthemum coronarium* L. ASTERACEAE

**Donated by:** Shu De, Lee, Chinese Academy of Agricultural Sciences, 30 Baishigiao Rd., Beijing 100094, China. Received May 09, 1991.

**origin:** China. **cultivar:** GARLAND CHRYSANTHEMUM. **other id:** Ames 15677. **source:** NC-7. **group:** Ames. **remarks:** No passport information was received. Reference letter of 6 May 1991 from Jim McFerson, NERPIS. Cultivar. Seed.

PI 564829. *Cornus alba* L. CORNACEAE

**Donated by:** Hortus Botanicus Academiae, Silvotechnicae, St. Petersburg, Russian Federation. Received June 04, 1984.

**donor id:** #99. **origin:** Russian Federation. **other id:** Ames 2959. **source:** NC-7. **group:** Ames. Cultivated.  
Seed.

PI 564830. *Diervilla lonicera* Miller CAPRIFOLIACEAE

**Donated by:** Jardin Botanique de Montreal, 4101 Rue Sherbrooke Est, Montreal, Quebec, Canada. **remarks:** Received through U.S. National Arboretum, Washington, D.C. Received June 08, 1990.

**donor id:** No. 167. **origin:** Canada. **other id:** Ames 13843. **source:** NC-7. **group:** Ames. Shrub. Wild. Seed.

PI 564831. *Gypsophila paniculata* L. CARYOPHYLLACEAE

**Donated by:** Research Institute of Ecology and Botany, Hungarian Academy of Sciences, Botanical Garden, Vacratot, Hungary. Received April 18, 1988.

**donor id:** #383. **origin:** Hungary. **collector:** Geza Kosa. **other id:** Ames 8359. **source:** NC-7. **group:** Ames. **locality:** Alkaline sand steppes. Festuco-puccinellietalia and swamps with reed near Kerekegyhaza, Bocsa and Szabadszallas. Kiskunsag, part of the Great Hungarian Plain between Duna/Daunbe and Tisza rivers. Perennial. Wild. Seed.

PI 564832. *Gypsophila acutifolia* Steven ex Sprengel CARYOPHYLLACEAE

**Donated by:** W.J. Beal Botanical Garden, Michigan State University, 412 Olds Hall, East Lansing, Michigan, United States. Received February 16, 1990.

**donor id:** Beal No. 133. **origin:** United States. **origin institute id:** Beal No.133. **other id:** Ames 12803. **source:** NC-7. **group:** Ames. **latitude:** 42 deg. 44 min. N. **longitude:** 084 deg. 29 min. W. **elevation:** 256m. Cultivated. Seed.

PI 564833. *Gypsophila paniculata* L. CARYOPHYLLACEAE

**Donated by:** Blahnik, Zdenek, Czechoslovak Academy of Sciences, Botanical Institute, Pruhonice 252 43, Czechoslovakia. Received March 16, 1990.

**origin:** Slovakia. **collector:** M. Holub, M. Lhotska, L. Moravcova. **other id:** Ames 13178. **source:** NC-7. **group:** Ames. **locality:** Nove Zamky, Nesvady - sandy sites near the village, Slovakia. **elevation:** 120m. Wild. Seed.

PI 564834. *Malva moschata* L. MALVACEAE

**Donated by:** Research Institute of Ecology and Botany, Hungarian Academy of Sciences, Botanical Garden, Vacratot, Hungary. Received June 17, 1986.

**donor id:** Lot 1826. **origin:** Hungary. **other id:** Ames 6046. **source:** NC-7. **group:** Ames. Perennial. Cultivated. Seed.

PI 564835. *Malva sylvestris* L. MALVACEAE

**Donated by:** Widrlechner, M.P., USDA, NCRPIS, Iowa State University, Ames, Iowa 50011, United States. Received October 08, 1988.

**origin:** Poland. **other id:** Ames 8597. **source:** NC-7. **group:** Ames. **remarks:** Tyniec SW of Krakow. Wild. Seed.

PI 564836 to 564838. *Malva neglecta* Wallr. MALVACEAE

**Donated by:** Botanischer Garten, der Universitat Leipzig, Linnestrasse 1, Leipzig D-0 7010, Germany. Received June 17, 1991.

PI 564836 **donor id:** No. 546. **origin:** Germany. **collector:** H. u. K. Hubatsch, M. Krusche, H. Kohler. **other id:** Ames 15723. **source:** NC-7. **group:** Ames. **locality:** Leipzig, Sachsen. Wild. Seed.

PI 564837 **donor id:** No. 547. **origin:** Germany. **collector:** H. u. K. Hubatsch. **other id:** Ames 15724. **source:** NC-7. **group:** Ames. **locality:** Leipzig-Mockau, Sachsen. Wild. Seed.

PI 564838 **donor id:** No. 548. **origin:** Germany. **collector:** H. Kohler. **other id:** Ames 15725. **source:** NC-7. **group:** Ames. **locality:** Leisling, Sachsen-Anhalt. Wild. Seed.

PI 564839. *Potentilla norvegica* L. ROSACEAE

**Donated by:** Botanical Garden, Botania,, University of Joensuu, P.O. Box 111, Joensuu SF-80101, Finland. Received April 30, 1991.

**donor id:** No. 376. **origin:** Finland. **other id:** Ames 15632. **source:** NC-7. **group:** Ames. **locality:** Sandy field, Liperi, Parnavaara, Pohjois-Karjala. **latitude:** 62 deg. 38 min. N. **longitude:** 029 deg. 33 min. E. Wild. Seed.

PI 564840. *Rhodotypos scandens* (Thunb.) Makino ROSACEAE

**Donated by:** U.S. National Arboretum, Washington, District of Columbia, United States. Received January 25, 1985.

**donor id:** NA 55166. **origin:** Korea, South. **collector id:** #353. **other id:** Ames 3494. **source:** NC-7. **group:** Ames. **locality:** North slope above hillside, Kyong Gi Do, Ongjin-gun, Taechong-myon, Sochong Island, Yedong. **Shrub. Wild. Seed.**

PI 564841. *Spiraea alba* Mill. ex Muenchhausen ROSACEAE

**Donated by:** W.J. Beal Botanical Garden, Michigan State University, 412 Olds Hall, East Lansing, Michigan, United States. Received February 16, 1990.

**donor id:** Beal No.528. **origin:** United States. **origin institute id:** Beal No.528. **other id:** Ames 12808. **source:** NC-7. **group:** Ames. **locality:** Lake shore, Kent County. **latitude:** 43 deg. 00 min. N. **longitude:** 085 deg. 30 min. W. **Shrub. Wild. Seed.**

PI 564842. *Tanacetum corymbosum* (L.) Schultz.Bip. ASTERACEAE

**Donated by:** Blahnik, Zdenek, Czechoslovak Academy of Sciences, Botanical Institute, Pruhonice 252 43, Czechoslovakia. Received March 16, 1990.

**donor id:** 257. **origin:** Slovakia. **origin institute id:** 257. **collector:** M. Holub, M. Lhotska, L. Moravcova. **other id:** Ames 13164. **source:** NC-7. **group:** Ames. **locality:** Velka Fatra mountains, Koncita mountain on south foot, Slovakia. **elevation:** 750m. **Wild. Seed.**

PI 564843. *Zinnia angustifolia* Kunth ASTERACEAE

**Donated by:** Boyle, T., University of Maryland, Department of Horticulture, College Park, Maryland, United States. **remarks:** originally from Pocha Seed Pvt., Ltd., near Sholapur Bazaar, Poona 411001, India. Received January 23, 1986.

**origin:** India. **other id:** Ames 4950. **source:** NC-7. **group:** Ames. **Cultivated. Seed.**

PI 564844 to 564847. *Arachis hypogaea* L. FABACEAE Peanut

**Donated by:** Stalker, H.T., North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27695, United States. **remarks:** GP-NC WS1, WS2, WS3, and WS4 Peanut Germplasm. Received February 04, 1993.

PI 564844 **origin:** United States. **developed:** H.T. Stalker, M.K. Beute. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Dept. of Crop Science, Raleigh, North Carolina 27695 United States. **cultivar:** GP-NC WS1. **pedigree:** *Arachis hypogaea* (PI 261942 or PI 261943) ( $2n = 4x = 40$ ) / *A. cardenasii* (PI 262141). **other id:** GP-59. **source:** Crop Sci. 33(5):1117 1993. **group:** CSR-PEANUT. **restricted:** CSR. **remarks:** Semi-erect. No flowers produced on mainstem. Vegetative: reproductive nodes on lateral branches have alternating pattern and botanically belongs to ssp. *hypogaea* var. *hypogaea*. Mainstem not apparent at time of harvest. Pods slightly to moderately constricted. Seeds light pink, 35.8g/100 seeds. Has significantly fewer *Cercospora arachidicola* lesions than resistant *A. hypogaea* lines in the field and is considered to be resistant. Susceptible to *Cercosporidium personatum*. Spring Annual. Breeding Material. Seed.

PI 564845 **origin:** United States. **developed:** H.T. Stalker, M.K. Beute. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Dept. of Crop Science, Raleigh, North Carolina 27695 United States. **cultivar:** GP-NC WS2. **pedigree:** *Arachis hypogaea* (PI 261942 or PI 261943) ( $2n = 4x = 40$ ) / *A. cardenasii* (PI 262141). **other id:** GP-60. **source:** Crop Sci. 33(5):1117 1993. **group:** CSR-PEANUT. **restricted:** CSR. **remarks:** Bunch growth habit. Mainstem not apparent at harvest. No flowers produced on mainstem and lateral branches have a 1 vegetative: 6 or more reproductive pattern at nodes. Pods have slight constriction and prominent ridges. Seeds light pink, 33.5g/100. Has high levels of partial resistance to *Cercospora arachidicola* in the field by having significantly fewer lesions and less defoliation than resistant *A. hypogaea* lines. Fewer than 10% of lesions produce spores. Has partial resistance to *Cercosporidium personatum*. Spring Annual. Breeding Material. Seed.



PI 564844 to 564847-continued

PI 564846 **origin:** United States. **developed:** H.T. Stalker, M.K. Beute. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Dept. of Crop Science, Raleigh, North Carolina 27695 United States. **cultivar:** GP-NC WS3. **pedigree:** *Arachis hypogaea* (PI 261942 or PI 261943) ( $2n = 4x = 40$ ) / *A. cardenasii* (PI 262141). **other id:** GP-61. **source:** Crop Sci. 33(5):1117 1993. **group:** CSR-PEANUT. **restricted:** CSR. **remarks:** Bunch growth habit. Mainstem not apparent at harvest. Botanically belongs to ssp. *hypogaea* var. *hypogaea*. Pods moderately to highly constricted. Seeds light pink, 57.3g/100. High levels of partial resistance to *Cercospora arachidicola* by having significantly fewer lesions, a low percentage of defoliation and more favorable overall rating than other resistant *A. Hypogaea* genotypes tested. Also partial resistance to *Cercosporidium personatum*. Spring Annual. Breeding Material. Seed.

PI 564847 **origin:** United States. **developed:** H.T. Stalker, M.K. Beute. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Dept. of Crop Science, Raleigh, North Carolina 27695 United States. **cultivar:** GP-NC WS4. **pedigree:** *Arachis hypogaea* (PI 261942 or PI 261943) ( $2n = 4x = 40$ ) / *A. cardenasii* (PI 262141). **other id:** GP-62. **source:** Crop Sci. 33(5):1117 1993. **group:** CSR-PEANUT. **restricted:** CSR. **remarks:** Upright, tall bunch plant growth habit. Mainstem not apparent at time of harvest. Botanically belongs to ssp. *hypogaea* var. *hypogaea*. Pods have deep constriction and slight beak. Seeds tan, 48.1g/100. Significantly fewer lesions than resistant *A. hypogaea* lines, moderate levels of defoliation, and highly suppressed lesion sporulation. Also partial resistance to *Cercosporidium personatum* with a long latent period and low (ca. 20%) sporulation rate. Spring Annual. Breeding Material. Seed.

PI 564848. *Nicotiana tabacum* L. SOLANACEAE Tobacco

**Donated by:** Nielsen, M.T., Kentucky Agr. Exp. Sta., University of Kentucky, Lexington, Kentucky 40546-0091, United States. **remarks:** KY 8959 Burley Tobacco. Received February 04, 1993.

PI 564848-continued

**origin:** United States. **developed:** M.T. Nielsen, P.D. Legg, J.R. Calvert. **origin institute:** Kentucky Agr. Exp. Sta., University of Kentucky, Dept. of Agronomy, Lexington, Kentucky 40546-0091 United States. **cultivar:** KY 8959. **pedigree:** KY8529/TN 86, F5. **other id:** CV-107. **source:** Crop Sci. 33(5):1103 1993. **group:** CSR-TOBACCO. **restricted:** CSR. **remarks:** Height medium, semi-upright leaf orientation. Largest leaf averaged 65cm long and 37cm wide. Stalk diam. averaged 3.37cm. Adapted throughout burley-producing region of US. In 24 field trials in 5 states, mean cured leaf yield of 3659kg ha<sup>-1</sup>. High resistance to black root rot (*Thielaviopsis basicola*), TMMV, and wildfire (*Pseudomonas syringae* pv. *tabaci*). Medium resistance to TEV and fusarium wilt (*Fusarium oxysporum*). Cultivar. Seed.

PI 564849. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Hartwig, E.E., Agricultural Research Service -- USDA, Soybean Production Research, P.O. Box 196, Stoneville, Mississippi 38776, United States; and Tennessee Agr. Exp. Sta.; and Mississippi Agr. Exp. Sta.. Received February 02, 1993.

**origin:** United States. **developed:** E.E. Hartwig, J.M. Epps. **origin institute:** Agricultural Research Service -- USDA, Soybean Production Research, P.O. Box 196, Stoneville, Mississippi 38776 United States. **cultivar:** NATHAN. **pedigree:** Forrest(2) x (D68-18 x PI 88788), F5. **other id:** CV-161. **source:** Crop Sci. 22(6):1264 1982. **group:** CSR-SOYBEAN. **other id:** J74-51. **remarks:** Maturity Group V. Determinate plant type. Flowers white. Pubescence tawny. Pod walls tan. Seed coats yellow. Hila black. Resistant to races 3 and 4 of soybean cyst nematode (*SCN* *Heterodera glycines* Ichinohe) and to root-knot nematode (*Meloidogyne incognita*). Resistant to foliar disease bacterial pustule, caused by the bacterium *Xanthomonas phaseoli*. Good shatter resistance. Productive variety developed specifically for those areas where race 4 of the soybean cyst nematode is a problem and a variety maturing earlier than Bedford is desired. Cultivar. Seed.

PI 564850 to 564851. *Triticum aestivum* L., nom. cons. POACEAE Wheat

**Donated by:** Quick, J.S., Colorado State University, Agronomy Department, Fort Collins, Colorado 80523, United States. Received February 05, 1993.

PI 564850 to 564851-continued

PI 564850 **origin:** United States. **cultivar:** CORWAL. **pedigree:** Sumner/C0820026, F1//PI372129, F1/3/TAM107. **remarks:** Hard red winter wheat resistant to Russian wheat aphid (*Diuraphis noxia*, Mordvilko). Resistance derived from PI 372129. Similar to TAM107 in grain color and hardness, plant height, days to heading, straw strength, leaf and stem rust reactions, winter survival, grain volume weight and grain yield. Glume color white, marginal gluten quality as measured by sodium dodecyl sulfate test. Winter Annual. Breeding Material. Seed.

PI 564851 **origin:** United States. **origin institute:** Colorado State University, Agronomy Dept., Fort Collins, Colorado 80523 United States. **cultivar:** JULES. **pedigree:** NE76667/Hawk. **other id:** C0860094. **other id:** PVP 9400122. **source:** Pending. **group:** PVPO. **patent:** PVPO. **remarks:** Hard red winter wheat. Semidwarf height, awned, white chaff. Slightly later & taller than TAM107 or Yuma, lax heads at maturity. Slightly later in maturity, therefore, should be limited to irrigated areas, & to areas where longer season cultivars can express their yield & test weight potential. Excellent leaf rust resistance, winter hardiness, milling & baking quality. Winter Annual. Cultivar. Seed.

PI 564852. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Hallauer, A.R., Iowa State University, 1505 Agronomy Hall, Ames, Iowa 50011, United States. Received February 05, 1993.

**origin:** United States. **cultivar:** BSSS-53-1-1-1-1-1-1-1. **pedigree:** BSSSCO-53-1-1-1-1-1-1-1. **other id:** Iowa Stiff Stalk Synthetic. **other id:** Ames 20127. **source:** NC-7. **group:** Ames. **remarks:** Developed by single-seed descent from unselected strain of Iowa Stiff Stalk Synthetic (BSSSCO). One of 247 lines developed by single seed descent to study the effects of inbreeding depression and the inheritance of quantitative traits in BSSSCO. Relative to the mean of the 247 BSSSCO lines, has been below average yield, above average protein content, greater plant size, and flowers 4 days later. Has large tassels that average 32.4 branches, ears that average 18.1 kernel rows, and kernels that are highly dented and light yellow in color. Spring Annual. Breeding Material. Seed.

PI 564853 to 564854. *Agropyron cristatum* (L.) Gaertner POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

PI 564853 **donor id:** D-2779. **origin:** China. **source history:** Originally donated by Mr. Chu-Lai, Inner Mongolian College of Agriculture, Hohehot, Inner Mongolia, PRC. **collector:** D.R. Dewey. **collector id:** D-2779. **other id:** W6 10203. **group:** W6. **remarks:** Seed Increased: MB-105-31--40 (1988), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Perennial. Cultivated. Seed.

PI 564854 **donor id:** D-2780. **origin:** China. **source history:** Originally donated by Mr. Chu-Lai, Inner Mongolian College of Agriculture, Hohehot, Inner Mongolia, PRC. **collector:** D.R. Dewey. **collector id:** D-2780. **other id:** W6 10204. **group:** W6. **remarks:** Seed Increased: MB-104-31--40 (1988), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Perennial. Cultivated. Seed.

PI 564855. *Arachis hypogaea* L. FABACEAE Peanut

**Donated by:** Simpson, C.E., Texas Agr. Exp. Sta., Texas A&M University, Stephenville, Texas 76401, United States. Received March 05, 1993.

**origin:** United States. **developed:** C.E. Simpson, O.D. Smith. **origin institute:** Texas Agr. Exp. Sta., Texas A&M University, Stephenville, Texas 76401 United States. **cultivar:** Tamnut 74. **pedigree:** Starr/TPL 647-2-5. **other id:** CV-19. **source:** Crop Sci. 15(4):603 1975. **group:** CSR-PEANUT. **other id:** TP-716-2-1. **remarks:** Spanish type. Average yield exceeded all commercial Spanish cultivars in 39 tests 1969-1973. Pods more symmetrical and uniform in size and shape than other Spanish varieties. Quality and organoleptic characters similar to other Spanish varieties. Averaged 48.5% oil, 28.1% protein and an iodine number of 97 and O/L ratio of 1.28 : 1. Similar to other Spanish varieties in disease and insect response. Spring Annual. Cultivar. Seed.

PI 564856. *Agropyron cristatum* (L.) Gaertner POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

**donor id:** D-3595. **origin:** China. **source history:** Originally donated by Jack Carlson. **collected:** August 22, 1987. **collector:** D.R. Dewey. **collector id:** D-3595. **other id:** W6 10206. **group:** W6. **locality:** S of Ejin Horo Qi, Ordos Plateau, near Genghis Khan tombs. Nei Mongol. **remarks:** Seed Increased: MA-55-11--20 (1989), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Perennial. Cultivated. Seed.

PI 564857 to 564876. *Agropyron cristatum* (L.) Gaertner POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564857 **donor id:** DJ-3817. **origin:** Russian Federation. **collected:** August 07, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3817. **other id:** W6 10233. **group:** W6. **locality:** Open dry knoll near Ob Sea near Academy Town, Novosibirsk. Siberia. **elevation:** 200m. **remarks:** Leaves fine. Spike pectinate. Similar to Fairway. Probably diploid. Perennial. Seed.

PI 564858 **donor id:** DJ-3819. **origin:** Russian Federation. **collected:** August 07, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3819. **other id:** W6 10234. **group:** W6. **locality:** On dry road cut under pine trees. 174km S of Novosibirsk toward Barnaul on Highway M-52. Siberia. **elevation:** 200m. **remarks:** Typical. Seed.

PI 564859 **donor id:** DJ-3860. **origin:** Russian Federation. **collected:** August 11, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3860. **other id:** W6 10235. **group:** W6. **locality:** From an open rocky hillside, S of Highway M-52 at 610km marker near Tuetka (Gorno Altay A.O.). Siberia. **remarks:** Spikes short, pubescent. Seed.

PI 564860 **donor id:** DJ-3865. **origin:** Russian Federation. **collected:** August 11, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3865. **other id:** W6 10236. **group:** W6. **locality:** In open grassland mixed with *Stipa*, near 614km marker on Highway M-52, beyond Tuetka toward Onguday, Gorno Altay A.O. Siberia. **elevation:** 950m. **remarks:** Mixed population with pubescent or glabrous lemmas. Seed.

PI 564857 to 564876-continued

- PI 564861 **donor id:** DJ-3869. **origin:** Russian Federation.  
**collected:** August 11, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3869. **other id:** W6 10237.  
**group:** W6. **locality:** Near 656km marker on Highway M-52, beyond Onguday toward Cheketeman Pass, Gorno Altay A.O. Siberia. **elevation:** 1000m. **remarks:** Mixed population with pubescent or glabrous lemmas. Seed.
- PI 564862 **donor id:** DJ-3876. **origin:** Russian Federation.  
**collected:** August 11, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3876. **other id:** W6 10238.  
**group:** W6. **locality:** Growing in thorny shrubs on dry rocky slope. Mountainside opposite Cheketeman camp (located on the Ilgumen stream at the south side of Cheketeman Pass near 666km marker on Highway M-52, Gorno Altay A.O.). Siberia. **elevation:** 950m. **remarks:** Spikes dense, compact, pubescent. Seed.
- PI 564863 **donor id:** DJ-3886. **origin:** Russian Federation.  
**collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3886. **other id:** W6 10239.  
**group:** W6. **locality:** In thorny shrubs, on dry rocky slope. Mountainside opposite Cheketeman camp (located on Ilgumen stream at the south side of Cheketeman Pass near 666km marker on Highway M-52, Gorno Altay A.O.). Siberia. **elevation:** 1030m. **remarks:** Spikes pubescent. Seed.
- PI 564864 **donor id:** DJ-3949. **origin:** Russian Federation.  
**collected:** August 13, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3949. **other id:** W6 10240.  
**group:** W6. **locality:** Dry, open hillside. Side canyon to left of Highway M-52 at 667km marker between Cheketeman Pass and Aktash, 1km beyond Cheketeman camp, Gorno Altay A.O. Siberia. **elevation:** 920m. **remarks:** Spikes pubescent, ovoid. Seed.
- PI 564865 **donor id:** DJ-3951. **origin:** Russian Federation.  
**collected:** August 14, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3951. **other id:** W6 10241.  
**group:** W6. **locality:** Arid, heavily-grazed grassland. Near the 680km marker, on Highway M-52 toward Aktash, Gorno Altay A.O. Siberia. **remarks:** Spikes broad, pubescent. Seed.
- PI 564866 **donor id:** DJ-3986. **origin:** Russian Federation.  
**collected:** August 15, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3986. **other id:** W6 10242.  
**group:** W6. **locality:** Near the 661km marker. South side of Cheketeman Pass, Gorno Altay A.O., from the summit (660km marker on Highway 52 at 1250m) to the Cheketeman camp (666km marker at 960m). Siberia. **elevation:** 1200m. **remarks:** Glabrous. Seed.

PI 564857 to 564876-continued

- PI 564867 **donor id:** DJ-3996. **origin:** Russian Federation.  
**collected:** August 15, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3996. **other id:** W6 10243.  
**group:** W6. **locality:** Near the 662km marker. South side of Cheketeman Pass, Gorno Altay A.O., from the summit (660km marker on Highway 52 at 1250m) to Cheketeman camp (666km marker at 960m). Siberia. **elevation:** 1080m.  
**remarks:** Spikes pubescent. Seed.
- PI 564868 **donor id:** DJ-3998. **origin:** Russian Federation.  
**collected:** August 15, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3998. **other id:** W6 10244.  
**group:** W6. **locality:** Between 662 and 666km markers. South side of Cheketeman Pass, Gorno Altay A.O. from the summit (660km marker on Highway 52 at 1250m) to Cheketeman camp (666km marker at 960m). Siberia.  
**elevation:** 950-1080m. **remarks:** Bulk collection of several plant types. Seed.
- PI 564869 **donor id:** DJ-4000. **origin:** Russian Federation.  
**collected:** August 16, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4000. **other id:** W6 10245.  
**group:** W6. **locality:** Dry, rocky slope. Near 666km marker across road from Cheketeman camp (Gorno Altay A.O.). Siberia. **elevation:** 970m. **remarks:** Small pubescent spikes. Seed.
- PI 564870 **donor id:** DJ-4001. **origin:** Russian Federation.  
**collected:** August 16, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4001. **other id:** W6 10246.  
**group:** W6. **locality:** Near 666km marker across road from Cheketeman camp (Gorno Altay A.O.). Siberia. **elevation:** 970m. **remarks:** Spikes glabrous. Seed.
- PI 564871 **donor id:** DJ-4008. **origin:** Russian Federation.  
**collected:** August 16, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4008. **other id:** W6 10247.  
**group:** W6. **locality:** On open dry hillside. Near 681km marker on Highway M-52 (15km S of Cheketeman camp) toward Aktash and parallel to Katun River (Gorno Altay A.O.). Siberia. **elevation:** 850m. **remarks:** Spikes broad. Seed.
- PI 564872 **donor id:** DJ-4033. **origin:** Russian Federation.  
**collected:** August 19, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4033. **other id:** W6 10248.  
**group:** W6. **locality:** Open grassy slope. 35km W of Tuetka, Gorno Altay A.O. Siberia. **elevation:** 1180m.  
**remarks:** Glabrous and pubescent forms. Seed.

PI 564857 to 564876-continued

- PI 564873 **donor id:** DJ-4080. **origin:** Russian Federation. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4080. **other id:** W6 10249. **group:** W6. **locality:** Fairway-like. Downtown Novosibirsk, RSFSR. Siberia. **Seed.**
- PI 564874 **donor id:** DJ-4103. **origin:** Kazakhstan. **collected:** August 04, 1987. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4103. **other id:** W6 10250. **group:** W6. **locality:** From a stop on railway between Semipalatinsk to Alma Ata, Siberia. **remarks:** Agafonov collection. **Seed.**
- PI 564875 **donor id:** DJ-4193. **origin:** Russian Federation. **collected:** August 27, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4193. **other id:** W6 10251. **group:** W6. **locality:** Near the headquarters of Central Siberian Botanical Garden, Academy Town, Novosibirsk, RSFSR. Siberia. **elevation:** 200m. **remarks:** Spikes pubescent. **Seed.**
- PI 564876 **donor id:** DJ-4198. **origin:** Russian Federation. **source history:** Originally from Onguday, Gorno Altay A.O., RSFSR. **collected:** August 28, 1982. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4198. **other id:** W6 10252. **group:** W6. **locality:** From field plots at Central Siberian Botanical Garden, Academy Town, Novosibirsk. Siberia. **remarks:** Short rhizomes. **Seed.**

PI 564877 to 564880. *Agropyron cristatum* (L.) Gaertner POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 29, 1992.

- PI 564877 **donor id:** AJC-004. **origin:** Kazakhstan. **collected:** August 24, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-004. **other id:** W6 10552. **group:** W6. **locality:** Annual bluegrass site. 50km E of Uil River, Aktyubinsk region. **Seed.**
- PI 564878 **donor id:** AJC-016. **origin:** Russian Federation. **collected:** August 15, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-016. **other id:** W6 10553. **group:** W6. **locality:** Tuekta Cemetery, Altai region, Siberia. **Seed.**



PI 564877 to 564880-continued

PI 564879 **donor id:** AJC-020. **origin:** Russian Federation.  
**collected:** August 16, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-020. **other id:** W6 10555. **group:** W6. **locality:** Heavily grazed area. Altai region. **elevation:** 1269m. Seed.

PI 564880 **donor id:** AJC-021. **origin:** Russian Federation.  
**collected:** August 16, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-021. **other id:** W6 10556. **group:** W6. **locality:** 5km W of Yubagon village, Altai region, Siberia. Seed.

PI 564881. *Agropyron cristatum* (L.) Gaertner POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**donor id:** D-3755. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** September 09, 1986. **collector:** D.R. Dewey. **collector id:** D-3755. **other id:** W6 10621. **group:** W6. **other id:** Y419. **locality:** On lawn of Academy, Urumqi. **elevation:** 680m. **remarks:** Seed Increased: MA-86-61--75 (1991). Seed.

PI 564882 to 564884. *Agropyron cristatum* subsp. *pectinatum* (M.-Bieb.) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 29, 1992.

PI 564882 **donor id:** AJC-582. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-582. **other id:** W6 10590. **group:** W6. **remarks:** An induced octoploid. Seed.

PI 564883 **donor id:** AJC-585. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-585. **other id:** W6 10591. **group:** W6. **remarks:** Induced tetraploid. Seed.

PI 564882 to 564884-continued

PI 564884 **donor id:** AJC-589. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-589. **other id:** W6 10593. **group:** W6. **remarks:** "Hybrid 301". Seed.

PI 564885 to 564886. *Agropyron desertorum* (Fischer ex Link) Schultes  
POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 29, 1992.

PI 564885 **donor id:** AJC-027A. **origin:** Kazakhstan. **collected:** August 25, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-027A. **other id:** W6 10557. **group:** W6. **locality:** Dry, no grazing area, on edge of road. Martuk-1, 15km WNW of Martuk on route from Aktyubinsk to Orenburg, Aktyubinsk region. Seed.

PI 564886 **donor id:** AJC-592. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-592. **other id:** W6 10594. **group:** W6. **remarks:** 2n=28. Strain "Uralsky narrow spike". Seed.

PI 564887 to 564892. *Agropyron fragile* (Roth) Candargy POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 29, 1992.

PI 564887 **donor id:** AJC-038. **origin:** Kazakhstan. **source history:** Originally received from N.I. Vavilov All-Union Institute of Plant Industry, Leningrad, USSR. **collected:** January 17, 1989. **collector:** K.A. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-038. **other id:** W6 10558. **group:** W6. **other id:** VIR 36094. **locality:** Bozojski. **remarks:** 2n=28. Seed.

PI 564888 **donor id:** AJC-043. **origin:** Kazakhstan. **collected:** August 23, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-043. **other id:** W6 10559. **group:** W6. **locality:** Heavily grazed, eroded, sandy roadside. Aktu-200, Aktyubinsk region. Seed.

PI 564887 to 564892-continued

PI 564889 **donor id:** AJC-044. **origin:** Kazakhstan. **collected:** August 23, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-044. **other id:** W6 10560. **group:** W6. **locality:** Roadside, no grazing area. 43km SW of Aktyubinsk, Aktu-43, Aktyubinsk region. **remarks:** Single plant. Seed.

PI 564890 **donor id:** AJC-045. **origin:** Kazakhstan. **collected:** August 24, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-045. **other id:** W6 10561. **group:** W6. **locality:** Sandy and dry. Altikarasu area, on Khazak plain, Aktyubinsk region. Seed.

PI 564891 **donor id:** AJC-046. **origin:** Kazakhstan. **collected:** August 24, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-046. **other id:** W6 10562. **group:** W6. **locality:** Dry, grass/forb. Shuku-2, 30km SE of Shubar-Kuduk, Aktyubinsk region. Seed.

PI 564892 **donor id:** AJC-048. **origin:** Kazakhstan. **collected:** August 23, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-048. **other id:** W6 10563. **group:** W6. **locality:** Kelte-1 low area in big Khazak plain, Aktyubinsk region. Seed.

PI 564893 to 564896. *Brachypodium* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564893 **donor id:** DJ-3806. **origin:** Russian Federation. **collected:** August 06, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3806. **other id:** W6 10254. **group:** W6. **locality:** In moist swale close to Ob Sea near Academy Town, Novosibirsk, RSFSR. Siberia. **remarks:** Leaves broad, lax, green. Few seeds. Seed.

PI 564894 **donor id:** DJ-4021. **origin:** Russian Federation. **collected:** August 18, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4021. **other id:** W6 10255. **group:** W6. **locality:** On secondary gravel road. At top of Yabagon Pass about 55km W of Tuetka, Gorno Altay A.O. Siberia. **elevation:** 1480m. Seed.

PI 564893 to 564896-continued

- PI 564895 **donor id:** DJ-4075. **origin:** Russian Federation.  
**collected:** August 24, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4075. **other id:** W6 10256.  
**group:** W6. **locality:** Rocky outcrop adjacent to Katun River. 79km S of Biysk on Highway M-52, Altay Kray. Siberia. **elevation:** 250m. **Seed.**
- PI 564896 **donor id:** DJ-4194. **origin:** Russian Federation. **source history:** Originally from a forest site in the Kemerovo Oblast E of Novosibirsk, RSFSR. **collected:** August 28, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4194. **other id:** W6 10257. **group:** W6. **locality:** From field plots at Central Siberian Botanical Garden, Academy Town, Novosibirsk. Siberia. **remarks:** Leaves broad, light-green. Single spikelets. Considered to be a rare and endangered species. **Seed.**
- PI 564897 to 564900. *Bromus inermis* Leysser POACEAE
- Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.
- PI 564897 **donor id:** DJ-3808. **origin:** Russian Federation.  
**collected:** August 06, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3808. **other id:** W6 10258.  
**group:** W6. **locality:** On shore of Ob Sea near Academy Town, Novosibirsk, RSFSR. Siberia. **elevation:** 200m.  
**remarks:** Robust ecotype. Fertile. **Seed.**
- PI 564898 **donor id:** DJ-4003. **origin:** Russian Federation.  
**collected:** August 16, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4003. **other id:** W6 10259.  
**group:** W6. **locality:** Along power line behind Cheketeman camp (Gorno Altay A.O.) near the 666km marker. Siberia.  
**elevation:** 970m. **remarks:** Very large form. **Seed.**
- PI 564899 **donor id:** DJ-4078. **origin:** Russian Federation.  
**collected:** August 24, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4078. **other id:** W6 10260.  
**group:** W6. **locality:** Near the 83km marker on Highway M-52 S of Novosibirsk, RSFSR. Siberia. **elevation:** 300m.  
**Seed.**
- PI 564900 **donor id:** DJ-4172. **origin:** Russian Federation.  
**collected:** 1984. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4172. **other id:** W6 10261. **group:** W6.  
**other id:** VASHKNIL #189. **locality:** Omsk Oblast, RSFSR. Siberia. **remarks:** Agafonov collection. **Seed.**

PI 564901. *Bromus* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-3901. **origin:** Russian Federation.  
**collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3901. **other id:** W6 10262.  
**group:** W6. **locality:** Top north side of Cheketeman Pass, Gorno Altay A.O. from the summit (660km marker on Highway M-52 at 1250m) to its base (656km marker and 1010m). Siberia. **elevation:** 1250m. **remarks:** Panicles erect, pigmented. Seed.

PI 564902 to 564903. *Dactylis glomerata* L. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564902 **donor id:** DJ-3784. **origin:** Russian Federation.  
**collected:** August 04, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3784. **other id:** W6 10263.  
**group:** W6. **locality:** In shaded birch-pine woods between hotel and Central Siberian Botanical Garden in Academy Town, Novosibirsk, RSFSR. Siberia. **elevation:** 200m.  
**remarks:** Tall ecotype with culms to 180cm. Leaves pale green. Seed.

PI 564903 **donor id:** DJ-4174. **origin:** UNKNOWN. **collected:** August 27, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4174. **other id:** W6 10264. **group:** W6. **locality:** Central Siberian Botanical Garden #360. Siberia.  
**remarks:** Agafonov collection. Seed.

PI 564904. *Deschampsia* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-4058. **origin:** Russian Federation.  
**collected:** August 22, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4058. **other id:** W6 10265.  
**group:** W6. **locality:** At shoreline along the Katun River 5-10km N of the Kamlak Field Station of Central Siberian Botanical Garden, Gorno Altay A.O. Siberia. **elevation:** 400m. Seed.

PI 564905. *Elymus abolinii* (Drobov) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-4133. **origin:** Kazakhstan. **collected:** August 06, 1985. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4133. **other id:** W6 10276. **group:** W6. **other id:** Agafonov #30. **locality:** In mountains near Alma Ata, Siberia. **Seed.**

PI 564906. *Elymus aristiglumis* (Keng & S. L. Chen) S. L. Chen POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**donor id:** D-3776. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** September 06, 1987. **collector:** D.R. Dewey. **collector id:** D-3776. **other id:** W6 10633. **group:** W6. **other id:** Y608. **locality:** In a stony ravine, Akazi, between Akmeqit and Mazar, Yecheng. **elevation:** 2620m. **remarks:** Seed Increased: MB-89-21--40 (1991). **Seed.**

PI 564907 to 564908. *Elymus canadensis* L. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

PI 564907 **donor id:** KJ-55. **origin:** United States. **collector:** K.B. Jensen. **collector id:** KJ-55. **other id:** W6 10210. **group:** W6. **locality:** Along cliffs, river, 19.9 miles W of Junction 287 and 14, heading toward Walden on Hwy 14. **remarks:** Seed Increased: MA-22-56--65 (1989), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Plants very fertile, some very large. Cultivated. **Seed.**

PI 564908 **donor id:** KJ-67. **origin:** United States. **collected:** 1987. **collector:** K.B. Jensen. **collector id:** KJ-67. **other id:** W6 10211. **group:** W6. **locality:** 4.6 miles SW of Fremont County Line, on Hwy 115 heading towards Canston. **remarks:** Seed Increased: MA-22-71--80, USDA-ARS, Utah State University, Logan, Utah 84322-6300. Cultivated. **Seed.**

PI 564909 to 564915. *Elymus caninus* (L.) L. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564909 **donor id:** DJ-3810. **origin:** Russian Federation. **source history:** Originally from the vicinity of Alma Ata in Kazakh SSR. **collected:** August 06, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3810. **other id:** W6 10269. **group:** W6. **locality:** Field plots of O. & A. Agafonov in Central Siberian Botanical Garden, Academy Town, Novosibirsk, RSFSR. Siberia. **remarks:** Looks like *Elymus caninus*. Seed.

PI 564910 **donor id:** DJ-3831. **origin:** Russian Federation. **collected:** August 09, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3831. **other id:** W6 10270. **group:** W6. **locality:** Along the Sema River at Kamlak Field Station of Central Siberian Botanical Garden (Gorno Altay A.O.). Siberia. **elevation:** 340m. **remarks:** Typical. Seed.

PI 564911 **donor id:** DJ-3948. **origin:** Russian Federation. **collected:** August 13, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3948. **other id:** W6 10271. **group:** W6. **locality:** Top of ridge. A side canyon to left of Highway M-52 at 667km marker between Cheketeman Pass and Aktash, 1km beyond Cheketeman camp, Gorno Altay A.O. Siberia. **elevation:** 1100m. **remarks:** 1 or 2 spikelets per node. Awed. Seed.

PI 564912 **donor id:** DJ-4005. **origin:** Russian Federation. **collected:** August 16, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4005. **other id:** W6 10272. **group:** W6. **locality:** Along power line behind Cheketeman camp (Gorno Altay A.O.) near 666km marker. Siberia. **elevation:** 970m. **remarks:** Shaded area. Typical. Seed.

PI 564913 **donor id:** DJ-4126. **origin:** Kazakhstan. **collected:** August 10, 1985. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4126. **other id:** W6 10273. **group:** W6. **other id:** Agafonov #51. **locality:** In mountains near Alma Ata, Siberia. **remarks:** Spikes flexuous. Awed. Seed.

PI 564914 **donor id:** DJ-4163. **origin:** UNKNOWN. **source history:** Turko Finland. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4163. **other id:** W6 10274. **group:** W6. **remarks:** Agafonov collection. Spikes coarse. Seed.

PI 564909 to 564915-continued

PI 564915 **donor id:** DJ-3975. **origin:** Russian Federation.  
**collected:** August 15, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3975. **other id:** W6 10277.  
**group:** W6. **locality:** At 660km marker, south side of Cheketeman Pass, Gorno Altay A.O. from the summit (660km marker on Highway 52 at 1250m) to Cheketeman camp (666km marker at 960m). Siberia. **elevation:** 1260m. **remarks:** Awned. Seed.

PI 564916. *Elymus ciliaris* (Trin.) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-4093. **origin:** Russian Federation.  
**collected:** August 26, 1986. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4093. **other id:** W6 10311.  
**group:** W6. **other id:** Agafonov #16. **locality:** Primorye Kray, RSFSR. Siberia. Seed.

PI 564917. *Elymus ciliaris* (Trin.) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**donor id:** D-4253. **origin:** Russian Federation. **source history:** Originally donated by Helen Chernykh.  
**collected:** October 02, 1989. **collector:** D.R. Dewey.  
**collector id:** D-4253. **other id:** W6 10642. **group:** W6.  
**other id:** #39. **locality:** Mixed forest at Muraveika village near Vladivostock, Soviet Far East. **remarks:** Seed Increased: MB-109-71--80 (1991). Seed.

PI 564918. *Elymus confusus* (Rosch.) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 29, 1992.



PI 564918-continued

**donor id:** AJC-225. **origin:** Russian Federation. **source history:** N.I. Vavilov All-Union Institute of Plant Industry, Leningrad. **collected:** 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-225. **other id:** W6 10564. **group:** W6. **other id:** VIR 45911. **locality:** Dikorastuscij Buryat ASSR. Seed.

PI 564919. *Elymus dahuricus* Turcz. ex Griseb. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

**donor id:** J-15. **origin:** Pakistan. **source history:** Originally donated by D.A. Johnson. **collected:** August 27, 1986. **collector:** D.A. Johnson. **collector id:** J-15. **other id:** W6 10213. **group:** W6. **locality:** Shishket. **remarks:** Seed Increased: MB-92-26--45, (1988), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Cultivated. Seed.

PI 564920. *Elymus dahuricus* Turcz. ex Griseb. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-3908. **origin:** Russian Federation. **collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3908. **other id:** W6 10317. **group:** W6. **locality:** North side near top of Cheketeman Pass, Gorno Altay A.O., from summit (660km marker on Highway M-52 at 1250m) to its base (656km marker and 1010m). Siberia. **elevation:** 1240m. **remarks:** Spikes intensely purple. Seed.

PI 564921 to 564922. *Elymus dahuricus* Turcz. ex Griseb. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

PI 564921 to 564922-continued

PI 564921 **donor id:** D-3650. **origin:** China. **source history:** Originally donated by Jack Carlson (SCS). **collected:** August 21, 1988. **collector:** D.R. Dewey. **collector id:** D-3650. **other id:** W6 10615. **group:** W6. **locality:** Growing in irrigated Populus windbreak, Bai Yin Ha Te Grassland Station 30km E of Wu La Te Zhong Qi, which is 70km N of Wuyuan, Inner Mongolia. **remarks:** Seed Increased: MA-11-76--85 (1991). Seed.

PI 564922 **donor id:** DT-3087. **origin:** China. **collected:** August 08, 1983. **collector:** D.R. Dewey. **collector id:** DT-3087. **other id:** W6 10647. **group:** W6. **locality:** In mountains toward Tian Lake. **elevation:** 1600m. **remarks:** Seed Increased: C-40-1--5 (1991). Seed.

PI 564923 to 564925. *Elymus dentatus* subsp. *ugamicus* (Drobov) Tzvelev  
POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564923 **donor id:** DJ-4111. **origin:** Kyrgyzstan. **collected:** August 15, 1987. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4111. **other id:** W6 10299. **group:** W6. **other id:** Agafonov #5. **locality:** Tian Shan Mountains, Siberia. **remarks:** Glumes very broad. **received as:** *Elymus nevski*. Seed.

PI 564924 **donor id:** DJ-4112. **origin:** Kyrgyzstan. **collected:** August 17, 1987. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4112. **other id:** W6 10300. **group:** W6. **locality:** Tian Shan Mountains, Siberia. **remarks:** Agafonov collection. Glumes very large. **received as:** *Elymus nevski*. Seed.

PI 564925 **donor id:** DJ-3798. **origin:** Russian Federation. **source history:** Originally from the Talas Range of Tian Shan Mountains, Khirgiz SSR. **collected:** August 05, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3798. **other id:** W6 10334. **group:** W6. **locality:** Field plots of O. & A. Agafonov in Central Siberian Botanical Garden, Academy Town, Novosibirsk, RSFSR. Siberia. **remarks:** Looks like *E. ugamicus*. Culms to 120cm. Spike unilateral. Glumes large. Lemmas mucronate. **received as:** *Elymus nevski*. Seed.

PI 564926. *Elymus drobovii* (Nevski) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**origin:** Russian Federation. **source history:** Originally donated by Vello Jaaska. **collector:** D.R. Dewey. **other id:** W6 10549. **group:** W6. **locality:** A forest of oaks, nuts, and wild apples. 50km N of Dzalal-Abad near Arslanbub in the Ferghane Mt. range, Southern SSR. **remarks:** Seed increased: C-47-71--75 (1991). Seed.

PI 564927 to 564928. *Elymus fedtschenkoi* Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564927 **donor id:** DJ-4117. **origin:** Kazakhstan. **collected:** August 10, 1985. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4117. **other id:** W6 10320. **group:** W6. **other id:** Agafonov #72. **locality:** In mountains near Alma Ata, Siberia. **remarks:** Glumes large. Awned. Seed.

PI 564928 **donor id:** DJ-4127. **origin:** Kazakhstan. **collected:** August 02, 1985. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4127. **other id:** W6 10321. **group:** W6. **other id:** Agafonov #45. **locality:** In mountains near Alma Ata, Siberia. **remarks:** Spikes purple. Awned. Glumes broad. Seed.

PI 564929. *Elymus fedtschenkoi* Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**donor id:** DJ-4117. **origin:** Kazakhstan. **source history:** Originally donated by Olga and Alex Agafonov, Central Siberian Botanical Garden. **collected:** August 10, 1985. **collector:** D.R. Dewey, D.A. Johnson. **collector id:** DJ-4117. **other id:** W6 10646. **group:** W6. **other id:** Agafonov #72. **locality:** In mountains near Alma Ata. **remarks:** Seed Increased: MA-78-72--85 (1991). Awned. Glumes large. Seed.

PI 564930 to 564932. *Elymus fibrosus* (Schrenk) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564930 **donor id:** DJ-3791. **origin:** Russian Federation. **source history:** Originally from Primorsky Region of Soviet Far East.. **collected:** August 05, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3791. **other id:** W6 10322. **group:** W6. **locality:** Field plots of O. & A. Agafonov in Central Siberian Botanical Garden, Academy Town, Novosibirsk, RSFSR. Siberia. **remarks:** Spikes drooping. Culms to 90cm. Seed.

PI 564931 **donor id:** DJ-3957. **origin:** Russian Federation. **collected:** August 14, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3957. **other id:** W6 10324. **group:** W6. **locality:** Town square in Aktash, Gorno Altay A.O. Siberia. **elevation:** 1330m. **remarks:** Spikes dense. Seed.

PI 564932 **donor id:** DJ-3958. **origin:** Russian Federation. **collected:** August 14, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3958. **other id:** W6 10325. **group:** W6. **locality:** Town square in Aktash, Gorno Altay A.O. Siberia. **elevation:** 1330m. **remarks:** Spikes Slender. Seed.

PI 564933. *Elymus fibrosus* (Schrenk) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 29, 1992.

**donor id:** AJC-241. **origin:** Kazakhstan. **source history:** N.I. Vavilov All-Union Institute of Plant Industry, Leningrad. **collected:** January 17, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-241. **other id:** W6 10568. **group:** W6. **other id:** VIR 33701. **locality:** Severo-Kazakhskij 1037 Kustanaj Region. Seed.

PI 564934. *Elymus glaucissimus* (Popov) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564934-continued

**donor id:** DJ-4118. **origin:** Kazakhstan. **collected:** August 10, 1985. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4118. **other id:** W6 10326. **group:** W6. **other id:** Agafonov #40-44. **locality:** In mountains near Alma Ata, Siberia. **Seed.**

PI 564935. *Elymus glaucus* Buckley POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**donor id:** KJ-28. **origin:** United States. **collected:** 1987. **collector:** K.B. Jensen. **collector id:** KJ-28. **other id:** W6 10651. **group:** W6. **locality:** Northside of road, 8.1 miles E on Hwy 20 from intersection of Hwy 84 & Hwy 20. **remarks:** Seed Increased: MA-20-21--30 (1991). **Seed.**

PI 564936. *Elymus gmelinii* (Ledeb.) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-3888. **origin:** Russian Federation. **collected:** August 12, 1992. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3888. **other id:** W6 10327. **group:** W6. **locality:** Growing in thorny shrubs on dry rocky slope. On mountainside opposite Cheketeman camp (located on the Ilgumen stream at S side of Cheketeman Pass near the 666km marker on Highway M-52, Gorno Atlay A.O.). Siberia. **elevation:** 1030m. **remarks:** Typical. **Seed.**

PI 564937 to 564938. *Elymus hybrid* POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564937 to 564938-continued

PI 564937 **donor id:** DJ-3893. **origin:** Russian Federation.  
**collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3893. **other id:** W6 10330.  
**group:** W6. **locality:** Shaded, moist slope. On mountainside opposite the Cheketeman camp (located on the Ilgumen stream at S side of Cheketeman Pass near the 666km marker on Highway M-52, Gorno Altay A.O.). Siberia. **elevation:** 1090m. **remarks:** Possibly *E. gmelinii* X *E. pendulinus*. Seed.

PI 564938 **donor id:** DJ-4014. **origin:** Russian Federation.  
**collected:** August 16, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4014. **other id:** W6 10331.  
**group:** W6. **locality:** Moist canyon site. Near 681km marker on Highway M-52 (15km S of Cheketeman camp) toward Aktash and parallel to Katun River (Gorno Altay A.O.). Siberia. **elevation:** 980m. **remarks:** Composite of several F1 hybrids. Few seeds. Seed.

PI 564939. *Elymus komarovii* (Nevski) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-4178. **origin:** UNKNOWN. **source history:** Central Siberian Botanical Garden #225, Siberia.  
**collected:** September 05, 1988. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4178. **other id:** W6 10332.  
**group:** W6. **remarks:** Agafonov collection. Seed.

PI 564940 to 564941. *Medicago* sp. FABACEAE

**Donated by:** Caddel, J.L., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078, United States. Received July 18, 1977.

PI 564940 **origin:** Morocco. **collected:** July 18, 1991. **collector:** J.L. Caddel. **other id:** W6 11365. **group:** W6. **other id:** PI 418630. **locality:** Coastal area. **remarks:** One of three types of seeds collected in PI 418630. Plants produced long pods. Annual. Wild. Seed.

PI 564941 **origin:** Morocco. **collected:** July 18, 1991. **collector:** J.L. Caddel. **other id:** W6 11366. **group:** W6. **other id:** PI 418630. **locality:** Coastal area. **remarks:** One of three types of seeds collected in PI 418630. Plants produced short pods. Annual. Wild. Seed.

PI 564942 to 564943. *Elymus longearistatus* (Boiss.) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

PI 564942 **donor id:** J-96. **origin:** Pakistan. **source history:** Originally donated by D.A. Johnson. **collected:** September 1986. **collector:** D.A. Johnson. **collector id:** J-96. **other id:** W6 10216. **group:** W6. **locality:** Road to Deosai Plateau. **elevation:** 3344m. **remarks:** Seed Increased: MB-89-1--10, (1988), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Cultivated. Seed.

PI 564943 **donor id:** J-113. **origin:** Pakistan. **source history:** Originally donated by D.A. Johnson. **collected:** September 1986. **collector:** D.A. Johnson. **collector id:** J-113. **other id:** W6 10217. **group:** W6. **locality:** Road to Deosai Plateau. **elevation:** 3871m. **remarks:** Seed Increased: MB-85-1--15, USDA-ARS, Utah State University, Logan, Utah 84322-6300. Cultivated. Seed.

PI 564944 to 564945. *Elymus macrochaetus* (Nevski) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564944 **donor id:** DJ-4122. **origin:** Kazakhstan. **collected:** August 02, 1985. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4122. **other id:** W6 10283. **group:** W6. **locality:** In mountains near Alma Ata, Siberia. **remarks:** Agafonov (composite of several #'s). Awned. Glumes broad. Seed.

PI 564945 **donor id:** DJ-4135. **origin:** Kazakhstan. **collected:** July 31, 1985. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4135. **other id:** W6 10286. **group:** W6. **locality:** In mountains near Alma Ata, Siberia. **remarks:** Agafonov collection. Awned. Seed.

PI 564946 to 564954. *Elymus mutabilis* (Drobov) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564946 to 564954-continued

- PI 564946 **donor id:** DJ-3935. **origin:** Russian Federation.  
**collected:** August 13, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3935. **other id:** W6 10287.  
**group:** W6. **locality:** From a conifer slope across the Ilgumen stream at N base of Cheketeman pass (Cheketeman camp), Gorno Altay A.O. Siberia. **elevation:** 950m.  
**remarks:** Bulk of several plant types. Seed.
- PI 564947 **donor id:** DJ-3947. **origin:** Russian Federation.  
**collected:** August 13, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3947. **other id:** W6 10289.  
**group:** W6. **locality:** Top of ridge. A side canyon to left of Highway M-52 at 667km marker between Cheketeman Pass and Aktash, 1km beyond Cheketeman camp, Gorno Altay A.O. Siberia. **elevation:** 1100m. **remarks:** Bulk of many plants. Seed.
- PI 564948 **donor id:** DJ-4006. **origin:** Russian Federation.  
**collected:** August 16, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4006. **other id:** W6 10292.  
**group:** W6. **locality:** Rocky, moist slope. Along power line behind Cheketeman camp (Gorno Altay A.O.) near 666km marker. Siberia. **elevation:** 970m. **remarks:** Spikes slender, awned. Seed.
- PI 564949 **donor id:** DJ-4042. **origin:** Russian Federation.  
**collected:** August 21, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4042. **other id:** W6 10293.  
**group:** W6. **locality:** Moist ravine. Mountainside W of Kamlak Field Station of Central Siberian Botanical Garden (Gorno Altay A.O.) from 540m at bottom to 840m at top. Siberia. **elevation:** 540m. **remarks:** May be mixed with *Elytrigia repens*. Spikes long, arched. Awns short. Seed.
- PI 564950 **donor id:** DJ-4045. **origin:** Russian Federation.  
**collected:** August 21, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4045. **other id:** W6 10295.  
**group:** W6. **locality:** Moist ravine. Mountainside W of Kamlak Field Station of Central Siberian Botanical Garden (Gorno Altay A.O.) from 540m at bottom to 840m at top. Siberia. **elevation:** 520m. **remarks:** Spikes long, arched. Seed.
- PI 564951 **donor id:** DJ-4056. **origin:** Russian Federation.  
**collected:** August 22, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4056. **other id:** W6 10296.  
**group:** W6. **locality:** Along the Katun River 5-10km N of Kamlak Field Station of Central Siberian Botanical Garden, Gorno Altay A.O. Siberia. **elevation:** 400m.  
**remarks:** Spikes small. Seed.



PI 564946 to 564954-continued

PI 564952 **donor id:** DJ-4073. **origin:** Russian Federation.  
**collected:** August 22, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4073. **other id:** W6 10297.  
**group:** W6. **locality:** Along the Katun River 5-10km N of Kamlak Field Station of Central Siberian Botanical Garden, Gorno Altay A.O. Siberia. **elevation:** 400m.  
Seed.

PI 564953 **donor id:** DJ-4150. **origin:** Russian Federation.  
**collected:** August 31, 1988. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4150. **other id:** W6 10298.  
**group:** W6. **locality:** S of Lake Issyk Kul, Kazakh SSR. Siberia. **remarks:** Agafonov collection. Awned. Seed.

PI 564954 **donor id:** DJ-4149. **origin:** Kazakhstan. **collected:** August 20, 1988. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4149. **other id:** W6 10333. **group:** W6.  
**locality:** South of Lake Issyk Kul, Siberia. **remarks:** Agafonov composite. Seed.

PI 564955. *Elymus mutabilis* subsp. *praecaespitosus* (Nevski) Tzvelev  
POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-4151. **origin:** Kazakhstan. **collected:** August 23, 1988. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4151. **other id:** W6 10302. **group:** W6.  
**locality:** South of Lake Issyk Kul, Siberia. **remarks:** Spikes large. Seed.

PI 564956. *Elymus nutans* Griseb. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

**donor id:** J-19. **origin:** Pakistan. **source history:** Originally donated by D.A. Johnson. **collected:** August 27, 1986. **collector:** D.A. Johnson. **collector id:** J-19. **other id:** W6 10219. **group:** W6. **locality:** Shishket. **remarks:** Seed Increased: MB-86-41--55 (1988), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Cultivated. Seed.

PI 564957 to 564958. *Elymus parviglumis* (Keng) A. Love POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

PI 564957 **donor id:** D-3779. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** September 09, 1988. **collector:** D.R. Dewey. **collector id:** D-3779. **other id:** W6 10635. **group:** W6. **other id:** Y1050. **locality:** Under popular trees, S of Nedong 12km. **elevation:** 3550m. **remarks:** Seed Increased: MB-102-41--50 (1991). Seed.

PI 564958 **donor id:** D-4261. **origin:** China. **source history:** Originally donated by Dr. Roland von Bothmer, Swedish University of Agricultural Sciences, Dept. of Crop Genetics, S-26800, Svalov. **collected:** August 10, 1986. **collector:** D.R. Dewey. **collector id:** D-4261. **other id:** W6 10643. **group:** W6. **other id:** H-7087. **locality:** Rich grassy slope 3km N of Mijalou, Li Xian county. **elevation:** 2700m. **remarks:** Seed Increased: MB-102-51--60 (1991). Seed.

PI 564959 to 564960. *Elymus pendulinus* (Nevski) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564959 **donor id:** DJ-3889. **origin:** Russian Federation. **collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3889. **other id:** W6 10338. **group:** W6. **locality:** On shaded, moist slope. On mountainside opposite the Cheketeman camp (located on the Ilgumen stream at S side of Cheketeman Pass near the 666km marker on Highway M-52, Gorno Altay A.O.). Siberia. **elevation:** 1030m. **remarks:** Spikes purplish, curved. Seed.

PI 564960 **donor id:** DJ-3973. **origin:** Russian Federation. **collected:** August 14, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3973. **other id:** W6 10340. **group:** W6. **locality:** Moist site. Near the 759km marker on Highway M-52 toward Aktash, Gorno Altay A.O. Siberia. **elevation:** 1050m. Seed.

PI 564961. *Elymus pendulinus* (Nevski) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**donor id:** DJ-4002. **origin:** Russian Federation.  
**collected:** August 16, 1989. **collector:** D.R. Dewey, D.A. Johnson. **collector id:** DJ-4002. **other id:** W6 10645.  
**group:** W6. **locality:** Along a power line behind the Cheketeman Camp (Gorno Altay A.O.), near the 666km marker. **elevation:** 970m. **remarks:** Seed Increased: MB-112-21--30 (1991). Very large form. Seed.

PI 564962 to 564963. *Elymus schrenkianus* (Fischer & C. Meyer) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

PI 564962 **donor id:** D-3782. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** September 21, 1988. **collector:** D.R. Dewey. **collector id:** D-3782. **other id:** W6 10638. **group:** W6. **other id:** Y1402. **locality:** W of Gongbo' gyamda 127km, Mila Mt. **elevation:** 4750m. **remarks:** Seed Increased: MB-103-21--40 (1991). Seed.

PI 564963 **donor id:** D-4266. **origin:** China. **source history:** Originally donated by Dr. Roland von Bothmer, Swedish University of Agricultural Sciences, Dept. of Crop Genetics, Svalov. **collected:** September 21, 1988. **collector:** D.R. Dewey. **collector id:** D-4266. **other id:** W6 10644. **group:** W6. **other id:** S-26800. **other id:** H-8387. **locality:** 127km W of Gongbogyamda. **elevation:** 4700m. **remarks:** Seed Increased: MB-103-11--20 (1991). Seed.

PI 564964. *Elymus semicostatus* (Nees ex Steudel) Meld. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

PI 564964-continued

**donor id:** J-6. **origin:** Pakistan. **source history:** Originally donated by D.A. Johnson. **collected:** August 27, 1986. **collector:** D.A. Johnson. **collector id:** J-6. **other id:** W6 10221. **group:** W6. **locality:** Jafarabad. **remarks:** Seed Increased: MB-87-36--55 (1988), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Cultivated. Seed.

PI 564965. *Elymus sibiricus* L. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**donor id:** D-1221. **origin:** Russian Federation. **collector:** D.R. Dewey. **collector id:** D-1221. **other id:** W6 10604. **group:** W6. **remarks:** Seed Increased: MB-90-31--40. Seed.

PI 564966. *Elymus* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

**donor id:** J-155. **origin:** Nepal. **source history:** Originally donated by D.A. Johnson. **collected:** September 13, 1986. **collector:** D.A. Johnson. **collector id:** J-115. **other id:** W6 10222. **group:** W6. **locality:** Jarkot, 7km E of Kagbenii, Mustang. **elevation:** 3405m. **remarks:** Seed Increased: MB-87-57--75 (1989), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Cultivated. Seed.

PI 564967 to 564975. *Elymus* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564967 **donor id:** DJ-3850. **origin:** Russian Federation. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3850. **other id:** W6 10345. **group:** W6. **locality:** Along the Katun River near its confluence with the Sema River near Kamlak (Gorno Altay A.O.). Siberia. **elevation:** 350m. Seed.

PI 564967 to 564975-continued

- PI 564968 **donor id:** DJ-3887. **origin:** Russian Federation. **collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3887. **other id:** W6 10346. **group:** W6. **locality:** Growing in thorny shrubs on dry rocky slope. On mountainside opposite Cheketeman camp (located on Ilgumen stream at S side of Cheketeman Pass near the 666km marker on Highway M-52, Gorno Altay A.O.). Siberia. **elevation:** 1030m. **remarks:** Spikes long, slender, purplish. Awns short. Seed.
- PI 564969 **donor id:** DJ-3907. **origin:** Russian Federation. **collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3907. **other id:** W6 10347. **group:** W6. **locality:** North side near top of Cheketeman Pass, Gorno Altay A.O., from summit (660km marker on Highway M-52 at 1250m) to its base (656km marker and 1010m). Siberia. **elevation:** 1240m. **remarks:** Spikes long, slightly curved. Seed.
- PI 564970 **donor id:** DJ-4047. **origin:** Russian Federation. **collected:** August 21, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4047. **other id:** W6 10350. **group:** W6. **locality:** Moist ravine. Mountainside W of Kamlak Field Station of Central Siberian Botanical Garden (Gorno Altay A.O.) from 540m at bottom to 840m at top. Siberia. **elevation:** 540m. **remarks:** Awns short. Seed.
- PI 564971 **donor id:** DJ-4105. **origin:** Russian Federation. **collected:** 1987. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4105. **other id:** W6 10351. **group:** W6. **other id:** Agafonov #ACD-87-1. **locality:** Academy Town near Novosibirsk, RSFSR. Siberia. Seed.
- PI 564972 **donor id:** DJ-4140. **origin:** Kazakhstan. **collected:** August 24, 1988. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4140. **other id:** W6 10352. **group:** W6. **locality:** South of Lake Issyk Kul, Siberia. **remarks:** Agafonov collection. Non-pigmented spikes. Spikelets distant. Awns long. Seed.
- PI 564973 **donor id:** DJ-4143. **origin:** Kazakhstan. **collected:** August 20, 1988. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4143. **other id:** W6 10353. **group:** W6. **locality:** South of Lake Issyk Kul, Siberia. **remarks:** Agafonov collection. Spikes narrow, dense. Seed.
- PI 564974 **donor id:** DJ-4184. **origin:** UNKNOWN. **source history:** Central Siberian Botanical Garden #221, Siberia. **collected:** August 27, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4184. **other id:** W6 10355. **group:** W6. **remarks:** Spikes purple. Awned. Seed.

PI 564967 to 564975-continued

PI 564975 **donor id:** DJ-4185. **origin:** UNKNOWN. **source history:** Central Siberian Botanical Garden #226, Siberia. **collected:** September 1988. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4185. **other id:** W6 10356. **group:** W6. **other id:** Agafonov #KAS-5. **remarks:** Awned. Seed.

PI 564976. *Elymus* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**donor id:** D-4242. **origin:** Russian Federation. **source history:** Originally donated by Helen Chernykh. **collected:** September 18, 1989. **collector:** D.R. Dewey. **collector id:** D-4242. **other id:** W6 10641. **group:** W6. **other id:** #28. **locality:** Cliffs along the seashore at Zaveti Llyicha village near Sovetskaya Gavan, Soviet Far East. **remarks:** Seed Increased: MB-90-21--30 (1991). Seed.

PI 564977 to 564987. *Elymus trachycaulus* (Link) Gould ex Shinn.  
POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564977 **donor id:** DJ-3897. **origin:** Russian Federation. **collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3897. **other id:** W6 10306. **group:** W6. **locality:** At summit of Cheketeman Pass. N side of Cheketeman Pass, Gorno Altay A.O., from the summit (660km marker on Highway M-52 at 1250m) to its base (656km marker and 1010m). Siberia. **elevation:** 1250m. **remarks:** Spikes dense. Seed.

PI 564978 **donor id:** DJ-3977. **origin:** Russian Federation. **collected:** August 15, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3977. **other id:** W6 10307. **group:** W6. **locality:** At 660km marker. South side of Cheketeman Pass, Gorno Altay A.O. from summit (660km marker on Highway 52 at 1250m) to Cheketeman camp (666km marker at 960m). Siberia. **elevation:** 1250m. **remarks:** Leaves broad, bright green. Culms and spikes coarse, erect. Seed.

PI 564977 to 564987-continued

- PI 564979 **donor id:** DJ-3789. **origin:** Russian Federation. **collected:** August 05, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3789. **other id:** W6 10357. **group:** W6. **locality:** In shaded birch-pine woods near hotel in Academy Town, Novosibirsk, RSFSR. Siberia. **elevation:** 200m. **remarks:** Spikes short, slender. Awnless. Seed.
- PI 564980 **donor id:** DJ-3793. **origin:** Russian Federation. **source history:** Originally from Primorsky Region of Soviet Far East. **collected:** August 05, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3793. **other id:** W6 10358. **group:** W6. **locality:** Field plots of O. & A. Agafonov in Central Siberian Botanical Garden, Academy Town, Novosibirsk, RSFSR. Siberia. **remarks:** Spikes drooping. Culms to 90cm. Seed.
- PI 564981 **donor id:** DJ-3805. **origin:** Russian Federation. **collected:** August 06, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3805. **other id:** W6 10359. **group:** W6. **locality:** In pine forest close to Ob Sea near Academy Town, Novosibirsk, RSFSR. Siberia. **elevation:** 200m. **remarks:** Typical. Seed.
- PI 564982 **donor id:** DJ-3823. **origin:** Russian Federation. **collected:** August 08, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3823. **other id:** W6 10360. **group:** W6. **locality:** Near railroad station at Troitskoe, a village between Barnaul and Biysk. Siberia. **elevation:** 200m. **remarks:** Typical. Seed.
- PI 564983 **donor id:** DJ-3859. **origin:** Russian Federation. **collected:** August 11, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3859. **other id:** W6 10361. **group:** W6. **locality:** On Highway M-52 near Tuetka village S of Seminsky Pass, (Gorno Altay A.O.). Siberia. **elevation:** 950m. **remarks:** Typical. Seed.
- PI 564984 **donor id:** DJ-3873. **origin:** Russian Federation. **collected:** August 11, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3873. **other id:** W6 10362. **group:** W6. **locality:** Growing among granite boulders and talus. Near 660km marker on Highway M-52 at top of Cheketeman Pass, Gorno Altay A.O. Siberia. **elevation:** 1250m. **remarks:** Typical. Seed.
- PI 564985 **donor id:** DJ-3956. **origin:** Russian Federation. **collected:** August 14, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3956. **other id:** W6 10364. **group:** W6. **locality:** Near Tchuya River at 777km marker on Highway M-52 toward Aktash, Gorno Altay A.O. Siberia. **remarks:** Typical. Seed.

PI 564977 to 564987-continued

PI 564986 **donor id:** DJ-3997. **origin:** Russian Federation.  
**collected:** August 15, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3997. **other id:** W6 10365.  
**group:** W6. **locality:** Between 662 and 663km markers. South side of Cheketeman Pass, Gorno Altay A.O. from summit (660km marker on Highway 52 at 1250m) to Cheketman camp (666km marker at 960m). Siberia. **elevation:** 1040m.  
**remarks:** Single plant. Spikes large, coarse. Seed.

PI 564987 **donor id:** DJ-4038. **origin:** Russian Federation.  
**collected:** August 20, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4038. **other id:** W6 10366.  
**group:** W6. **locality:** In the village of Tuetka, Gorno Altay A.O. Siberia. **elevation:** 1000m. **remarks:** Spikes slender. Awnless. Seed.

PI 564988 to 564991. *Elymus trachycaulus* (Link) Gould ex Shinn.  
POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

PI 564988 **donor id:** KJ-40. **origin:** United States. **collected:** 1987. **collector:** K.B. Jensen. **collector id:** KJ-40. **other id:** W6 10652. **group:** W6. **locality:** Growing on rocky side hill, 3 miles SE on Hwy 40 towards Duschane from Heber. **remarks:** Seed Increased: MA-21-21--30 (1991). Seed.

PI 564989 **donor id:** KJ-53. **origin:** United States. **collected:** 1987. **collector:** K.B. Jensen. **collector id:** KJ-53. **other id:** W6 10655. **group:** W6. **locality:** 21 miles W of Junction 287 and 14 heading toward Walden on Hwy 14. **remarks:** Seed Increased: MA-21-11--20 (1991). Seed.

PI 564990 **donor id:** KJ-62. **origin:** United States. **collected:** 1987. **collector:** K.B. Jensen. **collector id:** KJ-62. **other id:** W6 10656. **group:** W6. **locality:** 6.5 miles S of Ledville on road side going toward Bona Vista on Hwy 24. **remarks:** Seed Increased: MA-21-31--40 (1991). Seed.

PI 564991 **donor id:** KJ-70. **origin:** United States. **collected:** 1987. **collector:** K.B. Jensen. **collector id:** KJ-70. **other id:** W6 10658. **group:** W6. **locality:** 3.5 miles NW of Junction 62 and 145 on Hwy 145 towards Naturita, Colorado. **remarks:** Seed Increased: MA-21-1--10 (1991). Seed.



PI 564992 to 564993. *Elymus trachycaulus* subsp. *subsecundus* (Link)  
Gould POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

PI 564992 **donor id:** D-3637. **origin:** United States. **source history:** Originally donated by Greg Hallsten. **collected:** July 31, 1985. **collector:** D.R. Dewey. **collector id:** D-3637. **other id:** W6 10614. **group:** W6. **other id:** #1767. **locality:** Basin Creek, Sawtooth Natl. Rec. Area, Custer Co., T11N, R14E, SE21. **elevation:** 1885m. **remarks:** Seed Increased: MA-20-11--20 (1991). Seed.

PI 564993 **donor id:** KJ-63. **origin:** United States. **collected:** 1987. **collector:** K.B. Jensen. **collector id:** KJ-63. **other id:** W6 10657. **group:** W6. **locality:** 3 miles SW of Junction 64 and 67, Cripple Creek. **remarks:** Seed Increased: MA-20-1--10 (1991). Seed.

PI 564994 to 564995. *Elymus trachycaulus* (Link) Gould ex Shinn. subsp. *trachycaulus* POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564994 **donor id:** DJ-3794. **origin:** Russian Federation. **collected:** August 05, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3794. **other id:** W6 10335. **group:** W6. **locality:** Field plots of O. & A. Agafonov in Central Siberian Botanical Garden, Academy Town, Novosibirsk, RSFSR. Siberia. **remarks:** Blue. **received as:** *Elymus novae-angliae*. Seed.

PI 564995 **donor id:** DJ-4186. **origin:** Russian Federation. **source history:** Central Siberian Botanical Garden #205, Siberia. Originally from Denmark. **collected:** September 22, 1988. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4186. **other id:** W6 10336. **group:** W6. **remarks:** Agafonov collection. **received as:** *Elymus novae-angliae*. Seed.

PI 564996. *Elymus transhyrcanus* (Nevski) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 29, 1992.

**donor id:** AJC-286. **origin:** Azerbaijan. **source history:** N.I. Vavilov All-Union Institute of Plant Industry, Leningrad. **collected:** January 17, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-286. **other id:** W6 10573. **group:** W6. **other id:** VIR 45454. Seed.

PI 564997 to 564998. *Elymus tschimganicus* (Drobov) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 564997 **donor id:** DJ-4138. **origin:** Kazakhstan. **collected:** August 1988. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4138. **other id:** W6 10309. **group:** W6. **other id:** Agafonov #5. **locality:** South of Lake Issyk Kul, Siberia. **remarks:** Distant spikelets. Long-awned. Seed.

PI 564998 **donor id:** DJ-4141. **origin:** Kazakhstan. **collected:** August 20, 1988. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4141. **other id:** W6 10310. **group:** W6. **locality:** South of Lake Issyk Kul, Siberia. **remarks:** Agafonov composite. Seed.

PI 564999. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Allen, F.L., Tennessee Agr. Exp. Sta., University of Tennessee, Knoxville, Tennessee 37901-1071, United States. **remarks:** TN 6-90 Soybean. Received March 11, 1993.

**origin:** United States. **developed:** F.L. Allen, D.M. Panter, L. D. Young. **origin institute:** Tennessee Agr. Exp. Sta., University of Tennessee, Dept. of Plant & Soil Sci., P.O. Box 107, Knoxville, Tennessee 37902-2072 United States. **cultivar:** TN 6-90. **pedigree:** Essex X (Bay X N73-520). **other id:** CV-308. **source:** Crop Sci. 33(6):1417 1993. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Maturity Group VI, determinate. Pubescence tawny. Flowers white. Pod walls tan. Seeds yellow with imperfect black hila and average 13.9g 100-1 seed. Plants mature approx. Oct. 20-25 (planted early May) and are about 40 inches tall at maturity. Seed protein and oil content approx. 42% and 20%, respectively. Resistance to stem canker (*Diaporthe phaseolorum* var. *caulivora*), soybean cyst nematode Race 3 (*Heterodera glycines*) and SMV. Moderate resistance to frogeye leaf spot (*Cercospora sojina*). Spring Annual. Cultivar. Seed.

PI 565000. *Elymus uralensis* (Nevski) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

**donor id:** D-2731. **origin:** Kazakhstan. **source history:** Originally donated by Vello Jaaska # AL-63179.  
**collected:** August 29, 1979. **collector:** D.R. Dewey.  
**collector id:** D-2731. **other id:** W6 10224. **group:** W6.  
**locality:** Near Alma Ata. **remarks:** Seed Increased: C-30-6--10 (1987), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Cultivated. Seed.

PI 565001. *Elytrigia alata* (Drobov) Nevski POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-4145. **origin:** Kazakhstan. **collected:** August 21, 1988. **collector:** D.R. Dewey, K.B. Jensen.  
**collector id:** DJ-4145. **other id:** W6 10266. **group:** W6.  
**locality:** South of Lake Issyk Kul, Siberia. **remarks:** Agafonov collection. Very narrow spikes, single spikelets. Seed.

PI 565002. *Elytrigia batalinii* (Krasn.) Nevski POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-4137. **origin:** Kazakhstan. **collected:** August 24, 1988. **collector:** D.R. Dewey, K.B. Jensen.  
**collector id:** DJ-4137. **other id:** W6 10268. **group:** W6.  
**locality:** 30km south of Lake Issyk Kul, Siberia.  
**remarks:** Agafonov collection. **received as:** *Elymus batalinii*. Seed.

PI 565003. *Elytrigia caespitosa* subsp. *nodosa* (Nevski) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 565003-continued

**donor id:** DJ-4191. **origin:** UNKNOWN. **source history:** Hortus Botanicus Vacratot, Hungary #1554. **collected:** 1985. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4191. **other id:** W6 10367. **group:** W6. **remarks:** Agafonov collection. **received as:** *Thinopyrum nodosum*. Seed.

PI 565004. *Elytrigia intermedia* (Host) Nevski POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 29, 1992.

**donor id:** AJC-300. **origin:** Russian Federation. **source history:** N.I. Vavilov All-Union Institute of Plant Industry, Leningrad. **collected:** January 17, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-300. **other id:** W6 10574. **group:** W6. **other id:** VIR 37192. **locality:** Dikorastuscij Chimkent Region. Seed.

PI 565005. *Elytrigia repens* (L.) Nevski POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

**donor id:** AJC-307. **origin:** Russian Federation. **source history:** Received from N.I. Vavilov All-Union Institute of Plant Industry, Leningrad, USSR, October 1988. Originally donated by K.H. Asay, D.A. Johnson and M. Castler. **collected:** October 1988. **collector:** K.H. Asay, D.A. Johnson, M. Castler. **collector id:** AJC-307. **other id:** W6 10225. **group:** W6. **other id:** VIR-44717. **group:** VIR. **locality:** Dikorastuscij Kiev Region. **remarks:** Seed Increased: MA-70-28 (1990), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Perennial. Cultivated. Seed.

PI 565006. *Elytrigia repens* (L.) Nevski POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 565006-continued

**donor id:** DJ-3856. **origin:** Russian Federation.  
**collected:** August 11, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3856. **other id:** W6 10368.  
**group:** W6. **locality:** 546km marker on Highway M-52 beyond Cherga toward Shebalino (Gorno Altay A.O.). Siberia.  
**elevation:** 780m. **remarks:** Typical. Seed immature. Seed.

PI 565007. *Elytrigia repens* (L.) Nevski POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 29, 1992.

**donor id:** AJC-312. **origin:** Kazakhstan. **collected:** August 23, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-312. **other id:** W6 10576.  
**group:** W6. **locality:** Roadside, no grazing area. Aktu-38, 38km SW of Aktyubinsk. Seed.

PI 565008 to 565012. *Elytrigia* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 565008 **donor id:** DJ-3940. **origin:** Russian Federation.  
**collected:** August 13, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3940. **other id:** W6 10399.  
**group:** W6. **locality:** A side canyon to left of Highway M-52 at 667km marker between Cheketeman Pass Aktash, 1km beyond Cheketeman camp, Gorno Altay A.O. Siberia.  
**elevation:** 900m. **remarks:** Probably a product of *Pseudoroegneria/Agropyron* hybridization. Few seeds.  
**received as:** *Pseudoroegneria* sp. Seed.

PI 565009 **donor id:** DJ-3946. **origin:** Russian Federation.  
**collected:** August 13, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3946. **other id:** W6 10400.  
**group:** W6. **locality:** Dry, rocky slopes. A side canyon to left of Highway M-52 at 667km marker between Cheketeman Pass and Aktash, 1km beyond Cheketeman camp, Gorno Altay A.O. Siberia. **elevation:** 1000-1010m. **remarks:** Bulk of many plants. **received as:** *Pseudoroegneria* sp. Seed.

PI 565008 to 565012-continued

PI 565010 **donor id:** DJ-3960. **origin:** Russian Federation.  
**collected:** August 14, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3960. **other id:** W6 10401.  
**group:** W6. **locality:** Town square in Aktash, Gorno Altay A.O. Siberia. **elevation:** 1330m. **remarks:** Immature.  
**received as:** Pseudoroegneria sp. Seed.

PI 565011 **donor id:** DJ-3978. **origin:** Russian Federation.  
**collected:** August 15, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3978. **other id:** W6 10402.  
**group:** W6. **locality:** At 660km marker. South side of Cheketeman Pass, Gorno Altay A.O. from summit (660km marker on Highway 52 at 1250m) to Cheketeman camp (666km marker at 960m). Siberia. **elevation:** 1250m. **remarks:** Caespitose. Few seeds. **received as:** Pseudoroegneria sp. Seed.

PI 565012 **donor id:** DJ-3982. **origin:** Russian Federation.  
**collected:** August 15, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3982. **other id:** W6 10403.  
**group:** W6. **locality:** Between 660 and 661km markers. South side of Cheketeman Pass, Gorno Altay A.O. from summit (660km marker on Highway 52 at 1250m) to Cheketeman camp (666km marker at 960m). Siberia. **elevation:** 1230m. **remarks:** Very few seeds. **received as:** Pseudoroegneria sp. Seed.

PI 565013 to 565014. *Festuca rubra* L. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 565013 **donor id:** DJ-3830. **origin:** Russian Federation.  
**collected:** August 09, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3830. **other id:** W6 10369.  
**group:** W6. **locality:** Open south-facing slope N of Highway M-52 at village of Kamlak (Gorno Altay A.O.). Siberia. **elevation:** 380m. **remarks:** Spikes purplish. Seed.

PI 565014 **donor id:** DJ-3836. **origin:** Russian Federation.  
**collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3836. **other id:** W6 10370. **group:** W6. **locality:** Rocky outcrop next to the Katun River. 79km S of Biysk on Highway M-52. **elevation:** 250m. **remarks:** Awns short. Seed.

PI 565015 to 565018. *Festuca* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 565015 **donor id:** DJ-3785. **origin:** Russian Federation. **collected:** August 05, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3785. **other id:** W6 10371. **group:** W6. **locality:** In shaded birch-pine woods near hotel in Academy Town, Novosibirsk, RSFSR. Siberia. **elevation:** 200m. Seed.

PI 565016 **donor id:** DJ-3916. **origin:** Russian Federation. **collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3916. **other id:** W6 10372. **group:** W6. **locality:** Between 659 and 658km markers. N side of Cheketeman Pass, Gorno Altay A.O., from the summit (660km marker on Highway M-52 at 1250m) to its base (656km marker and 1010m). Siberia. **elevation:** 1180m. Seed.

PI 565017 **donor id:** DJ-3962. **origin:** Russian Federation. **collected:** August 14, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3962. **other id:** W6 10373. **group:** W6. **locality:** Town square in Aktash, Gorno Altay A.O. Siberia. **elevation:** 1330m. **remarks:** Leaves bright green. Seed.

PI 565018 **donor id:** DJ-4039. **origin:** Russian Federation. **collected:** August 20, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4039. **other id:** W6 10374. **group:** W6. **locality:** Rocky hillside. Near 602km marker on Highway M-52 between Tuetka and Kamlak, Gorno Altay. Siberia. **elevation:** 1300m. Seed.

PI 565019. *Leymus ambiguus* (Vasey & Scribner) D. R. Dewey POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

**donor id:** KJ-64. **origin:** United States. **collected:** 1987. **collector:** K.B. Jensen. **collector id:** KJ-64. **other id:** W6 10227. **group:** W6. **locality:** On rocky outcroppings, 1.2 miles from road to Pikes Peak toll section. **remarks:** Seed Increased: MA-36-76--85 (1989), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Very fertile. Cultivated. Seed.

PI 565020 to 565021. *Leymus angustus* (Trin.) Pilger POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 565020 **donor id:** DJ-4035. **origin:** Russian Federation. **collected:** August 19, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4035. **other id:** W6 10375. **group:** W6. **locality:** 33km W of Tuetka, Gorno Altay A.O. Siberia. **elevation:** 1130m. **remarks:** Rare. Few seeds. Seed.

PI 565021 **donor id:** DJ-4113. **origin:** Kazakhstan. **collected:** 1987. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4113. **other id:** W6 10376. **group:** W6. **locality:** Along railway from Semipalatinsk to Alma Ata, Siberia. **remarks:** Agafonov collection. Seed.

PI 565022 to 565032. *Leymus angustus* (Trin.) Pilger POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

PI 565022 **donor id:** D-3694. **origin:** China. **source history:** Originally donated by Cathy Hsiao, USDA-ARS, Logan, Utah. **collected:** September 24, 1988. **collector:** D.R. Dewey. **collector id:** D-3694. **other id:** W6 10617. **group:** W6. **locality:** S of Urumqi, on way to White Popular Falls. **elevation:** 900m. **remarks:** Seed Increased: MA-11-41--50 (1991). Seed.

PI 565023 **donor id:** D-3742. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** September 17, 1986. **collector:** D.R. Dewey. **collector id:** D-3742. **other id:** W6 10619. **group:** W6. **other id:** Y162. **locality:** Floodland, Beiyanghe, Hoboksar. **elevation:** 780m. **remarks:** Seed Increased: MA-95-1--10 (1991). Seed.

PI 565024 **donor id:** D-3743. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** September 15, 1986. **collector:** D.R. Dewey. **collector id:** D-3743. **other id:** W6 10620. **group:** W6. **locality:** Floodland, near Zamanashi 5km, Teilike town, Habahe. **elevation:** 780m. **remarks:** Seed Increased: MA-96-76--80 (1991). Seed.



PI 565022 to 565032-continued

- PI 565025 **donor id:** D-3759. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** September 18, 1989. **collector:** D.R. Dewey. **collector id:** D-3759. **other id:** W6 10623. **group:** W6. **other id:** Y835. **locality:** South slope, mountain steppe, Guozigou Daban, Houcheng. **elevation:** 2000m. **remarks:** Seed Increased: MA-96-1--10 (1991). Seed.
- PI 565026 **donor id:** D-3761. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** August 09, 1987. **collector:** D.R. Dewey. **collector id:** D-3761. **other id:** W6 10624. **group:** W6. **other id:** Y858. **locality:** Meadow, Xiamaya xiang, Nuogai, Yimu. **elevation:** 1770m. **remarks:** Seed Increased: MA-96-71--75 (1991). Seed.
- PI 565027 **donor id:** D-3762. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** August 15, 1987. **collector:** D.R. Dewey. **collector id:** D-3762. **other id:** W6 10625. **group:** W6. **other id:** Y876. **locality:** Steppe, army horse-breeding farm, Yimu. **elevation:** 2030m. **remarks:** Seed Increased: MA-95-31--40 (1991). Seed.
- PI 565028 **donor id:** D-3763. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** August 17, 1987. **collector:** D.R. Dewey. **collector id:** D-3763. **other id:** W6 10626. **group:** W6. **other id:** Y887. **locality:** In a ravine, desert steppe, Shangoqianzi, Baelol. **elevation:** 1990m. **remarks:** Seed Increased: MA-96-11--20 (1991). Seed.
- PI 565029 **donor id:** D-3767. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** September 15, 1986. **collector:** D.R. Dewey. **collector id:** D-3767. **other id:** W6 10629. **group:** W6. **other id:** Y137. **locality:** Floodland, Teilike town, near Zamanashi 5km, Hababe. **elevation:** 780m. **remarks:** Seed Increased: MA-97-1--20 (1991). Seed.

PI 565022 to 565032-continued

PI 565030 **donor id:** D-3768. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** September 15, 1986. **collector:** D.R. Dewey. **collector id:** D-3768. **other id:** W6 10630. **group:** W6. **other id:** Y138. **locality:** Floodland, Teilike town, near Zamanashi (5km), Habahe. **elevation:** 780m. **remarks:** Seed Increased: MA-97-21--40 (1991). Seed.

PI 565031 **donor id:** D-3769. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** September 19, 1986. **collector:** D.R. Dewey. **collector id:** D-3769. **other id:** W6 10631. **group:** W6. **other id:** Y186. **locality:** On steppe, (117km) Toli to Tacheng. **elevation:** 1740m. **remarks:** Seed Increased: MA-98-1--20 (1991). Seed.

PI 565032 **donor id:** D-3770. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Dept., Sichuan Agricultural College, PRC. **collected:** September 18, 1987. **collector:** D.R. Dewey. **collector id:** D-3770. **other id:** W6 10632. **group:** W6. **other id:** Y842. **locality:** Among stones, steppe, Bolotala, between Santai and Sitai. **elevation:** 1850m. **remarks:** Seed Increased: MA-97-41--60 (1991). Seed.

PI 565033 to 565034. *Leymus cinereus* (Scribner & Merr.) A. Love  
POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

PI 565033 **donor id:** D-2923. **origin:** United States. **source history:** Originally donated by R.J. Atkins. **collector:** D.R. Dewey. **collector id:** D-2923. **other id:** W6 10228. **group:** W6. **locality:** Sandy soil, 12 miles W of Naches on Hwy US 12, Yakama. **remarks:** Seed Increased: R-18-6--10 (1987), USDA-ARS, Utah State University, Logan, Utah 84322-6300. Rhizomatous. Cultivated. Seed.

PI 565034 **donor id:** KJ-49. **origin:** United States. **collected:** 1987. **collector:** K.B. Jensen. **collector id:** KJ-49. **other id:** W6 10230. **group:** W6. **locality:** Down next to river, 42.2 miles E of Rangely, on Hwy 64 towards Meeker. **remarks:** Seed Increased: Original Seed, USDA-ARS, Utah State University, Logan, Utah 84322-6300. Cultivated. Seed.

PI 565035 to 565036. *Leymus cinereus* (Scribner & Merr.) A. Love  
POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

PI 565035 **donor id:** KJ-50. **origin:** United States. **collected:** 1987. **collector:** K.B. Jensen. **collector id:** KJ-50. **other id:** W6 10653. **group:** W6. **locality:** 3 miles NW of Meeker on Hwy 64 towards Rangely, 1 mile W on 64 from junction of 64 and 13 towards Rangely. **remarks:** Seed Increased: MA-18-21--30 (1991). Seed.

PI 565036 **donor id:** KJ-51. **origin:** United States. **collected:** 1987. **collector:** K.B. Jensen. **collector id:** KJ-51. **other id:** W6 10654. **group:** W6. **locality:** Growing in large stands of road, 14.9 miles E on Hwy 13, from Meeker to Craig. **remarks:** Seed Increased: MA-18-31--40 (1991). Seed.

PI 565037. *Leymus racemosus* (Lam.) Tzvelev POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-3801. **origin:** Russian Federation. **collected:** August 05, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3801. **other id:** W6 10377. **group:** W6. **locality:** Field plots of O. & A. Agafonov in Central Siberian Botanical Garden, Academy Town, Novosibirsk, RSFSR, via Berlin, Germany Botanical Garden, Siberia. **remarks:** Leaves blue, strongly rhizomatous. Seed.

PI 565038. *Leymus salinus* (M. E. Jones) A. Love POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**origin:** United States. **collector:** K.B. Jensen. **other id:** W6 10550. **group:** W6. **remarks:** Seed increased: MA-18-78--80. Seed.

PI 565039. *Leymus* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

**donor id:** DJ-4102. **origin:** Kazakhstan. **collected:** August 04, 1987. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4102. **other id:** W6 10378. **group:** W6. **locality:** From several stops on railway from Semipalatinsk to Alma Ata, Siberia. **remarks:** Agafonov collection. Seed.

PI 565040. *Leymus* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**donor id:** D-3651. **origin:** Kyrgyzstan. **source history:** Originally donated by Olga and Alex Agafonov, Central Siberian Botanical Garden, Novosibirsk, USSR. **collected:** August 11, 1987. **collector:** D.R. Dewey. **collector id:** D-3651. **other id:** W6 10616. **group:** W6. **locality:** Unspecified site in the Tian Shan mountains. **remarks:** Seed Increased: MA-11--56--65 (1991). Seed presented to K.H. Asay and D.A. Johnson during the USSR-US grass collecting expedition in 1988. Seed.

PI 565041 to 565054. *Psathyrostachys juncea* (Fischer) Nevski POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 565041 **donor id:** DJ-3797. **origin:** Russian Federation. **source history:** Originally from VIR breeding station at Chelkar, Kazakh SSR. **collected:** August 05, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3797. **other id:** W6 10379. **group:** W6. **locality:** Field plots of O. & A. Agafonov in Central Siberian Botanical Garden, Academy Town, Novosibirsk, RSFSR. Siberia. **remarks:** Composite of several breeding selections. Possibly tetraploid. Very large plants with culms to 150m. Few seeds. Seed.

PI 565041 to 565054-continued

- PI 565042 **donor id:** DJ-3814. **origin:** Russian Federation.  
**collected:** August 06, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3814. **other id:** W6 10380.  
**group:** W6. **locality:** From field plots in Central Siberian Botanical Garden, Academy Town, Novosibirsk, RSFSR. Plot #285. Siberia. **remarks:** Tough rachis. Seed.
- PI 565043 **donor id:** DJ-3866. **origin:** Russian Federation.  
**collected:** August 11, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3866. **other id:** W6 10382.  
**group:** W6. **locality:** Near 656km marker on Highway M-52 beyond Onguday toward Cheketeman Pass, Gorno Altay A.O. Siberia. **elevation:** 1000m. **remarks:** Large population. Seed.
- PI 565044 **donor id:** DJ-3890. **origin:** Russian Federation.  
**collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3890. **other id:** W6 10383.  
**group:** W6. **locality:** Shaded, moist slope. On mountainside opposite the Cheketeman camp (located on the Ilgumen stream at S side of Cheketeman Pass near the 666km marker on Highway M-52, Gorno Altay A.O.). Siberia. **elevation:** 1030m. **remarks:** Very few seeds. Seed.
- PI 565045 **donor id:** DJ-3924. **origin:** Russian Federation.  
**collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3924. **other id:** W6 10384.  
**group:** W6. **locality:** Near the 656km marker. N side of Cheketeman Pass, Gorno Altay A.O., from the summit (660km marker on Highway M-52 at 1250m) to its base (656km marker and 1010m). Siberia. **elevation:** 1020m. Seed.
- PI 565046 **donor id:** DJ-3950. **origin:** Russian Federation.  
**collected:** August 13, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3950. **other id:** W6 10385.  
**group:** W6. **locality:** Dry, open hillside. A side canyon to left of Highway M-52 at 667km marker between Cheketeman Pass and Aktash, 1km beyond Cheketeman camp, Gorno Altay A.O. Siberia. **elevation:** 920m. **remarks:** Rare in this area. Seed.
- PI 565047 **donor id:** DJ-3967. **origin:** Russian Federation.  
**collected:** August 14, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3967. **other id:** W6 10386.  
**group:** W6. **locality:** Dry hillside on outskirts of Aktash, Gorno Altay A.O. Siberia. **elevation:** 1340m. Seed.

PI 565041 to 565054-continued

- PI 565048 **donor id:** DJ-3969. **origin:** Russian Federation.  
**collected:** August 14, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3969. **other id:** W6 10387.  
**group:** W6. **locality:** Rocky hillside near 768km marker on Highway M-52 toward Aktash, Gorno Altay A.O. Siberia.  
**elevation:** 1100m. **Seed.**
- PI 565049 **donor id:** DJ-4034. **origin:** Russian Federation.  
**collected:** August 19, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4034. **other id:** W6 10388.  
**group:** W6. **locality:** Open, grassy slope. 13km W of Tuetka, Gorno Altay A.O. Siberia. **elevation:** 1180m.  
**Seed.**
- PI 565050 **donor id:** DJ-4152. **origin:** Kazakhstan. **source history:** VASHKNIL Institute, Alma Ata, Siberia. **collected:** August 26, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4152. **other id:** W6 10389. **group:** W6. **remarks:** Agafonov collection. Breeding line from Bozoisky. 2n=14.  
**Seed.**
- PI 565051 **donor id:** DJ-4154. **origin:** Russian Federation.  
**collected:** August 26, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4154. **other id:** W6 10391.  
**group:** W6. **locality:** Siberia. **remarks:** Agafonov collection. Breeding line #20-17. Induced tetraploid, 2n=28. Same source as DJ-4152. **Seed.**
- PI 565052 **donor id:** DJ-4155. **origin:** Russian Federation.  
**collected:** August 26, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4155. **other id:** W6 10392.  
**group:** W6. **locality:** Siberia. **remarks:** Agafonov collection. Breeding line #2-4. Induced tetraploid, 2n=28. Same source as DJ-4152. **Seed.**
- PI 565053 **donor id:** DJ-4156. **origin:** Russian Federation.  
**collected:** August 26, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4156. **other id:** W6 10393.  
**group:** W6. **locality:** Siberia. **remarks:** Agafonov collection. Breeding line #17-5. Induced tetraploid, 2n=28. Same source as DJ-4152. **Seed.**
- PI 565054 **donor id:** DJ-4157. **origin:** Russian Federation.  
**collected:** August 26, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4157. **other id:** W6 10394.  
**group:** W6. **locality:** Siberia. **remarks:** Agafonov collection. Breeding line #9-11. Induced tetraploid, 2n=28. Same source as DJ-4152. **Seed.**

PI 565055 to 565074. *Psathyrostachys juncea* (Fischer) Nevski POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 29, 1992.

- PI 565055 **donor id:** AJC-527. **origin:** Russian Federation.  
**collected:** August 19, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-527. **other id:** W6 10579. **group:** W6. **locality:** Along railroad from Novosibirsk to Alma Ata, near train station stop #16. **elevation:** 942m. Seed.
- PI 565056 **donor id:** AJC-530. **origin:** Russian Federation.  
**collected:** August 14, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-530. **other id:** W6 10580. **group:** W6. **locality:** Experimental farm in Cherga, Institute of Cytology and Genetics of the Siberian Branch of Academy of Science at Novosibirsk. **elevation:** 790m. Seed.
- PI 565057 **donor id:** AJC-531. **origin:** Russian Federation.  
**collected:** August 16, 1988. **collector:** K.A. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-531. **other id:** W6 10581. **group:** W6. **locality:** 5km W of Yubagon Village, Altai region, Siberia. **elevation:** 1368m. Seed.
- PI 565058 **donor id:** AJC-532. **origin:** Russian Federation.  
**collected:** August 15, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-532. **other id:** W6 10582. **group:** W6. **locality:** 5km S Tuekta Altai region, Siberia. **elevation:** 1186m. Seed.
- PI 565059 **donor id:** AJC-533. **origin:** Russian Federation.  
**collected:** August 15, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-533. **other id:** W6 10583. **group:** W6. **locality:** On rocky, grazed hillside. Tinginsky region, Siberia. **elevation:** 1216m. Seed.
- PI 565060 **donor id:** AJC-534. **origin:** Russian Federation.  
**collected:** August 16, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-534. **other id:** W6 10584. **group:** W6. **locality:** 10km E of Yubagon Pass, Altai region. Siberia. **elevation:** 1368m. Seed.
- PI 565061 **donor id:** AJC-536. **origin:** Russian Federation.  
**collected:** August 16, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-536. **other id:** W6 10585. **group:** W6. **locality:** 10km E of Yubagon Pass, Altai region. Siberia. **elevation:** 1368m. Seed.

PI 565055 to 565074-continued

- PI 565062 **donor id:** AJC-537. **origin:** Russian Federation. **source history:** Guseletovsky Altai Research Institute of Soil Management and Plant Breeding, Siberian Branch of the Lauaas, Siberia. **collected:** January 20, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-537. **other id:** W6 10586. **group:** W6. **Seed.**
- PI 565063 **donor id:** AJC-538. **origin:** Kazakhstan. **source history:** N.I. Vavilov All-Union Institute of Plant Industry, Leningrad. **collected:** January 17, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-538. **other id:** W6 10587. **group:** W6. **other id:** VIR 45313. **remarks:** Iskusstvennyj tetraploid. **Seed.**
- PI 565064 **donor id:** AJC-539. **origin:** Kazakhstan. **source history:** N.I. Vavilov All-Union Institute of Plant Industry, Leningrad. **collected:** January 17, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-539. **other id:** W6 10588. **group:** W6. **other id:** VIR 45311. **remarks:** Start-II6, 2p=28. **Seed.**
- PI 565065 **donor id:** AJC-540. **origin:** Kazakhstan. **source history:** N.I. Vavilov All-Union Institute of Plant Industry, Leningrad. **collected:** January 17, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-540. **other id:** W6 10589. **group:** W6. **other id:** VIR 45312. **remarks:** Iskusstvennyj tetraploid. **Seed.**
- PI 565066 **donor id:** AJC-595. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-595. **other id:** W6 10595. **group:** W6. **remarks:** 2n=28. Induced tetraploid "No. 20-17". **Seed.**
- PI 565067 **donor id:** AJC-596. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-596. **other id:** W6 10596. **group:** W6. **remarks:** 2n=28. Induced tetraploid "No. 17-5". **Seed.**
- PI 565068 **donor id:** AJC-596. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-596. **other id:** W6 10597. **group:** W6. **remarks:** 2n=28. Induced tetraploid "No. 17-5". **Seed.**



PI 565055 to 565074-continued

- PI 565069 **donor id:** AJC-597. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-597. **other id:** W6 10598. **group:** W6. **remarks:** 2n=28. Induced tetraploid "No. 1-2". Seed.
- PI 565070 **donor id:** AJC-598. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-598. **other id:** W6 10599. **group:** W6. **remarks:** 2n=28. Induced tetraploid "No. 11-6". Seed.
- PI 565071 **donor id:** AJC-600. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-600. **other id:** W6 10600. **group:** W6. **remarks:** 2n=28. Induced tetraploid "No. 2-4". Seed.
- PI 565072 **donor id:** AJC-601. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-601. **other id:** W6 10601. **group:** W6. **remarks:** 2n=28. Strain "Start 116". Seed.
- PI 565073 **donor id:** AJC-602. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-602. **other id:** W6 10602. **group:** W6. **remarks:** 2n=14K. Strain "Syn-2, No 84". Seed.
- PI 565074 **donor id:** AJC-603. **origin:** Kazakhstan. **source history:** Kazakhstan Institute of Fodder Crops, Alma Ata, via the VIR Institute, Leningrad. **collected:** May 16, 1989. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC-603. **other id:** W6 10603. **group:** W6. **remarks:** 2n=14K. Strain "Syn-2, No 85". Seed.

PI 565075. *Solanum microdontum* Bitter SOLANACEAE Potato

**Donated by:** I.N.T.A., Estacion Experimental Agropecuaria, 7620 Balcarce, Buenos Aires, Argentina. Received July 30, 1991.

PI 565075-continued

**donor id:** SCL 4631. **origin:** Argentina. **source history:** Catamarca, dep. Andalgalá. **collected:** May 13, 1990. **collector:** D.M. Spooner, A. Clausen. **collector id:** SCL 4631. **other id:** Q 28561. **locality:** Andalgalá. **latitude:** 27 deg. 19 min.. **longitude:** 066 deg. 03 min.. **remarks:** Seed obtained from Sib S, Year 07/01/91, Lot 9084. Wild. Seed.

PI 565076 to 565078. *Psathyrostachys juncea* (Fischer) Nevski POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

PI 565076 **donor id:** D-2803. **origin:** China. **source history:** Originally donated by Prof. Yen Chi, Agronomy Department, Sichuan Agricultural College, PRC. **collector:** D.R. Dewey. **collector id:** D-2803. **other id:** W6 10608. **group:** W6. **locality:** Northwestern China Provinces of Shanxi, Qinghai, Gansu, and Xinjiang. **remarks:** Seed Increased: C-26-26--30 (1991). Seed.

PI 565077 **donor id:** DT-3139. **origin:** China. **collected:** August 09, 1983. **collector:** D.R. Dewey. **collector id:** DT-3139. **other id:** W6 10648. **group:** W6. **locality:** Open S facing slope, side canyon off the road to Tian Lake. **remarks:** Seed Increased: C-26-31--35 (1991). Seed.

PI 565078 **donor id:** DT-3148. **origin:** China. **collected:** August 09, 1983. **collector:** D.R. Dewey. **collector id:** DT-3148. **other id:** W6 10649. **group:** W6. **locality:** Open S facing slope, Side canyon off the road to Tian Lake. **elevation:** 1700m. **remarks:** Seed Increased: C-26-36--40 (1991). Seed.

PI 565079 to 565080. *Psathyrostachys* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 565079 **donor id:** DJ-3955. **origin:** Russian Federation. **collected:** August 14, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3955. **other id:** W6 10395. **group:** W6. **locality:** Near Tchuya River at 777km marker on Highway M-52 toward Aktash, Gorno Altay A.O. Siberia. **remarks:** Ergot infested. Probably *Ps. juncea*. Seed.

PI 565079 to 565080-continued

PI 565080 **donor id:** DJ-4030. **origin:** Russian Federation.  
**collected:** August 19, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4030. **other id:** W6 10396.  
**group:** W6. **locality:** A meadow off a secondary gravel road. In the vicinity of the Tuetka camp, about 37km W of Tuetka, Gorno Altay A.O. Siberia. **elevation:** 1200m.  
**remarks:** Heavily infested with ergot. Probably *Ps. juncea*. Very few seeds. Seed.

PI 565081. *Lens culinaris* Medikus FABACEAE

**Donated by:** George F. Brocke & Sons, Inc., P.O. Box 159, 1st & Brown Street, Kendrick, Idaho 83537, United States. Received March 29, 1993.

**origin:** Spain. **cultivar:** SPANISH BROWN. **other id:** W6 11370. **group:** W6. **remarks:** Known by the name Spanish Brown lentil or Small Brown lentil. Currently grown widely in the Palouse region of the Pacific Northwest, seed exported to Spain. Seed lot SBL LOT 92. Cultivar. Seed.

PI 565082. *Pseudoroegneria strigosa* subsp. *aegilopoides* (Drobov) A. Love POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received July 1992.

**donor id:** DT-3094. **origin:** China. **source history:** Originally donated by D.R. Dewey. **collected:** August 08, 1983. **collector:** D.R. Dewey. **collector id:** DT-3094. **other id:** W6 10231. **group:** W6. **locality:** Far Eastern shore of Tian Lake. **remarks:** Seed Increased: MB-99-1--30, (1988) USDA-ARS, Utah State University, Logan, Utah 84322-6300. **received as:** *Pseudoroegneria aegilopoides*. Cultivated. Seed.

PI 565083 to 565084. *Stipa* sp. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at research farm near Logan, Utah. Received January 16, 1992.

PI 565083 to 565084-continued

PI 565083 **donor id:** DJ-3885. **origin:** Russian Federation.  
**collected:** August 12, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-3885. **other id:** W6 10411.  
**group:** W6. **locality:** Growing in thorny shrubs on dry rocky slope. On mountainside opposite the Cheketeman camp (located on the Ilgumen stream at S side of Cheketeman Pass near the 666km marker on Highway M-52, Gorno Altay A.O. Siberia. **elevation:** 1030m. **remarks:** Awns short. Seed.

PI 565084 **donor id:** DJ-4028. **origin:** Russian Federation.  
**collected:** August 19, 1989. **collector:** D.R. Dewey, K.B. Jensen. **collector id:** DJ-4028. **other id:** W6 10412.  
**group:** W6. **locality:** Rocky slope on secondary gravel road. In the vicinity of the Tuetka camp, about 37km W of Tuetka, Gorno Altay A.O. Siberia. **elevation:** 1160m. **remarks:** Short awned. Seed.

PI 565085. *Secale cereale* L. POACEAE Rye

**Donated by:** Baker, J.L., Samuel Roberts Noble Foundation, Inc., P.O. Box 2180, Ardmore, Oklahoma 73402, United States; and Oklahoma Agr. Exp. Sta.. **remarks:** Oklon Winter Rye. Received February 17, 1993.

**origin:** United States. **developed:** R.P. Bates, J.L. Baker. **origin institute:** Noble Foundation, Inc., P.O. Box 2180, Ardmore, Oklahoma 73402 United States.  
**cultivar:** OKLON. **pedigree:** Increase from an individual space-planted Maton rye in the third cycle of recurrent selection. **other id:** NF125. **other id:** CV-14. **source:** Crop Sci. 34(2):541 1994. **group:** CSR-RYE. **restricted:** CSR. **remarks:** Vegetative and seed characteristics very similar to Maton rye. No consistent differences noted in plant height, lodging, seed size, test weight, maturity, heading date or disease and insect resistance. Such traits vary with conditions. Main advantage is its greater fall and winter (earlier) forage production with increased total forage production under some conditions. Winter Annual. Cultivar. Seed.

PI 565086. *Gossypium hirsutum* L. MALVACEAE Cotton

**Donated by:** Cargill Hybrid Seeds, United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Cargill Hybrid Seeds United States. **cultivar:** PAYMASTER HS30. **other id:** PVP 9200264. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565087. *Zea mays* L. subsp. *mays* POACEAE Field corn

**Donated by:** DEKALB Plant Genetics, United States. Received February 12, 1993.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** 8M129. **other id:** PVP 9300090. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565088. *Zea mays* L. subsp. *mays* POACEAE Field corn

**Donated by:** DEKALB Plant Genetics, United States. Received February 12, 1993.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** 2MCDB. **other id:** PVP 9300091. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565089. *Festuca arundinacea* Schreber POACEAE Tall fescue

**Donated by:** Pickseed West, Inc., United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Pickseed West, Inc. United States. **cultivar:** LANCER. **other id:** PVP 9300092. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565090. *Lolium perenne* L. POACEAE Perennial ryegrass

**Donated by:** Willamette Seed Company, United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Willamette Seed Company United States. **cultivar:** CATHEDRAL. **other id:** PVP 9300093. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565091. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Terral-Norris Seed Company, Inc., United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Terral-Norris Seed Company, Inc. United States. **cultivar:** TERRA-VIG 5676. **other id:** PVP 9300094. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565092. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Terral-Norris Seed Company, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Terral-Norris Seed Company, Inc. United States. **cultivar:** TERRA-VIG 6253. **other id:** PVP 9300095. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565093. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Terral-Norris Seed Company, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Terral-Norris Seed Company, Inc. United States. **cultivar:** TERRA-VIG 6792. **other id:** PVP 9300096. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565094. *Gossypium hirsutum* L. MALVACEAE Cotton

**Donated by:** Germain's, Inc., United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Germain's, Inc. United States. **cultivar:** GERMAIN'S GC-21Q. **other id:** PVP 9300098. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565095. *Gossypium hirsutum* L. MALVACEAE Cotton

**Donated by:** Germain's, Inc., United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Germain's, Inc. United States. **cultivar:** GERMAIN'S ACALA GC-610. **other id:** PVP 9300099. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565096. *Lolium perenne* L. POACEAE Perennial ryegrass

**Donated by:** Jacklin Seed Company, United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Jacklin Seed Company United States. **cultivar:** APM. **other id:** PVP 9300100. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565097. *Lactuca sativa* L. ASTERACEAE Lettuce

**Donated by:** Asgrow Seed Company, United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** BONANZA. **other id:** PVP 9300101. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565098. *Festuca arundinacea* Schreber POACEAE Tall fescue

**Donated by:** Forbes Seed & Grain, Inc., United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Forbes Seed & Grain, Inc. United States. **cultivar:** EXCALIBUR. **other id:** PVP 9300102. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565099. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHVJ4. **other id:** PVP 9300103. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565100. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHAW6. **other id:** PVP 9300104. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565101. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHEM9. **other id:** PVP 9300105. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565102. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHEW7.  
**other id:** PVP 9300106. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 565103. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHFA5.  
**other id:** PVP 9300107. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 565104. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHHB9.  
**other id:** PVP 9300108. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 565105. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHHH9.  
**other id:** PVP 9300109. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 565106. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHJR5.  
**other id:** PVP 9300110. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.



PI 565107. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHKE6.  
**other id:** PVP 9300111. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 565108. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHMK0.  
**other id:** PVP 9300112. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 565109. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHN41.  
**other id:** PVP 9300113. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 565110. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHRE1.  
**other id:** PVP 9300114. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 565111. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHV57.  
**other id:** PVP 9300115. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 565112. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHW53.  
**other id:** PVP 9300116. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 565113. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  
Received February 12, 1993.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHW80.  
**other id:** PVP 9300117. **source:** Pending. **group:** PVPO.  
**patent:** PVPO. Cultivar. Seed.

PI 565114. *Festuca arundinacea* Schreber POACEAE Tall fescue

**Donated by:** Smith Seed Services, United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Smith Seed Services United States. **cultivar:** KITTY HAWK. **other id:** PVP 9300118. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565115. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Asgrow Seed Company, United States. Received February 12, 1993.

**origin:** United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** IMPACT. **other id:** PVP 9300119. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565116 to 565177. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

**Donated by:** Obilana, A.T., SADCC/ICRISAT, P.O. Box 776, Bulawayo, Zimbabwe. **remarks:** Received through J. Dahlberg, Tropical Agriculture Research Station, USDA-ARS, P.O. Box 70, Mayaguez, Puerto Rico. Received February 05, 1993.

PI 565116 to 565177-continued

- PI 565116 **donor id:** SDS 1412. **origin:** Zimbabwe. **remarks:** Striga resistance with multiple resistance to 2 or more species or biotypes of Striga in India and Africa. Cultivated. Seed.
- PI 565117 **donor id:** SAR 19. **origin:** Zimbabwe. **remarks:** Striga resistance with multiple resistance to 2 or more species or biotypes of Striga in India and Africa. Cultivated. Seed.
- PI 565118 **donor id:** SAR 29. **origin:** Zimbabwe. **remarks:** Striga resistance with multiple resistance to 2 or more species or biotypes of Striga in India and Africa. Cultivated. Seed.
- PI 565119 **donor id:** SAR 16. **origin:** Zimbabwe. **remarks:** Striga resistance with multiple resistance to 2 or more species or biotypes of Striga in India and Africa. Cultivated. Seed.
- PI 565120 **donor id:** SAR 33. **origin:** Zimbabwe. **remarks:** Striga resistance with multiple resistance to 2 or more species or biotypes of Striga in India and Africa. Cultivated. Seed.
- PI 565121 **origin:** Zimbabwe. **cultivar:** MACIA. **remarks:** Improved elite white type. Cultivar. Seed.
- PI 565122 **donor id:** ICSV-112. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565123 **donor id:** SDS 170. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565124 **donor id:** SDS 2298. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565125 **donor id:** SDS 2293-6. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565126 **donor id:** SDSL 90056. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565127 **donor id:** SDSL 90093. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565128 **donor id:** SDSL 89420. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565129 **donor id:** SDSL 90176. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.

PI 565116 to 565177-continued

PI 565130 donor id: SDSL 90173. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565131 donor id: SDSL 87019. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565132 donor id: SDSL 90168. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565133 donor id: SDSL 90182. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565134 donor id: SDS 3487. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565135 donor id: SDSL 90014. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565136 donor id: SDSL 90007. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565137 donor id: SDSL 90061. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565138 donor id: SDSL 90097. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565139 donor id: SDSL 90177. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565140 donor id: SDSL 90115. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565141 donor id: SDSL 90181. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565142 donor id: SV-2. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565143 donor id: SDSL 87046T. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565144 donor id: SDSL 87013-1. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565145 donor id: SDSL 87013-2. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565146 donor id: SDSL 90047. origin: Zimbabwe. remarks: Improved elite white type. Cultivated. Seed.

PI 565116 to 565177-continued

- PI 565147 **origin:** Zimbabwe. **cultivar:** SIMA. **remarks:** Improved elite white type. Cultivar. Seed.
- PI 565148 **donor id:** SDS 2690. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565149 **donor id:** LARS 46-85. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565150 **donor id:** SDSL 90069. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565151 **donor id:** SDSL 90038. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565152 **donor id:** SDSL 90052. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565153 **donor id:** SDS 90143. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565154 **donor id:** SDSL 90169. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565155 **donor id:** SDSL 90073. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565156 **donor id:** SDSL 90039. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565157 **donor id:** SDSL 90117. **origin:** Zimbabwe. **remarks:** Improved elite white type. Cultivated. Seed.
- PI 565158 **donor id:** SDS 1710-1. **origin:** Zimbabwe. **remarks:** Improved elite red type. Cultivated. Seed.
- PI 565159 **donor id:** SDS 1948-3. **origin:** Zimbabwe. **remarks:** Improved elite red type. Cultivated. Seed.
- PI 565160 **donor id:** LARS 19. **origin:** Zimbabwe. **remarks:** Improved elite red type. Cultivated. Seed.
- PI 565161 **donor id:** SDS 1513. **origin:** Zimbabwe. **remarks:** Improved elite red type. Cultivated. Seed.
- PI 565162 **origin:** Zimbabwe. **cultivar:** TOWN. **remarks:** Improved elite red type. Cultivar. Seed.
- PI 565163 **donor id:** SDSL 89459. **origin:** Zimbabwe. **remarks:** Improved elite red type. Cultivated. Seed.

PI 565116 to 565177-continued

- PI 565164 donor id: SDSL 89507. origin: Zimbabwe. remarks: Improved elite red type. Cultivated. Seed.
- PI 565165 donor id: SDSL 88298. origin: Zimbabwe. remarks: Improved elite red type. Cultivated. Seed.
- PI 565166 origin: Zimbabwe. cultivar: SERENA. remarks: Improved elite brown type. Cultivar. Seed.
- PI 565167 donor id: SDS 3472. origin: Zimbabwe. remarks: Improved elite brown type. Cultivated. Seed.
- PI 565168 origin: Zimbabwe. cultivar: FRAMIDA. remarks: Improved elite brown type. Cultivar. Seed.
- PI 565169 origin: Zimbabwe. cultivar: DWARF WONDER. remarks: Improved elite brown type. Cultivar. Seed.
- PI 565170 origin: Zimbabwe. cultivar: BROWN TSWETA. remarks: Improved elite brown type. Cultivar. Seed.
- PI 565171 origin: Zimbabwe. cultivar: NTULI RED. remarks: Improved elite brown type. Cultivar. Seed.
- PI 565172 donor id: SDS 1594. origin: Zimbabwe. remarks: Improved elite brown type. Cultivated. Seed.
- PI 565173 donor id: ZAM 1513. origin: Zimbabwe. remarks: Improved elite brown type. Cultivated. Seed.
- PI 565174 origin: Zimbabwe. cultivar: RED ZWAZI. remarks: Improved elite brown type. Cultivar. Seed.
- PI 565175 donor id: SDS 11631. origin: Zimbabwe. remarks: Improved elite brown type. Cultivated. Seed.
- PI 565176 donor id: SDS 11553. origin: Zimbabwe. remarks: Improved elite brown type. Cultivated. Seed.
- PI 565177 origin: Zimbabwe. cultivar: KUSUMA. remarks: Improved elite brown type. Cultivar. Seed.

PI 565178 to 565196. *Triticum aestivum* L., nom. cons. POACEAE Wheat

Donated by: Liu, C.T., Idaho Agric. Exp. Station, University of Idaho, Moscow, Idaho 83843, United States. Received November 18, 1991.

PI 565178 to 565196-continued

- PI 565178 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** SHICHIAZUANG 5144. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 1. **other id:** MAC9192-732. **Cultivar.** Seed.
- PI 565179 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **origin institute id:** C4-102-5. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 2. **other id:** MAC9192-734. **Breeding Material.** Seed.
- PI 565180 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENGSHUI 714. **local name:** Yimai 6. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 3. **other id:** MAC9192-736. **Cultivar.** Seed.
- PI 565181 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENG 5007. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 4. **other id:** MAC9192-738. **Cultivar.** Seed.
- PI 565182 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENG 30517. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 5. **other id:** MAC9192-740. **Breeding Material.** Seed.
- PI 565183 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENG 88-76. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 6. **other id:** MAC9192-742. **Breeding Material.** Seed.
- PI 565184 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENG 88-59. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 7. **other id:** MAC9192-744. **Breeding Material.** Seed.
- PI 565185 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENG 88-65. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 8. **other id:** MAC9192-746. **Breeding Material.** Seed.

PI 565178 to 565196-continued

- PI 565186 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENG 88-98. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 9. **other id:** MAC9192-748. **Breeding Material.** Seed.
- PI 565187 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** AI 781. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 10. **other id:** MAC9192-750. **Cultivar.** Seed.
- PI 565188 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENG 0404. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 11. **other id:** MAC9192-752. **Breeding Material.** Seed.
- PI 565189 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENG 89W08. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 12. **other id:** MAC9192-754. **Breeding Material.** Seed.
- PI 565190 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENGSHUI 8924. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 13. **other id:** MAC9192-756. **Cultivar.** Seed.
- PI 565191 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENG 4104. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 14. **other id:** MAC9192-758. **Breeding Material.** Seed.
- PI 565192 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** HENG 2. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 15. **other id:** MAC9192-760. **Cultivar.** Seed.
- PI 565193 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** YIMAI 24. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 16. **other id:** MAC9192-762. **Cultivar.** Seed.



PI 565178 to 565196-continued

PI 565194 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** YI 5418. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 17. **other id:** MAC9192-764. **Cultivar.** Seed.

PI 565195 **origin:** China. **origin institute:** Hebei Academy of Agric. Sciences, Hengshui, Hebei China. **cultivar:** LUMAI 15. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 18. **other id:** MAC9192-766. **Cultivar.** Seed.

PI 565196 **origin:** China. **origin institute id:** 84-5418. **collected:** September 1991. **collector:** C.T. Liu, Univ. of Idaho, Moscow. **collector id:** 19. **other id:** MAC9192-768. **locality:** Hengshui. **Cultivated.** Seed.

PI 565197 to 565258. *Triticum aestivum* L., nom. cons. POACEAE Wheat

**Donated by:** Gonzalo, Avila L., Banco de Germoplasma, Centro Fitotecnico de Pairumani, Casilla, Cochabamba 128, Bolivia. Received October 08, 1991.

PI 565197 **origin:** Bolivia. **local name:** KARA HUMA. **collected:** September 05, 1982. **collector:** A. Rojas. **collector id:** 1. **other id:** MAC9192-8794. **locality:** Juntu Tuyu, Arani. **latitude:** 17 deg. 24 min. S. **longitude:** 066 deg. 14 min. W. **elevation:** 3370m. **Landrace.** Seed.

PI 565198 **origin:** Bolivia. **local name:** COPOSO. **collected:** September 05, 1982. **collector:** A. Rojas. **collector id:** 2. **other id:** MAC9192-8796. **locality:** Kewinal, Arani. **latitude:** 17 deg. 24 min. S. **longitude:** 066 deg. 14 min. W. **elevation:** 3290m. **Landrace.** Seed.

PI 565199 **origin:** Bolivia. **local name:** ASTRILLANO. **collected:** September 06, 1982. **collector:** A. Rojas. **collector id:** 3. **other id:** MAC9192-8798. **locality:** Sanja, Carrasco. **latitude:** 17 deg. 40 min. S. **longitude:** 065 deg. 15 min. W. **elevation:** 2840m. **Landrace.** Seed.

PI 565200 **origin:** Bolivia. **local name:** ESTRALLANO. **collected:** September 05, 1982. **collector:** A. Rojas. **collector id:** 5. **other id:** MAC9192-8802. **locality:** Jutun Tuyu, Arani. **latitude:** 17 deg. 24 min. S. **longitude:** 066 deg. 14 min. W. **elevation:** 3360m. **Landrace.** Seed.

PI 565197 to 565258-continued

- PI 565201 **origin:** Bolivia. **local name:** FLORENTINO. **collected:** September 04, 1982. **collector:** A. Rojas. **collector id:** 8. **other id:** MAC9192-8808. **locality:** Tago Loma, Jordan. **latitude:** 17 deg. 35 min. S. **longitude:** 066 deg. 13 min. W. **elevation:** 2860m. Landrace. Seed.
- PI 565202 **origin:** Bolivia. **local name:** ASTRILLANO. **collected:** September 04, 1982. **collector:** A. Rojas. **collector id:** 11. **other id:** MAC9192-8814. **locality:** Alfamayo, Esteban Arce. **latitude:** 17 deg. 35 min. S. **longitude:** 066 deg. 08 min. W. **elevation:** 2665m. Landrace. Seed.
- PI 565203 **origin:** Bolivia. **local name:** ASTRILLANO. **collected:** September 07, 1982. **collector:** A. Rojas. **collector id:** 14. **other id:** MAC9192-8820. **locality:** Machayamarca, Carrasco. **latitude:** 17 deg. 40 min. S. **longitude:** 065 deg. 15 min. W. **elevation:** 2700m. Landrace. Seed.
- PI 565204 **origin:** Bolivia. **local name:** MURA HUMA. **collected:** September 05, 1982. **collector:** A. Rojas. **collector id:** 16. **other id:** MAC9192-8824. **locality:** Juntu Tuyu, Arani. **latitude:** 17 deg. 24 min. S. **longitude:** 066 deg. 14 min. W. **elevation:** 3360m. Landrace. Seed.
- PI 565205 **origin:** Bolivia. **local name:** YLACO. **collected:** September 06, 1982. **collector:** A. Rojas. **collector id:** 17. **other id:** MAC9192-8826. **locality:** Chijmuri, Carrasco. **latitude:** 17 deg. 40 min. S. **longitude:** 065 deg. 15 min. W. **elevation:** 2700m. Landrace. Seed.
- PI 565206 **origin:** Bolivia. **local name:** ASTRILLANO. **collected:** September 06, 1982. **collector:** A. Rojas. **collector id:** 18. **other id:** MAC9192-8828. **locality:** Lambramani, Carrasco. **latitude:** 17 deg. 40 min. S. **longitude:** 065 deg. 15 min. W. **elevation:** 2720m. Landrace. Seed.
- PI 565207 **origin:** Bolivia. **local name:** NAPITO. **collected:** September 06, 1982. **collector:** A. Rojas. **collector id:** 24. **other id:** MAC9192-8840. **locality:** Comumpampa, Campero. **latitude:** 18 deg. 12 min. S. **longitude:** 065 deg. 10 min. W. **elevation:** 2140m. Landrace. Seed.
- \* PI 565208 *Triticum durum* Desf. POACEAE Wheat  
**origin:** Bolivia. **local name:** CHAGGO. **collected:** September 06, 1982. **collector:** A. Rojas. **collector id:** 27. **other id:** MAC9192-8846. **locality:** Sunchu Rancho, Campero. **latitude:** 18 deg. 10 min. S. **longitude:** 066 deg. 30 min. W. **elevation:** 2120m. Landrace. Seed.

PI 565197 to 565258-continued

- PI 565209 **origin:** Bolivia. **local name:** MOCHO. **collected:** September 05, 1982. **collector:** A. Rojas. **collector id:** 29. **other id:** MAC9192-8850. **locality:** San Pedro, Campero. **latitude:** 17 deg. 55 min. S. **longitude:** 065 deg. 30 min. W. **elevation:** 2185m. Landrace. Seed.
- PI 565210 **origin:** Bolivia. **local name:** NAPO. **collected:** November 12, 1982. **collector:** J. Carvajal. **collector id:** 30. **other id:** MAC9192-8852. **locality:** Pampa La Vilia, Aviles. **latitude:** 21 deg. 42 min. S. **longitude:** 064 deg. 40 min. W. **elevation:** 1800m. Landrace. Seed.
- PI 565211 **origin:** Bolivia. **local name:** LERMA. **collected:** November 12, 1982. **collector:** J. Carvajal. **collector id:** 31. **other id:** MAC9192-8854. **locality:** Pampa La Villa, Aviles. **latitude:** 21 deg. 42 min. S. **longitude:** 064 deg. 40 min. W. **elevation:** 1800m. Landrace. Seed.
- PI 565212 **origin:** Bolivia. **local name:** OVILI. **collected:** August 24, 1982. **collector:** S. Alandia, D. Morales. **collector id:** 33. **other id:** MAC9192-8858. **locality:** Camiclaya, Inquisivi. **latitude:** 16 deg. 43 min. S. **longitude:** 067 deg. 03 min. W. **elevation:** 2830m. Landrace. Seed.
- PI 565213 **origin:** Bolivia. **local name:** FLORENTINO. **collected:** January 23, 1983. **collector:** M. Crespo. **collector id:** 40. **other id:** MAC9192-8872. **locality:** Torrecillas, Cabaliero. **latitude:** 17 deg. 55 min. S. **longitude:** 064 deg. 12 min. W. **elevation:** 2550m. Landrace. Seed.
- PI 565214 **origin:** Bolivia. **local name:** TRIGO. **collected:** April 20, 1983. **collector:** A. Avila, A. Rojas, P. Gulick. **collector id:** 43. **other id:** MAC9192-8878. **locality:** Aguirre, Chapare. **latitude:** 17 deg. 20 min. S. **longitude:** 064 deg. 10 min. W. **elevation:** 3340m. Landrace. Seed.
- PI 565215 **origin:** Bolivia. **local name:** REDONDILLO. **collected:** May 08, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 47. **other id:** MAC9192-8886. **locality:** Tarabuco, Yamparaez. **latitude:** 19 deg. 13 min. S. **longitude:** 065 deg. 13 min. W. Landrace. Seed.
- PI 565216 **origin:** Bolivia. **local name:** TRIGO GABO. **collected:** May 10, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 49. **other id:** MAC9192-8890. **locality:** Villa-Villa, Yamparaez. **latitude:** 19 deg. 07 min. S. **longitude:** 065 deg. 05 min. W. **elevation:** 2900m. Landrace. Seed.

PI 565197 to 565258-continued

- PI 565217 **origin:** Bolivia. **local name:** GABO. **collected:** May 10, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 50. **other id:** MAC9192-8892. **locality:** Villa-Villa, Yamparaez. **latitude:** 19 deg. 05 min. S. **longitude:** 065 deg. 05 min. W. **elevation:** 2900m. Landrace. Seed.
- PI 565218 **origin:** Bolivia. **local name:** GABO. **collected:** May 10, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 51. **other id:** MAC9192-8894. **locality:** Morado K'asa, Yamparaez. **latitude:** 19 deg. 07 min. S. **longitude:** 065 deg. 05 min. W. **elevation:** 2800m. Landrace. Seed.
- PI 565219 **origin:** Bolivia. **local name:** AUSTRALIANO. **collected:** May 10, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 52. **other id:** MAC9192-8896. **locality:** Morado K'asa, Yamparaez. **latitude:** 19 deg. 07 min. S. **longitude:** 065 deg. 05 min. W. **elevation:** 2800m. Landrace. Seed.
- PI 565220 **origin:** Bolivia. **local name:** TRIGO. **collected:** May 10, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 53. **other id:** MAC9192-8898. **locality:** Canalpampa, Zudanez. **latitude:** 19 deg. 10 min. S. **longitude:** 065 deg. 23 min. W. **elevation:** 2460m. Landrace. Seed.
- PI 565221 **origin:** Bolivia. **local name:** TRIGO. **collected:** May 10, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 54. **other id:** MAC9192-8900. **locality:** Peral, Zudanez. **latitude:** 19 deg. 57 min. S. **longitude:** 064 deg. 26 min. W. **elevation:** 2510m. Landrace. Seed.
- PI 565222 **origin:** Bolivia. **local name:** GABO. **collected:** May 10, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 55. **other id:** MAC9192-8902. **locality:** Peral, Zudanez. **latitude:** 19 deg. 57 min. S. **longitude:** 064 deg. 26 min. W. **elevation:** 2510m. Landrace. Seed.
- PI 565223 **origin:** Bolivia. **local name:** AUSTRALIANO. **collected:** May 10, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 56. **other id:** MAC9192-8904. **locality:** Salapampa, Zudanez. **latitude:** 14 deg. 07 min. S. **longitude:** 064 deg. 40 min. W. **elevation:** 2660m. Landrace. Seed.
- PI 565224 **origin:** Bolivia. **local name:** FLORENTINO. **collected:** May 11, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 58. **other id:** MAC9192-8906. **locality:** Arcillos, Tomina. **latitude:** 19 deg. 12 min. S. **longitude:** 064 deg. 25 min. W. **elevation:** 2080m. Landrace. Seed.

PI 565197 to 565258-continued

- PI 565225 **origin:** Bolivia. **local name:** FLORENTINO. **collected:** May 11, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 59. **other id:** MAC9192-8908. **locality:** Subu-Subu, Tomina. **latitude:** 19 deg. 12 min. S. **longitude:** 064 deg. 24 min. W. **elevation:** 2160m. Landrace. Seed.
- PI 565226 **origin:** Bolivia. **local name:** FLORENTINO. **collected:** May 11, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 60. **other id:** MAC9192-8910. **locality:** Pampa de la Caldera, Tomina. **latitude:** 19 deg. 12 min. S. **longitude:** 064 deg. 30 min. W. **elevation:** 2020m. Landrace. Seed.
- PI 565227 **origin:** Bolivia. **local name:** AMERICANA. **collected:** May 11, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 61. **other id:** MAC9192-8912. **locality:** Pampa de la Caldera, Tomina. **latitude:** 19 deg. 12 min. S. **longitude:** 064 deg. 30 min. W. **elevation:** 2020m. Landrace. Seed.
- PI 565228 **origin:** Bolivia. **local name:** FLORENTINO. **collected:** May 12, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 62. **other id:** MAC9192-8914. **locality:** Concepcion Pampa, Belisario Boeto. **latitude:** 19 deg. 08 min. S. **longitude:** 064 deg. 20 min. W. **elevation:** 2020m. Landrace. Seed.
- PI 565229 **origin:** Bolivia. **local name:** GABO. **collected:** May 12, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 63. **other id:** MAC9192-8916. **locality:** Concepcion Pampa, Belisario Boeto. **latitude:** 19 deg. 08 min. S. **longitude:** 064 deg. 20 min. W. **elevation:** 2020m. Landrace. Seed.
- PI 565230 **origin:** Bolivia. **local name:** AMERICANO. **collected:** May 13, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 65. **other id:** MAC9192-8920. **locality:** Pupa Huaycu, Zudanez. **latitude:** 19 deg. 10 min. S. **longitude:** 065 deg. 23 min. W. **elevation:** 2400m. Landrace. Seed.
- PI 565231 **origin:** Bolivia. **local name:** TRIGO AUSTRALIANO. **collected:** May 13, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 66. **other id:** MAC9192-8922. **locality:** Lavadero Pampa, Yamparaez. **latitude:** 19 deg. 07 min. S. **longitude:** 065 deg. 05 min. W. **elevation:** 2750m. Landrace. Seed.
- PI 565232 **origin:** Bolivia. **local name:** GABO. **collected:** May 13, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 67. **other id:** MAC9192-8924. **locality:** Lavadero Pampa, Yamparaez. **latitude:** 19 deg. 07 min. S. **longitude:** 065 deg. 05 min. W. **elevation:** 2750m. Landrace. Seed.

PI 565197 to 565258-continued

- PI 565233 **origin:** Bolivia. **local name:** TRIGO VICTORIA. **collected:** May 11, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 68. **other id:** MAC9192-8926. **locality:** Vila-Vila, Yamparaez. **latitude:** 19 deg. 07 min. S. **longitude:** 065 deg. 05 min. W. **elevation:** 2900m. Landrace. Seed.
- PI 565234 **origin:** Bolivia. **local name:** TRIGO TEMPRANILLO. **collected:** May 11, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 69. **other id:** MAC9192-8928. **locality:** Lajas, Yamparaez. **latitude:** 19 deg. 13 min. S. **longitude:** 065 deg. 13 min. W. **elevation:** 2900m. Landrace. Seed.
- PI 565235 **origin:** Bolivia. **local name:** TRIGO AUSTRALIANO. **collected:** May 11, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 70. **other id:** MAC9192-8930. **locality:** Vila-Vila, Yamparaez. **latitude:** 19 deg. 07 min. S. **longitude:** 065 deg. 05 min. W. **elevation:** 2900m. Landrace. Seed.
- PI 565236 **origin:** Bolivia. **local name:** JARAL. **collected:** May 11, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 71. **other id:** MAC9192-8932. **locality:** Lajas, Yamparaez. **latitude:** 19 deg. 13 min. S. **longitude:** 065 deg. 13 min. W. **elevation:** 2900m. Landrace. Seed.
- PI 565237 **origin:** Bolivia. **local name:** K'ARA HUMA. **collected:** May 11, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 72. **other id:** MAC9192-8934. **locality:** Lajas, Yamparaez. **latitude:** 19 deg. 13 min. S. **longitude:** 065 deg. 13 min. W. **elevation:** 2900m. Landrace. Seed.
- PI 565238 **origin:** Bolivia. **local name:** QUIMORA. **collected:** May 13, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 73. **other id:** MAC9192-8936. **locality:** Redencion Pampa, Zudanez. **latitude:** 19 deg. 08 min. S. **longitude:** 065 deg. 18 min. W. Landrace. Seed.
- PI 565239 **origin:** Bolivia. **local name:** JARAL. **collected:** May 13, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 74. **other id:** MAC9192-8938. **locality:** Turu Mayu, Zudanez. **latitude:** 19 deg. 08 min. S. **longitude:** 065 deg. 18 min. W. Landrace. Seed.
- PI 565240 **origin:** Bolivia. **local name:** TRIGO. **collected:** May 13, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 75. **other id:** MAC9192-8940. **locality:** San Antonio, Zudanez. **latitude:** 19 deg. 08 min. S. **longitude:** 065 deg. 18 min. W. Landrace. Seed.

PI 565197 to 565258-continued

- PI 565241 **origin:** Bolivia. **local name:** SAGUAYO. **collected:** May 13, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 76. **other id:** MAC9192-8942. **locality:** San Antonio, Zudanez. **latitude:** 19 deg. 08 min. S. **longitude:** 065 deg. 18 min. W. Landrace. Seed.
- PI 565242 **origin:** Bolivia. **local name:** REDONDILLO. **collected:** May 13, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 77. **other id:** MAC9192-8944. **locality:** Chuqui Chuqui, Oropeza. **latitude:** 18 deg. 50 min. S. **longitude:** 065 deg. 08 min. W. Landrace. Seed.
- PI 565243 **origin:** Bolivia. **local name:** MEXICO. **collected:** June 21, 1983. **collector:** A. Avila, A. Rojas. **collector id:** 79. **other id:** MAC9192-8948. **locality:** Cochabamba. Landrace. Seed.
- PI 565244 **origin:** Bolivia. **local name:** ASTRILLANO. **collected:** June 21, 1983. **collector:** A. Avila, A. Rojas. **collector id:** 80. **other id:** MAC9192-8950. **locality:** Cochabamba. Landrace. Seed.
- PI 565245 **origin:** Bolivia. **local name:** CRIOLLO. **collected:** July 15, 1983. **collector:** A. Avila, A. Rojas. **collector id:** 86. **other id:** MAC9192-8962. **locality:** Huaynacota, Capinota. **latitude:** 17 deg. 38 min. S. **longitude:** 066 deg. 13 min. W. **elevation:** 2500m. Landrace. Seed.
- PI 565246 **origin:** Bolivia. **local name:** CRIOLLO. **collected:** July 15, 1983. **collector:** A. Avila, A. Rojas. **collector id:** 90. **other id:** MAC9192-8970. **locality:** Banda Rancho, Carrasco. **latitude:** 17 deg. 40 min. S. **longitude:** 066 deg. 15 min. W. **elevation:** 2750m. Landrace. Seed.
- PI 565247 **origin:** Bolivia. **local name:** CRIOLLITO. **collected:** July 15, 1983. **collector:** A. Avila, A. Rojas. **collector id:** 91. **other id:** MAC9192-8972. **locality:** Banda Rancho, Carrasco. **latitude:** 17 deg. 40 min. S. **longitude:** 066 deg. 15 min. W. **elevation:** 2750m. Landrace. Seed.
- PI 565248 **origin:** Bolivia. **local name:** JATUM MOCHO. **collected:** July 15, 1983. **collector:** S. alandia. **collector id:** 93. **other id:** MAC9192-8976. **locality:** Wayllas, Chayanta. **latitude:** 18 deg. 30 min. S. **longitude:** 066 deg. 07 min. W. **elevation:** 3480m. Landrace. Seed.
- PI 565249 **origin:** Bolivia. **local name:** FLORENTINO. **collected:** July 15, 1983. **collector:** S. Alandia. **collector id:** 95. **other id:** MAC9192-8978. **locality:** Antora, Chayanta. **latitude:** 18 deg. 45 min. S. **longitude:** 066 deg. 16 min. W. **elevation:** 3600m. Landrace. Seed.

PI 565197 to 565258-continued

- PI 565250 **origin:** Bolivia. **local name:** FLORENTINO. **collected:** July 08, 1983. **collector:** S. Alandia. **collector id:** 97. **other id:** MAC9192-8980. **locality:** Rodeo, Chayanta. **latitude:** 18 deg. 30 min. S. **longitude:** 066 deg. 07 min. W. **elevation:** 3450m. Landrace. Seed.
- PI 565251 **origin:** Bolivia. **local name:** CHAMPU. **collected:** July 08, 1983. **collector:** S. Alandia. **collector id:** 98. **other id:** MAC9192-8982. **locality:** Corral Mayu, Chayanta. **latitude:** 19 deg. 30 min. S. **longitude:** 066 deg. 07 min. W. **elevation:** 3400m. Landrace. Seed.
- PI 565252 **origin:** Bolivia. **local name:** CHUMPI. **collected:** July 08, 1983. **collector:** S. Alandia. **collector id:** 100. **other id:** MAC9192-8984. **locality:** Pachawe, Chayanta. **latitude:** 18 deg. 43 min. S. **longitude:** 066 deg. 09 min. W. **elevation:** 3450m. Landrace. Seed.
- PI 565253 **origin:** Bolivia. **local name:** FLORENTINO. **collected:** July 08, 1983. **collector:** S. Alandia. **collector id:** 101. **other id:** MAC9192-8986. **locality:** Pachawe, Chayanta. **latitude:** 18 deg. 43 min. S. **longitude:** 066 deg. 09 min. W. **elevation:** 3450m. Landrace. Seed.
- PI 565254 **origin:** Bolivia. **local name:** KHUMPU. **collected:** July 08, 1983. **collector:** S. Alandia. **collector id:** 102. **other id:** MAC9192-8988. **locality:** Khara Khara, Chayanta. **latitude:** 19 deg. 30 min. S. **longitude:** 066 deg. 07 min. W. **elevation:** 3500m. Landrace. Seed.
- PI 565255 **origin:** Bolivia. **local name:** FLORENTINO. **collected:** July 08, 1983. **collector:** S. Alandia. **collector id:** 103. **other id:** MAC9192-8990. **locality:** Khara Khara, Chayanta. **latitude:** 19 deg. 30 min. S. **longitude:** 066 deg. 07 min. W. **elevation:** 3450m. Landrace. Seed.
- PI 565256 **origin:** Bolivia. **local name:** JATUM MOCHO. **collected:** July 08, 1983. **collector:** S. Alandia. **collector id:** 104. **other id:** MAC9192-8992. **locality:** Tanga Tanga, Chayanta. **latitude:** 19 deg. 30 min. S. **longitude:** 066 deg. 07 min. W. **elevation:** 3450m. Landrace. Seed.
- PI 565257 **origin:** Bolivia. **local name:** PERLA. **collected:** August 04, 1983. **collector:** G. Avila. **collector id:** 106. **other id:** MAC9192-8994. **locality:** Villa Abecia, SudCinti. **elevation:** 2300m. Landrace. Seed.
- PI 565258 **origin:** Bolivia. **collector id:** 109. **other id:** MAC9192-8996. Landrace. Seed.



PI 565259 to 565271. Triticum durum Desf. POACEAE Wheat

**Donated by:** Gonzalo, Avila L., Banco de Germoplasma, Centro Fitotecnico de Pairumani, Casilla, Cochabamba 128, Bolivia. Received October 08, 1991.

- PI 565259 **origin:** Bolivia. **local name:** YURAC MEXICO. **collected:** September 05, 1982. **collector:** A. Rojas. **collector id:** 6. **other id:** MAC9192-8804. **locality:** Kewinal, Arani. **latitude:** 17 deg. 24 min. S. **longitude:** 066 deg. 14 min. W. **elevation:** 3245m. Landrace. Seed.
- PI 565260 **origin:** Bolivia. **local name:** YANA BARBA. **collected:** September 05, 1982. **collector:** A. Rojas. **collector id:** 7. **other id:** MAC9192-8806. **locality:** Chijmuri, Carrasco. **latitude:** 17 deg. 40 min. S. **longitude:** 065 deg. 15 min. W. **elevation:** 2700m. Landrace. Seed.
- PI 565261 **origin:** Bolivia. **local name:** YANA BARBA. **collected:** September 06, 1982. **collector:** A. Rojas. **collector id:** 21. **other id:** MAC9192-8834. **locality:** Chijmuri, Carrasco. **latitude:** 17 deg. 40 min. S. **longitude:** 065 deg. 15 min. W. **elevation:** 2725m. Landrace. Seed.
- PI 565262 **origin:** Bolivia. **local name:** YANA BARBA. **collected:** September 06, 1982. **collector:** A. Rojas. **collector id:** 26. **other id:** MAC9192-8844. **locality:** Hoyadas, Carrasco. **latitude:** 17 deg. 40 min. S. **longitude:** 065 deg. 15 min. W. **elevation:** 2375m. Landrace. Seed.
- PI 565263 **origin:** Bolivia. **local name:** MEXICO YANA BARBA. **collected:** September 04, 1982. **collector:** A. Rojas. **collector id:** 28. **other id:** MAC9192-8848. **locality:** Tago Loma, Jordan. **latitude:** 17 deg. 35 min. S. **longitude:** 066 deg. 13 min. W. **elevation:** 2850m. Landrace. Seed.
- PI 565264 **origin:** Bolivia. **local name:** TRIGO. **collected:** January 23, 1983. **collector:** M. Crespo. **collector id:** 41. **other id:** MAC9192-8874. **locality:** Pojo, Carrasco. **latitude:** 17 deg. 45 min. S. **longitude:** 064 deg. 53 min. W. **elevation:** 2000m. Landrace. Seed.
- PI 565265 **origin:** Bolivia. **local name:** BARBA NEGRA. **collected:** May 13, 1983. **collector:** L. Pierola, P. Gulick. **collector id:** 64. **other id:** MAC9192-8918. **locality:** Pupa Huaycu, Zudanez. **latitude:** 19 deg. 10 min. S. **longitude:** 065 deg. 23 min. W. **elevation:** 2400m. Landrace. Seed.

PI 565259 to 565271-continued

- PI 565266 **origin:** Bolivia. **local name:** MEXICO. **collected:** June 21, 1983. **collector:** A. Avila, A. Rojas. **collector id:** 81. **other id:** MAC9192-8952. **locality:** Punata, Punata. **latitude:** 17 deg. 34 min. S. **longitude:** 065 deg. 50 min. W. **elevation:** 2730m. Landrace. Seed.
- PI 565267 **origin:** Bolivia. **local name:** ASTRILLANO. **collected:** July 15, 1983. **collector:** A. Avila, A. Rojas. **collector id:** 85. **other id:** MAC9192-8960. **locality:** Playa Ancha, Capinota. **latitude:** 17 deg. 38 min. S. **longitude:** 066 deg. 13 min. W. **elevation:** 2400m. Landrace. Seed.
- PI 565268 **origin:** Bolivia. **local name:** CRIOLLO. **collected:** July 15, 1983. **collector:** A. Avila, A. Rojas. **collector id:** 87. **other id:** MAC9192-8964. **locality:** Playa Ancha, Capinota. **latitude:** 17 deg. 40 min. S. **longitude:** 066 deg. 15 min. W. **elevation:** 2400m. Landrace. Seed.
- PI 565269 **origin:** Bolivia. **local name:** CRIOLLITO. **collected:** July 15, 1983. **collector:** A. Avila, A. Rojas. **collector id:** 88. **other id:** MAC9192-8966. **locality:** Rancho Moco, Capinota. **latitude:** 17 deg. 33 min. S. **longitude:** 066 deg. 16 min. W. **elevation:** 2400m. Landrace. Seed.
- PI 565270 **origin:** Bolivia. **local name:** FLORENTINO. **collected:** July 15, 1983. **collector:** A. Avila, A. Rojas. **collector id:** 92. **other id:** MAC9192-8974. **locality:** Banda Rancho, Carrasco. **latitude:** 17 deg. 40 min. S. **longitude:** 066 deg. 15 min. W. **elevation:** 2750m. Landrace. Seed.
- PI 565271 **origin:** Bolivia. **collector id:** 111. **other id:** MAC9192-9000. Landrace. Seed.

PI 565272 to 565273. *Helianthus annuus* L. ASTERACEAE Sunflower

**Donated by:** Hanzel, J.J., North Dakota Agr. Exp. Sta., North Dakota State University, Fargo, North Dakota 58105-5051, United States; **and** Agricultural Research Service -- USDA. **remarks:** Two Bird-Resistant Sunflower Germplasm Lines. Received February 19, 1993.

PI 565272 to 565273-continued

PI 565272 **origin:** United States. **developed:** J.J. Hanzel, T.J. Gulya. **origin institute:** North Dakota Agr. Exp. Sta., North Dakota State University, Dept. of Crop and Weed Sciences, Fargo, North Dakota 58105-5051 United States. **cultivar:** NDBR1. **pedigree:** Impira INTA white \*2/3SP/2/HA89. **other id:** GP-187. **source:** Crop Sci. 33(6):1419 1993. **group:** CSR-SUNFLOWER. **restricted:** CSR. **remarks:** Bloom 65-70 days after planting. Mature in 105-110 days. Plants average 130cm in height. Achenes grey to black, average oil content of 45% (10% moisture). Plants possess morphological traits, i.e. concave-shaped heads, heads facing downward, and long head-to-stem distance, which condition resistance to seed loss by feeding birds (*Agelaius phoeniceus* L., *Xanthocephalus xanthocephalus* L., and *Quiscalus quiscula* L.). Spring Annual. Breeding Material. Seed.

PI 565273 **origin:** United States. **developed:** J.J. Hanzel, T.J. Gulya. **origin institute:** North Dakota Agr. Exp. Sta., North Dakota State University, Dept. of Crop and Weed Sciences, Fargo, North Dakota 58105 United States. **cultivar:** NDBR2. **pedigree:** Impira INTA white \*2/3SP/2/HA89. **other id:** GP-188. **source:** Crop Sci. 33(6):1419 1993. **group:** CSR-SUNFLOWER. **restricted:** CSR. **remarks:** Bloom 65-70 days after planting and mature in 105-110 days. Plants average 130cm in height. Achenes gray to black and have an average oil content of 45% (10% moisture). Plants possess morphological traits, i.e. concave-shaped heads, heads facing downward, and long head-to-stem distance, which condition resistance to seed loss by feeding birds (*Agelaius phoeniceus* L., *Xanthocephalus xanthocephalus* L., and *Quiscalus quiscula* L.). Spring Annual. Breeding Material. Seed.

PI 565274. *Medicago sativa* L. FABACEAE Alfalfa

**Donated by:** Bingham, E.T., Wisconsin Agr. Exp. Sta., University of Wisconsin - Madison, Madison, Wisconsin 53706-1597, United States. **remarks:** MAG7 Alfalfa Inbred Parental Line. Received February 19, 1993.

- \* **Medicago sativa** L. subsp. **sativa** FABACEAE Alfalfa  
**origin:** United States. **developed:** E.T. Bingham. **origin institute:** Wisconsin Agr. Exp. Sta., University of Wisconsin, Agronomy Dept., 1575 Linden Drive, Madison, Wisconsin 53706 United States. **cultivar:** MAG7.  
**pedigree:** Derived from 'Multileaf' alfalfa. Elite multileaf plant with white flowers was self-pollinated for three generations, diploidized via haploidy, re-doubled to a tetraploid, and inbred and selected seven more generations. **other id:** PL-4. **source:** Crop Sci. 33(6):1427 1993. **group:** CSR-ALFALFA. **other id:** W6 11387. **group:** W6. **restricted:** CSR. **remarks:** Deep inbred line of alfalfa  $2n=4x=32$  chromosomes. Typical for an inbred of a cross pollinated species and exhibits inbreeding depression. Excellent combining ability and persistence in Wisconsin. Has not been tested for resistance to insects or diseases. Flower light purple to white, seeds tend to be whiter than standard alfalfa. Inbreeding coefficient is  $F=.8$ . Anticipated use is in research requiring an inbred. Cytoplasm male-fertile. Other characteristics typical of cultivated alfalfa. Perennial. Breeding Material. Seed.

PI 565275 to 565280. **Medicago sativa** L. FABACEAE Alfalfa

**Donated by:** Erwin, D.C., California Agr. Exp. Sta., University of California, Riverside, California 92521-0122, United States.  
**remarks:** Six Alfalfa Germplasms. Received February 19, 1993.

- \* PI 565275 **Medicago sativa** L. subsp. **sativa** FABACEAE Alfalfa  
**origin:** United States. **developed:** D.C. Erwin, R.A. Khan.  
**origin institute:** California Agr. Exp. Sta., University of California, Dept. of Plant Pathology, Riverside, California 92521-0122 United States. **cultivar:** AV89-14D. **pedigree:** 21 plants selected from CUF101 (48%), UCPX1971 (19%), UC302 (10%), and UC340 (23%).  
**other id:** GP-269. **source:** Crop Sci. 33(6):1425 1993.  
**group:** CSR-ALFALFA. **other id:** W6 11388. **group:** W6.  
**restricted:** CSR. **remarks:** Non-dormant. Selected for resistance to verticillium wilt (*V. albo-atrum*). Also has resistance to fusarium wilt (*Fusarium oxysporum* f. sp. *medicaginis*) and moderate resistance to phytophthora rootrot (*Phytophthora medicaginis*). Perennial. Breeding Material. Seed.

- \* PI 565276 *Medicago sativa* L. subsp. *sativa* FABACEAE Alfalfa  
**origin:** United States. **developed:** D.C. Erwin, R.A. Khan.  
**origin institute:** California Agr. Exp. Sta., University  
of California, Dept. of Plant Pathology, Riverside,  
California 92521-0122 United States. **cultivar:**  
AV89-14A. **pedigree:** 9 plants selected from CUF101 (43%),  
UC329, UC302 and Moapa 69 (11% each) and UC Cibola (22%).  
**other id:** GP-266. **source:** Crop Sci. 33(6):1425 1993.  
**group:** CSR-ALFALFA. **other id:** W6 11389. **group:** W6.  
**restricted:** CSR. **remarks:** Non-dormant. Selected for  
resistance to verticillium wilt (*V. albo-atrum*). Also has  
resistance to fusarium wilt (*Fusarium oxysporum* f. sp.  
*medicaginis*) and moderate resistance to phytophthora  
rootrot (*Phytophthora medicaginis*). Perennial. Breeding  
Material. Seed.
- \* PI 565277 *Medicago sativa* L. subsp. *sativa* FABACEAE Alfalfa  
**origin:** United States. **developed:** D.C. Erwin, R.A. Khan.  
**origin institute:** California Agr. Exp. Sta., University  
of California, Dept. of Plant Pathology, Riverside,  
California 92521-0122 United States. **cultivar:**  
AV89-14B. **pedigree:** 7 plants selected from UCPX1971 and  
UC329 (14% each), Lahontan (29%) and CUF101 (43%). **other  
id:** GP-267. **source:** Crop Sci. 33(6):1425 1993. **group:**  
CSR-ALFALFA. **other id:** W6 11390. **group:** W6.  
**restricted:** CSR. **remarks:** Non-dormant. Selected for  
resistance to verticillium wilt (*V. albo-atrum*). Also has  
resistance to fusarium wilt (*Fusarium oxysporum* f. sp.  
*medicaginis*) and moderate resistance to phytophthora  
rootrot (*Phytophthora medicaginis*). Perennial. Breeding  
Material. Seed.
- \* PI 565278 *Medicago sativa* L. subsp. *sativa* FABACEAE Alfalfa  
**origin:** United States. **developed:** D.C. Erwin, R.A. Khan.  
**origin institute:** California Agr. Exp. Sta., University  
of California, Dept. of Plant Pathology, Riverside,  
California 92521-0122 United States. **cultivar:**  
AV89-14C. **pedigree:** 92 plants selected from CUF101  
(54%), UC329 (18%), UC302 and UC340 (12% each). **other  
id:** GP-268. **source:** Crop Sci. 33(6):1425 1993. **group:**  
CSR-ALFALFA. **other id:** W6 11391. **group:** W6.  
**restricted:** CSR. **remarks:** Non-dormant. Selected for  
resistance to verticillium wilt (*V. albo-atrum*). Also has  
resistance to fusarium wilt (*Fusarium oxysporum* f. sp.  
*medicaginis*) and moderate resistance to phytophthora  
rootrot (*Phytophthora medicaginis* 0). Perennial.  
Breeding Material. Seed.

PI 565275 to 565280-continued

- \* PI 565279 *Medicago sativa* L. subsp. *sativa* FABACEAE Alfalfa  
**origin:** United States. **developed:** D.C. Erwin, R.A. Khan.  
**origin institute:** California Agr. Exp. Sta., University  
of California, Dept. of Plant Pathology, Riverside,  
California 92521-0122 United States. **cultivar:**  
UC193-194VR. **pedigree:** 134 plants selected from UC193  
(48%) and from UC194 (52%). **other id:** GP-270. **source:**  
Crop Sci. 33(6):1425 1993. **group:** CSR-ALFALFA. **other**  
**id:** W6 11392. **group:** W6. **restricted:** CSR. **remarks:**  
Non-dormant. Selected for resistance to verticillium wilt  
(*V. albo-atrum*). Also has resistance to fusarium wilt  
(*Fusarium oxysporum* f. sp. *medicaginis*) and moderate  
resistance to phytophthora rootrot (*Phytophthora*  
*medicaginis*). Perennial. Breeding Material. Seed.
- \* PI 565280 *Medicago sativa* L. subsp. *sativa* FABACEAE Alfalfa  
**origin:** United States. **developed:** D.C. Erwin, R.A. Khan.  
**origin institute:** California Agr. Exp. Sta., University  
of California, Dept. of Plant Pathology, Riverside,  
California 92521-0122 United States. **cultivar:**  
UC257VR. **pedigree:** 10 plants from UC257: UC62(2),  
UC76(2), UC76D(9), UC88(6), UC100(13), UCPX71(22),  
WL340(6), WL318(10), WL508(3), Nevada Synxx(11), Nevada  
Synyy(13) and AS13A(8). **other id:** GP-271. **source:** Crop  
Sci. 33(6):1425 1993. **group:** CSR-ALFALFA. **other id:** W6  
11393. **group:** W6. **restricted:** CSR. **remarks:**  
Non-dormant. Selected for resistance to verticillium wilt  
(*V. albo-atrum*). Also has resistance to fusarium wilt  
(*Fusarium oxysporum* f.sp. *medicaginis*), bacterial wilt  
(*Clavibacter michigenense* sub sp. *insidiosum*), and  
moderate resistance to phytophthora rootrot (*Phytophthora*  
*medicaginis*). Perennial. Breeding Material. Seed.

PI 565281 to 565286. *Beta vulgaris* L. CHENOPODIACEAE Sugarbeet

**Donated by:** Lewellen, R.T., USDA-ARS, Agricultural Research Station,  
1636 E Alisal St., Salinas, California 93905, United States.  
Received February 25, 1993.

PI 565281 **origin:** United States. **cultivar:** C49/2. **pedigree:**  
Selected from C49, an improved population from the line  
cross of C37/C31/2. **other id:** Y049. **remarks:** Represents  
two additional cycles of selection from C49 for  
resistance to virus yellows, Erwinia root rot, powdery  
mildew, and individual root performance for sugar yield.  
Multigerm and self-sterile with fair resistance to curly  
top and bolting. Biennial. Breeding Material. Seed.

PI 565281 to 565286-continued

- PI 565282 **origin:** United States. **cultivar:** C54/2. **pedigree:** Reselected from C54. An improved population from composite crosses involving 50% C46 and 50% C37, C31/4, C91, C49 and C92. **other id:** Y054. **other id:** Y054 (iso). **remarks:** Reselection from C54 for improved resistance to beet yellows virus, Erwinia root rot, and powdery mildew. Multigerm, self-sterile, moderately resistant to curly top and bolting with adaptation to California. Broadly based. Biennial. Breeding Material. Seed.
- PI 565283 **origin:** United States. **cultivar:** C603. **pedigree:** S5 line from cross of curly top resistant line similar to C17 to B883. **other id:** N203. **other id:** N103. **remarks:** Homozygous beet cyst nematode (*Heterodera schachtii*) resistant line. Multigerm. Self-fertile (Sf). Line identified in S2 progeny test as homozygous resistant. Biennial. Breeding Material. Seed.
- PI 565284 **origin:** United States. **cultivar:** C603-1. **pedigree:** Single plant increase from S3 of C603 that showed better pollen fertility and plant vigor. **other id:** N203-1. **other id:** N103-1. **remarks:** Homozygous beet cyst nematode (*Heterodera schachtii*) resistant line. Biennial. Breeding Material. Seed.
- PI 565285 **origin:** United States. **cultivar:** C859. **pedigree:** Recombined composite crosses and backcrosses of multigerm source of rhizomania to monogerm, O-type, curly top resistant germplasm similar to C566 and C563. **other id:** 2859 (iso). **other id:** 2859R (iso). **other id:** 2859m(Sp). **remarks:** Variable, self-fertile (Sf) population that segregates for resistance to rhizomania (Rz). Could be used as a source to obtain combined resistance to curly top virus and rhizomania in monogerm, O-type background. Population segregates for monogermity, O-type, curly top resistance, hypocotyl color, genetic male sterility, etc. Biennial. Breeding Material. Seed.
- PI 565286 **origin:** United States. **cultivar:** B883. **pedigree:** Sugar beets homozygous for resistance to beet cyst nematode (*Heterodera schachtii*), developed from monosomic additions of *Beta procumbens* to *B. vulgaris*. **other id:** N801A. **remarks:** Increased from B883. Homozygous cyst nematode resistant line from I.R.S., Bergen op Zoom, The Netherlands. Multigerm. Self-fertile (Sf). Not fully pollen fertile. Very low vigor. Small canopy. Easy bolting. Biennial. Breeding Material. Seed.

PI 565287. *Arachis* sp. FABACEAE Peanut

**Donated by:** Simpson, C.E., Texas Agr. Exp. Sta., Texas A&M Univ. Res. and Ext. Ctr., Stephenville, Texas 76401, United States.  
**remarks:** TXAG-6 and TXAG-7 Peanut Germplasms. Received February 25, 1993.

**origin:** United States. **developed:** C.E. Simpson, S.C. Nelson, J.L. Starr, K.E. Woodard, O.D. Smith. **origin institute:** Texas Agr. Exp. Sta., Texas A&M Univ. Res. and Ext. Ctr., Route 2, Box 00, Stephenville, Texas 76401 United States. **cultivar:** TXAG-6. **pedigree:** (*Arachis batizocoi* (K-9484, PI 298639)/(*A. cardenasii* (GKP-10017, PI 262141)/*A. chacoensis* (GKP-10602, PI 276235)))4x. **other id:** TP-129. **other id:** GP-63. **source:** Crop Sci. 33(6):1418 1993. **group:** CSR-PEANUT. **restricted:** CSR. **remarks:** Highly resistant to root-knot nematode (*Meloidogyne arenaria*) and is virtually immune to early and late leafspot (*Cercospora arachidicola* and *Phaeoisariopsis personata*), respectively. Highly uniform. Seeds very small (13g 100-1) and contained in single segmented pods. Plants prostrate, sparsely branched, mainstem height 30-40cm. Seed color brown/tan, with occasional red seed. Flower color yellow. Leaves dark green. Spring Annual. Breeding Material. Seed.

PI 565288. *Arachis hypogaea* L. FABACEAE Peanut

**Donated by:** Simpson, C.E., Texas Agr. Exp. Sta., Texas A&M Univ. Res. and Ext. Ctr., Stephenville, Texas 76401, United States.  
Received February 25, 1993.

**origin:** United States. **developed:** C.E. Simpson, S.C. Nelson, J.L. Starr, K.E. Woodard, O.D. Smith. **origin institute:** Texas Agr. Exp. Sta., Texas A&M Univ. Res. and Ext. Ctr., Route 2, Box 00, Stephenville, Texas 76401 United States. **cultivar:** TXAG-7. **pedigree:** (((*Arachis batizocoi* (K-9484, PI 298639)/(*A. cardenasii* (GKP-10017, PI 262141)/*A. chacoensis* (GKP-10602, PI 276235)))4x/*A. hypogaea* (cv. 'Florunner'))/*A. hypogaea* (cv. Florunner)) - 6A. **other id:** TP-135-4. **other id:** GP-64. **source:** Crop Sci. 33(6):1418 1993. **group:** CSR-PEANUT. **restricted:** CSR. **remarks:** Highly resistant to root-knot nematode (*Meloidogyne arenaria*). Moderately resistant to early leafspot (*Cercospora arachidicola*) and good resistance to late leafspot (*Phaeoisariopsis personata*). Reasonably uniform. Mature seeds reddish-brown and small (27.7g 100-1). Most pods single segmented. Plants prostrate with moderate to extensive branching and dark green color. Flowers orange. Spring Annual. Breeding Material. Seed.



PI 565289. *Psathyrostachys juncea* (Fischer) Nevski POACEAE Russian wild ryegrass

**Donated by:** Kielly, G.A., Swift Current Res. Sta. -- Agric. Canada, Box 1030, Swift Current, Saskatchewan S9H 3X2, Canada. **remarks:** Tetracan Russian Wild Ryegrass. Received February 25, 1993.

**origin:** Canada. **developed:** T. Lawrence, A.E. Slinkard, G.A. Kielly, C.D. Ratzlaff, N.W. Holt, P.G. Jefferson. **origin institute:** Swift Current Res. Sta. -- Agric. Canada, P.O. Box 1030, Swift Current, Saskatchewan S9H 3X2 Canada. **cultivar:** TETRACAN. **pedigree:** Open-pollinated seed of 27 plants from 11 sources (Canadian and U.S. breeding programs). **other id:** W6 11395. **group:** W6. **other id:** CV-159. **source:** Crop Sci. 34(1):308 1994. **group:** CSR-OTHER GRASSES. **restricted:** CSR. **remarks:** Tetraploid cultivar with large seeds (456 mg/100 seeds). Heads large, leaves wide. Adapted for dryland pastures of Canadian Prairies. Parental selection based on establishment vigor, fertility, seed yield and seed quality. Perennial. Cultivar. Seed.

PI 565290 to 565299. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Kindiger, B., Agricultural Research Service -- USDA, Southern Plains Range Res. Sta., Woodward, Oklahoma 73801, United States; and Missouri Agr. Exp. Sta.. **remarks:** Nine Male Sterile Maize Genetic Stocks and One Maintainer. Received February 25, 1993.

PI 565290 **origin:** United States. **developed:** B. Kindiger. **origin institute:** Agricultural Research Service -- USDA, Southern Plains Range Res. Sta., Woodward, Oklahoma 73801 United States. **cultivar:** MAINTAINER. **pedigree:** Stock is of modified W23 background and is not fixed as an inbred. Genetic constitution of stock is 3(ig) 3(ig) B-3Ld (Ig). **other id:** GS-1. **source:** Crop Sci. 34(1):321 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Tertiary trisomic stock for chromosome 3 of maize (3, 3, B-3Ld). Homozygous for the ig (indeterminate gametophyte) allele. Allele confers a high frequency of paternal androgenetic haploids. The normal or '+' (Ig) allele is carried on the B-3Ld chromosome. The presence of this extra tertiary trisomic chromosome allows for pollen fertility in ig ig homozygotes. This stock is necessary for maintenance of the ig ig cytoplasmic male sterile lines. Spring Annual. Genetic Material. Seed.

- PI 565291 **origin:** United States. **developed:** B. Kindiger. **origin institute:** Agricultural Research Service -- USDA, Southern Plains Range Res. Sta., Woodward, Oklahoma 73801 United States. **cultivar:** ig ig cms-Q. **pedigree:** Modified inbred line 'W23' carries male sterile cytoplasm cms-Q and is homozygous for ig. **other id:** GS-2. **source:** Crop Sci. 34(1):321 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Stock carries the Q type cytoplasmic male sterile cytoplasm. Stock is also homozygous for the (ig) indeterminate gametophyte gene and carries the seed and seedling color allele R-nj in a homozygous condition. Since the line is male sterile, stock must be maintained by the "maintainer" line. Spring Annual. Genetic Material. Seed.
- PI 565292 **origin:** United States. **developed:** B. Kindiger. **origin institute:** Agricultural Research Service -- USDA, Southern Plains Range Res. Sta., Woodward, Oklahoma 93801 United States. **cultivar:** ig ig cms-L. **pedigree:** Modified inbred line 'W23' carries male sterile cytoplasm cms-L and is homozygous for ig. **other id:** GS-3. **source:** Crop Sci. 34(1):321 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Stock carries the L type cytoplasmic male sterile cytoplasm. Stock is also homozygous for the (ig) indeterminate gametophyte gene and carries the seed and seedling color allele R-nj in a homozygous condition. Since the line is male sterile, stock must be maintained by the "maintainer" line. Spring Annual. Genetic Material. Seed.
- PI 565293 **origin:** United States. **developed:** B. Kindiger. **origin institute:** Agricultural Research Service -- USDA, Southern Plains Range Res. Sta., Woodward, Oklahoma 73801 United States. **cultivar:** ig ig cms-C. **pedigree:** Modified inbred line 'W23' carries male sterile cytoplasm cms-C and is homozygous for ig. **other id:** GS-4. **source:** Crop Sci. 34(1):321 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Stock carries the C type cytoplasmic male sterile cytoplasm. Stock is also homozygous for the (ig) indeterminate gametophyte gene and carries the seed and seedling color allele R-nj in a homozygous condition. Since the line is male sterile, stock must be maintained by the "maintainer" line. Spring Annual. Genetic Material. Seed.

- PI 565294 **origin:** United States. **developed:** B. Kindiger. **origin institute:** Agricultural Research Service -- USDA, Southern Plains Range Res. Sta., Woodward, Oklahoma 73801 United States. **cultivar:** ig ig cms-CA. **pedigree:** Modified inbred line 'W23' carries male sterile cytoplasm cms-CA and is homozygous for ig. **other id:** GS-5. **source:** Crop Sci. 34(1):321 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Stock carries the CA type cytoplasmic male sterile cytoplasm. Stock is also homozygous for the (ig) indeterminate gametophyte gene and carries the seed and seedling color allele R-nj in a homozygous condition. Since the line is male sterile, stock must be maintained by the "maintainer" line. Spring Annual. Genetic Material. Seed.
- PI 565295 **origin:** United States. **developed:** B. Kindiger. **origin institute:** Agricultural Research Service -- USDA, Southern Plains Range Res. Sta., Woodward, Oklahoma 73801 United States. **cultivar:** ig ig cms-S. **pedigree:** Modified inbred line 'W23' carries male sterile cytoplasm cms-S and is homozygous for ig. **other id:** GS-6. **source:** Crop Sci. 34(1):321 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Stock carries the S type cytoplasmic male sterile cytoplasm. Stock is also homozygous for the (ig) indeterminate gametophyte gene and carries the seed and seedling color allele R-nj in a homozygous condition. Since the line is male sterile, stock must be maintained by the "maintainer" line. Spring Annual. Genetic Material. Seed.
- PI 565296 **origin:** United States. **developed:** B. Kindiger. **origin institute:** Agricultural Research Service -- USDA, Southern Plains Range Res. Sta., Woodward, Oklahoma 73801 United States. **cultivar:** ig ig cms-SD. **pedigree:** Modified inbred line 'W23' carries male sterile cytoplasm cms-SD and is homozygous for ig. **other id:** GS-7. **source:** Crop Sci. 34(1):321 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Stock carries the SD type cytoplasmic male sterile cytoplasm. Stock is also homozygous for the (ig) indeterminate gametophyte gene and carries the seed and seedling color allele R-nj in a homozygous condition. Since the line is male sterile, stock must be maintained by the "maintainer" line. Spring Annual. Genetic Material. Seed.

- PI 565297 **origin:** United States. **developed:** B. Kindiger. **origin institute:** Agricultural Research Service -- USDA, Southern Plains Range Res. Sta., Woodward, Oklahoma 73801 United States. **cultivar:** ig ig cms-VG. **pedigree:** Modified inbred line 'W23' carries male sterile cytoplasm cms-Vg and is homozygous for ig. **other id:** GS-8. **source:** Crop Sci. 34(1):321 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Stock carries the Vg type cytoplasmic male sterile cytoplasm. Stock is also homozygous for the (ig) indeterminate gametophyte gene and carries the seed and seedling color allele R-nj in a homozygous condition. Since the line is male sterile, stock must be maintained by the "maintainer" line. Spring Annual. Genetic Material. Seed.
- PI 565298 **origin:** United States. **developed:** B. Kindiger. **origin institute:** Agricultural Research Service -- USDA, Southern Plains Range Res. Sta., Woodward, Oklahoma 73801 United States. **cultivar:** ig ig cms-ME. **pedigree:** Modified inbred line 'W23' carries male sterile cytoplasm cms-ME and is homozygous for ig. **other id:** GS-9. **source:** Crop Sci. 34(1):321 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Stock carries the ME type cytoplasmic male sterile cytoplasm. Stock is also homozygous for the (ig) indeterminate gametophyte gene and carries the seed and seedling color allele R-nj in a homozygous condition. Since the line is male sterile, stock must be maintained by the "maintainer" line. Spring Annual. Genetic Material. Seed.
- PI 565299 **origin:** United States. **developed:** B. Kindiger. **origin institute:** Agricultural Research Service -- USDA, Southern Plains Range Res. Sta., Woodward, Oklahoma 73801 United States. **cultivar:** ig ig cms-MY. **pedigree:** Modified inbred line 'W23' carries male sterile cytoplasm cms-MY and is homozygous for ig. **other id:** GS-10. **source:** Crop Sci. 34(1):321 1994. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Stock carries the MY type cytoplasmic male sterile cytoplasm. Stock is also homozygous for the (ig) indeterminate gametophyte gene and carries the seed and seedling color allele R-nj in a homozygous condition. Since the line is male sterile, stock must be maintained by the "maintainer" line. Spring Annual. Genetic Material. Seed.

PI 565300. *Scirpus californicus* (C. A. Meyer) Steud. CYPERACEAE  
California bulrush

**Donated by:** Owsley, C.M., USDA-SCS, Americus Plant Materials Center, 295 Morris Drive, Americus, Georgia 31709, United States. **remarks:** Received through National Plant Materials Center, USDA-SCS, B-509, BARC-East, Beltsville, MD 20705. Received February 18, 1993.

**donor id:** 9062617. **origin:** United States. **collector:** O. Bundy. **other id:** SCCA. **locality:** Isolated wetland near Hillsborough river floodplain, near I-4, near Brandon, Florida, 15 miles E of Tampa, Eastern Hillsborough Co., Florida. **remarks:** Selected from comparative evaluation of material in constructed wetland including *Typha latifolia*, *Scirpus validus*, *Zizaniopsis miliacea* and *Panicum hemitomon*. Propagated by direct increase of vegetative material. A coarse robust and gregarious bulrush from tight sub-rhizomatous knots. Usually from 9 feet tall in plantings. Stems stout, obtusely 3-angled. Leaves few, basil. 50-150 spikelets. Anticipated use constructed wetland systems of southeastern U.S. Perennial. Cultivated. Plant.

PI 565301. *Hemerocallis fulva* (L.) L. LILIACEAE Daylily

**Donated by:** Owsley, C.M., USDA-SCS, Americus Plant Materials Center, 295 Morris Drive, Americus, Georgia 31709, United States. **remarks:** Received through National Plant Materials Center, USDA-SCS, B-509, BARC-East, Beltsville, MD 20705. Received February 18, 1993.

**origin:** United States. **pedigree:** Selection from composite of 9019880/9019881. **other id:** HEFU. **remarks:** Selected by comparative evaluation from broad based collection in 1960's-1970's. Selected for attractive and vigorous blooms. Differs from most daylilies by displaying bright orange floral parts. Increased by direct vegetative propagation. Glabrous, herbaceous scapose, stoloniferous. Leaves linear, 3-6 decimeters long, 1.5cm wide, erect 5.5dm to 9dm tall, with 1-2 bracteal leaves near the summit, forked into 2 bracteate racemes. Pedicels 5-21mm long, flowers perfect, Perianth orange up to 10-12cm across, fruit fails to develop. Roadside and const. wetland beautification. Cultivated. Plant.

PI 565302. *Zizaniopsis miliacea* (Michx.) Doell & Aschers. POACEAE  
Giant cutgrass

**Donated by:** Owsley, C.M., USDA-SCS, Americus Plant Materials Center, 295 Morris Drive, Americus, Georgia 31709, United States. **remarks:** Received through National Plant Materials Center, USDA-SCS, B-509, BARC-East, Beltsville, MD 20705. Received February 18, 1993.

**donor id:** 9059138. **origin:** United States. **other id:** ZIMI. **locality:** Golden Meadow Louisiana Plant Materials Center. **remarks:** Coarse perennial grass with extensive creeping rhizomes. Stems stout and up to 9 ft. tall. Leaves elongated and mostly flat, up to 3 feet long and 2 inches wide. Selected from a comparative evaluation of wetland plants for constructed wetland use including *Typha latifolia*, *Panicum hemitomon*, *Scirpus californicus* and *Scirpus validus*. Propagation by direct vegetative increase. Anticipated conservation use constructed wetland systems of southeastern U.S. Perennial. Cultivated. Plant.

PI 565303 to 565333. *Triticum aestivum* L., nom. cons. POACEAE Wheat

**Donated by:** Stoyanov, D., Inst. Intro & Plant Genetic Res., "K. Malkov", Sadovo, Plovdiv, Bulgaria. Received October 01, 1991.

PI 565303 **origin:** Bulgaria. **cultivar:** PLISKA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 544. **other id:** MAC9192-102. Cultivar. Seed.

PI 565304 **origin:** Bulgaria. **cultivar:** POBEDA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 545. **other id:** MAC9192-104. Cultivar. Seed.

PI 565305 **origin:** Bulgaria. **cultivar:** SKITIA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 549. **other id:** MAC9192-112. Cultivar. Seed.

PI 565306 **origin:** Bulgaria. **cultivar:** ALTIMIR 67. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 551. **other id:** MAC9192-116. Cultivar. Seed.

PI 565307 **origin:** Bulgaria. **cultivar:** KALOJAN. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 554. **other id:** MAC9192-122. Cultivar. Seed.

PI 565308 **origin:** Bulgaria. **cultivar:** KARDAM. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 555. **other id:** MAC9192-124. Cultivar. Seed.

PI 565303 to 565333-continued

- PI 565309 **origin:** Bulgaria. **cultivar:** KITEN. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 556. **other id:** MAC9192-126. Cultivar. Seed.
- PI 565310 **origin:** Bulgaria. **origin institute id:** 301. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 557. **other id:** MAC9192-128. Cultivated. Seed.
- PI 565311 **origin:** Bulgaria. **cultivar:** TRAKYA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 558. **other id:** MAC9192-130. Cultivar. Seed.
- PI 565312 **origin:** Bulgaria. **cultivar:** JUBILEJNA 2. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 560. **other id:** MAC9192-134. Cultivar. Seed.
- PI 565313 **origin:** Bulgaria. **cultivar:** JUBILEJNA 3. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 561. **other id:** MAC9192-136. Cultivar. Seed.
- PI 565314 **origin:** Bulgaria. **origin institute id:** 14. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 563. **other id:** MAC9192-140. Cultivated. Seed.
- PI 565315 **origin:** Bulgaria. **cultivar:** KRAPETCH. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 569. **other id:** MAC9192-152. Cultivar. Seed.
- PI 565316 **origin:** Bulgaria. **cultivar:** KUBRAT. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 570. **other id:** MAC9192-154. Cultivar. Seed.
- PI 565317 **origin:** Bulgaria. **cultivar:** LUDOGORKA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 571. **other id:** MAC9192-156. Cultivar. Seed.
- PI 565318 **origin:** Bulgaria. **cultivar:** MOMTCHIL. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 572. **other id:** MAC9192-158. Cultivar. Seed.

PI 565303 to 565333-continued

- PI 565319 **origin:** Bulgaria. **cultivar:** TANGRA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 575. **other id:** MAC9192-164. Cultivar. Seed.
- PI 565320 **origin:** Bulgaria. **cultivar:** ASENOVKA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 576. **other id:** MAC9192-166. Cultivar. Seed.
- PI 565321 **origin:** Bulgaria. **cultivar:** AHELOI. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 577. **other id:** MAC9192-168. Cultivar. Seed.
- PI 565322 **origin:** Bulgaria. **cultivar:** TCHARODEIKA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 581. **other id:** MAC9192-176. Cultivar. Seed.
- PI 565323 **origin:** Bulgaria. **cultivar:** TOSHEVKA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 582. **other id:** MAC9192-178. Cultivar. Seed.
- PI 565324 **origin:** Bulgaria. **cultivar:** YUBILEI. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 586. **other id:** MAC9192-186. Cultivar. Seed.
- PI 565325 **origin:** Bulgaria. **cultivar:** KREMENA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 587. **other id:** MAC9192-188. Cultivar. Seed.
- PI 565326 **origin:** Bulgaria. **cultivar:** LEVENT. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 588. **other id:** MAC9192-190. Cultivar. Seed.
- PI 565327 **origin:** Bulgaria. **cultivar:** YANTAR. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 591. **other id:** MAC9192-196. Cultivar. Seed.
- PI 565328 **origin:** Bulgaria. **cultivar:** STOZHER. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 592. **other id:** MAC9192-198. Cultivar. Seed.



PI 565303 to 565333-continued

- PI 565329 **origin:** Bulgaria. **cultivar:** YANA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 593. **other id:** MAC9192-200. Cultivar. Seed.
- PI 565330 **origin:** Bulgaria. **cultivar:** PLAMAK. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 594. **other id:** MAC9192-202. Cultivar. Seed.
- PI 565331 **origin:** Bulgaria. **cultivar:** VEZHEN. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 595. **other id:** MAC9192-204. Cultivar. Seed.
- PI 565332 **origin:** Bulgaria. **cultivar:** EVMOLPIA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 596. **other id:** MAC9192-206. Cultivar. Seed.
- PI 565333 **origin:** Bulgaria. **cultivar:** VIDA. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 597. **other id:** MAC9192-208. Cultivar. Seed.

PI 565334. *Triticum durum* Desf. POACEAE Durum wheat

**Donated by:** Stoyanov, D., Inst. Intro & Plant Genetic Res., "K. Malkov", Sadovo, Plovdiv, Bulgaria. Received October 01, 1991.

**origin:** Bulgaria. **cultivar:** TCHIRPAN 22-70. **collector:** Inst. of Introduction & Plant Genetic Resources "K. Malkov", Sadovo. **collector id:** ISN 598. **other id:** MAC9192-336. Cultivar. Seed.

PI 565335 to 565430. *Triticum aestivum* L., nom. cons. POACEAE Wheat

**Donated by:** N. I. Vavilov Inst. of Plant Ind., 44 Herzen St., St. Petersburg, Russian Federation. Received October 17, 1991.

PI 565335 **origin:** Russian Federation. **source history:** Developed in the Kuibyshev Region.. **cultivar:** STREMNINA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58321. **other id:** MAC9192-270. Cultivar. Seed.

PI 565336 **origin:** Uzbekistan. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 1420. **other id:** MAC9192-688. Landrace. Seed.

PI 565335 to 565430-continued

- PI 565337 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** KANSAS MORTGAGE LIFTER. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 3331. **other id:** MAC9192-82. **remarks:** Apparently synonymous with Fulcaster wheat. Cultivar. Seed.
- PI 565338 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** RELIABLE. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 5226. **other id:** MAC9192-58. Cultivar. Seed.
- PI 565339 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** PADUI. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 5248. **other id:** MAC9192-34. Cultivated. Seed.
- PI 565340 **origin:** Russian Federation. **developed:** B.C. Buffum. **cultivar:** BUFFUM NO. 17. **pedigree:** selection from field of Turkey. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 5807. **other id:** MAC9192-20. Cultivar. Seed.
- PI 565341 **origin:** Russian Federation. **developed:** J. Rysting. **cultivar:** RYSTING. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 5989. **other id:** MAC9192-88. Cultivar. Seed.
- PI 565342 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** ALBERTA RED. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 6100. **other id:** MAC9192-36. **remarks:** A strain of Turkey. Cultivar. Seed.
- PI 565343 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** TURKEY RED. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 6176. **other id:** MAC9192-42. Cultivar. Seed.
- PI 565344 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** NORTHERN 1. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 6186. **other id:** MAC9192-92. Cultivated. Seed.

PI 565335 to 565430-continued

- PI 565345 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** NORTHERN 2. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 6187. **other id:** MAC9192-94. Cultivated. Seed.
- PI 565346 **origin:** Russian Federation. **origin institute id:** 2W-74. **source history:** Originally obtained from the U.S.. **cultivar:** VELVET CHAFF. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 6322. **other id:** MAC9192-22. Cultivated. Seed.
- PI 565347 **origin:** Russian Federation. **origin institute id:** W-156. **source history:** Originally obtained from the U.S.. **cultivar:** MIRACLE. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 6335. **other id:** MAC9192-52. Cultivated. Seed.
- PI 565348 **origin:** Russian Federation. **origin institute id:** W-132. **source history:** Originally obtained from the U.S.. **cultivar:** MIRACLE. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 6342. **other id:** MAC9192-90. Cultivated. Seed.
- PI 565349 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** HARVEST KING. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 6358. **other id:** MAC9192-28. Cultivar. Seed.
- PI 565350 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** MICHIGAN. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 6520. **other id:** MAC9192-46. Cultivated. Seed.
- PI 565351 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** NEBRASKA NO. 30. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 6567. **other id:** MAC9192-30. Cultivated. Seed.
- PI 565352 **origin:** Ukraine. **local name:** KRYMKA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 9457. **other id:** MAC9192-686. **locality:** Crimean Region. Landrace. Seed.
- PI 565353 **origin:** Uzbekistan. **local name:** BUHARA BUGDAJ. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 13568. **other id:** MAC9192-672. Landrace. Seed.

PI 565335 to 565430-continued

- PI 565354 **origin:** Uzbekistan. **local name:** TOKMAK BAS. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 13570. **other id:** MAC9192-670. Landrace. Seed.
- PI 565355 **origin:** Uzbekistan. **local name:** BUHARA BUGDA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 13595. **other id:** MAC9192-668. Landrace. Seed.
- PI 565356 **origin:** Azerbaijan. **local name:** KUSARY. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 15119. **other id:** MAC9192-694. Landrace. Seed.
- PI 565357 **origin:** Azerbaijan. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 18641. **other id:** MAC9192-698. **locality:** Nakhichevan ASSR. Landrace. Seed.
- PI 565358 **origin:** Uzbekistan. **local name:** TEREMAN BUGDAJ. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 19411. **other id:** MAC9192-666. Landrace. Seed.
- PI 565359 **origin:** Russian Federation. **origin institute:** Lynn Brothers, Paso Robles, California United States. **cultivar:** LYNN. **pedigree:** selection from Defiance or Surprise. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22021. **other id:** MAC9192-98. Cultivar. Seed.
- PI 565360 **origin:** Russian Federation. **developed:** H.S. Bunnell. **cultivar:** MARTIN AMBER. **pedigree:** selection from field of Clawson. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22022. **other id:** MAC9192-24. Cultivar. Seed.
- PI 565361 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** PROHIBITION. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22027. **other id:** MAC9192-18. Cultivar. Seed.
- PI 565362 **origin:** Russian Federation. **developed:** A.N. Jones. **cultivar:** ARCADIAN. **pedigree:** Early Genesee Giant/Early Red Clawson. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22038. **other id:** MAC9192-74. Cultivar. Seed.

PI 565335 to 565430-continued

- PI 565363 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** PESTERBODEN. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22067. **other id:** MAC9192-60. Cultivar. Seed.
- PI 565364 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** BIG FRAME. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22110. **other id:** MAC9192-26. Cultivar. Seed.
- PI 565365 **origin:** Russian Federation. **developed:** D.L. Wellman. **cultivar:** WELLMAN. **pedigree:** selection from Red Fife. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22140. **other id:** MAC9192-72. Cultivar. Seed.
- PI 565366 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** WYANDOTTE. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22142. **other id:** MAC9192-56. Cultivar. Seed.
- PI 565367 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** HOMER. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22148. **other id:** MAC9192-14. Cultivar. Seed.
- PI 565368 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** PETERSON. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22151. **other id:** MAC9192-50. Cultivar. Seed.
- PI 565369 **origin:** Russian Federation. **developed:** A.N. Jones. **cultivar:** RED CLAWSON. **pedigree:** Clawson/Golden Cross. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22154. **other id:** MAC9192-40. Cultivar. Seed.
- PI 565370 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** WINTER CHIEF. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22168. **other id:** MAC9192-44. Cultivar. Seed.

PI 565335 to 565430-continued

- PI 565371 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** BEARDED WINTER. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22169. **other id:** MAC9192-64. Cultivated. Seed.
- PI 565372 **origin:** Russian Federation. **developed:** H.A. Miller. **origin institute:** USDA-ARS/Maryland Agric. Exp. Station, College Park, Maryland United States. **cultivar:** VIRGINIA. **pedigree:** CI 1344/Jones Fife. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22172. **other id:** MAC9192-80. Cultivar. Seed.
- PI 565373 **origin:** Russian Federation. **origin institute:** North Dakota Agric. Exp. Station, Fargo, North Dakota United States. **cultivar:** DAKOTA. **pedigree:** selection from Haynes Bluestem. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22175. **other id:** MAC9192-96. Cultivar. Seed.
- PI 565374 **origin:** Russian Federation. **developed:** M.A. Mealy. **cultivar:** MEALY. **pedigree:** selection from field of Fultz. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22177. **other id:** MAC9192-68. Cultivar. Seed.
- PI 565375 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** WINTER ALASKA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22213. **other id:** MAC9192-70. Cultivar. Seed.
- PI 565376 **origin:** Russian Federation. **cultivar:** KRYMKA KERCENSKAJA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 23124. **other id:** MAC9192-684. Cultivar. Seed.
- PI 565377 **origin:** Russian Federation. **cultivar:** KRYMKA KADAGAJSKAJA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 23129. **other id:** MAC9192-730. Cultivar. Seed.
- PI 565378 **origin:** Russian Federation. **cultivar:** KRYMKA ISUN'SKAJA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 23132. **other id:** MAC9192-728. Cultivar. Seed.

PI 565335 to 565430-continued

- PI 565379 **origin:** Russian Federation. **local name:** SARY BUGDA GIUL'GARI. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 23900. **other id:** MAC9192-712. **locality:** Daghestan ASSR. Landrace. Seed.
- PI 565380 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** ARKANSAS R-9. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 26290. **other id:** MAC9192-86. Cultivated. Seed.
- PI 565381 **origin:** Uzbekistan. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 26382. **other id:** MAC9192-664. Landrace. Seed.
- PI 565382 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** MINARD. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 26724. **other id:** MAC9192-16. Cultivated. Seed.
- PI 565383 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** SUPERHARD. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 33094. **other id:** MAC9192-54. Cultivated. Seed.
- PI 565384 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** WEISSENBURG. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 34045. **other id:** MAC9192-12. Cultivar. Seed.
- PI 565385 **origin:** Kyrgyzstan. **local name:** KUZGIU BUGDAJ. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 35422. **other id:** MAC9192-676. Landrace. Seed.
- PI 565386 **origin:** Turkmenistan. **local name:** GUZLYK. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 35570. **other id:** MAC9192-680. Landrace. Seed.
- PI 565387 **origin:** Uzbekistan. **local name:** KUZLIUK KIZYL KYLTYRIK. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 35616. **other id:** MAC9192-682. Landrace. Seed.

PI 565335 to 565430-continued

- PI 565388 **origin:** Russian Federation. **cultivar:** NOVOKRYMKA 1-90.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 35700. **other id:** MAC9192-726. Cultivar. Seed.
- PI 565389 **origin:** Georgia. **cultivar:** HULUGO. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg.  
**collector id:** WIR 35816. **other id:** MAC9192-704. Cultivated. Seed.
- PI 565390 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** ARKANSAS NO. 105.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 35846. **other id:** MAC9192-78. Cultivated. Seed.
- PI 565391 **origin:** Russian Federation. **cultivar:** KRYMSKAJA VIII-5.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 38556. **other id:** MAC9192-724. Cultivar. Seed.
- PI 565392 **origin:** Russian Federation. **source history:** Developed in the North Ossetian ASSR.. **cultivar:** OSETINSKAJA 4.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 40232. **other id:** MAC9192-716. Cultivar. Seed.
- PI 565393 **origin:** Russian Federation. **cultivar:** HAZO MESTNAJA.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 40611. **other id:** MAC9192-702. Cultivar. Seed.
- PI 565394 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** MICHIGAN BRONZE.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 40832. **other id:** MAC9192-76. **remarks:** Apparently synonymous with Diehl-Mediterranean wheat. Cultivar. Seed.
- PI 565395 **origin:** Russian Federation. **local name:** TAU BUGDA.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 41161. **other id:** MAC9192-710. **locality:** Daghestan ASSR. Landrace. Seed.
- PI 565396 **origin:** Russian Federation. **source history:** Developed in the Nakhichevan ASSR.. **cultivar:** GULISAR. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg.  
**collector id:** WIR 43869. **other id:** MAC9192-696. Cultivar. Seed.



PI 565335 to 565430-continued

- PI 565397 **origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** EARLY TRIUMPH. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 46972. **other id:** MAC9192-48. Cultivated. Seed.
- PI 565398 **origin:** Russian Federation. **source history:** Developed in the Tambov Region.. **cultivar:** TAMBOVICA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 51737. **other id:** MAC9192-230. Cultivar. Seed.
- PI 565399 **origin:** Russian Federation. **cultivar:** LUTESCENS 74-1943. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 52210. **other id:** MAC9192-214. Breeding Material. Seed.
- PI 565400 **origin:** Russian Federation. **cultivar:** LUTESCENS 75-450. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 52237. **other id:** MAC9192-226. Breeding Material. Seed.
- PI 565401 **origin:** Russian Federation. **cultivar:** KRASNOGVARDEJSKAJA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 55174. **other id:** MAC9192-720. Cultivar. Seed.
- PI 565402 **origin:** Russian Federation. **source history:** Developed in the North Ossetian ASSR.. **cultivar:** GORSKAJA 29. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 55180. **other id:** MAC9192-714. Cultivar. Seed.
- PI 565403 **origin:** Russian Federation. **cultivar:** KRMSKAJA 4. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 55187. **other id:** MAC9192-718. Cultivar. Seed.
- PI 565404 **origin:** Russian Federation. **cultivar:** TADZYKSKAJA 13. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 56161. **other id:** MAC9192-674. Cultivar. Seed.
- PI 565405 **origin:** Russian Federation. **cultivar:** LUTESCENS 08964-15. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 56417. **other id:** MAC9192-212. Breeding Material. Seed.
- PI 565406 **origin:** Russian Federation. **cultivar:** ERITOSPERMUM 08922-6. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 56419. **other id:** MAC9192-224. Breeding Material. Seed.

PI 565335 to 565430-continued

- PI 565407 **origin:** Russian Federation. **cultivar:** HAR'KOVSKAJA II.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 56850. **other id:** MAC9192-264. Cultivar. Seed.
- PI 565408 **origin:** Russian Federation. **source history:** Developed in the Rostov Region.. **cultivar:** SEVERODONSKAJA 2.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 57551. **other id:** MAC9192-240. Cultivar. Seed.
- PI 565409 **origin:** Russian Federation. **source history:** Developed in the Rostov Region.. **cultivar:** TARASOVSKAJA 61.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 57572. **other id:** MAC9192-256. Cultivar. Seed.
- PI 565410 **origin:** Russian Federation. **cultivar:** VOLGOGRADSKAJA 84.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 57653. **other id:** MAC9192-260. Cultivar. Seed.
- PI 565411 **origin:** Russian Federation. **cultivar:** HRISTINOVSKAJA.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 57663. **other id:** MAC9192-272. Cultivar. Seed.
- PI 565412 **origin:** Russian Federation. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 57682. **other id:** MAC9192-690. **locality:** GIJMATLY 80. Cultivar. Seed.
- PI 565413 **origin:** Russian Federation. **cultivar:** HERSONSKAJA 95.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 57690. **other id:** MAC9192-238. Cultivar. Seed.
- PI 565414 **origin:** Russian Federation. **origin institute id:** 76C19.  
**cultivar:** LINIJA 1063. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 57753. **other id:** MAC9192-210. Breeding Material. Seed.
- PI 565415 **origin:** Russian Federation. **source history:** Developed in the Voronezh Region.. **cultivar:** CERNOZEMKA 212.  
**collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 57983. **other id:** MAC9192-244. Cultivar. Seed.

PI 565335 to 565430-continued

- PI 565416 **origin:** Russian Federation. **source history:** Developed in the Daghestan ASSR.. **cultivar:** DERBENTSKAJA IUBILE'NAJA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58129. **other id:** MAC9192-708. Cultivar. Seed.
- PI 565417 **origin:** Russian Federation. **origin institute:** All-Union Breeding & Genetic Inst., Odessa Ukraine. **cultivar:** JAKOR' ODESSKIJ. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58517. **other id:** MAC9192-236. Cultivar. Seed.
- PI 565418 **origin:** Russian Federation. **origin institute:** All-Union Breeding & Genetic Inst., Odessa Ukraine. **cultivar:** AL'BATROS ODESSKIJ. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58519. **other id:** MAC9192-262. Cultivar. Seed.
- PI 565419 **origin:** Russian Federation. **cultivar:** ZOLOTAJA NIVA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58521. **other id:** MAC9192-252. Cultivar. Seed.
- PI 565420 **origin:** Russian Federation. **cultivar:** IVANOVSKAJA 60. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58528. **other id:** MAC9192-258. Cultivar. Seed.
- PI 565421 **origin:** Russian Federation. **cultivar:** BAGRATIONI. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58535. **other id:** MAC9192-700. Cultivar. Seed.
- PI 565422 **origin:** Russian Federation. **source history:** Developed in the Novosibirsk Region.. **cultivar:** LINIJA 125. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58651. **other id:** MAC9192-222. Cultivar. Seed.
- PI 565423 **origin:** Russian Federation. **source history:** Developed in the Kuibyshev Region.. **cultivar:** SUVENIR. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58749. **other id:** MAC9192-216. Cultivar. Seed.
- PI 565424 **origin:** Russian Federation. **source history:** Developed in the Kuibyshev Region.. **cultivar:** ERYTHROSPERMUM 18. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58795. **other id:** MAC9192-246. Cultivar. Seed.

PI 565335 to 565430-continued

- PI 565425 **origin:** Russian Federation. **source history:** Developed in the Kuibyshev Region.. **cultivar:** LUTESCENS 211-B-132-22. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58799. **other id:** MAC9192-228. Breeding Material. Seed.
- PI 565426 **origin:** Russian Federation. **source history:** Developed in the Voronezh Region.. **cultivar:** LUTESCENS 311. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58829. **other id:** MAC9192-232. Cultivar. Seed.
- PI 565427 **origin:** Russian Federation. **source history:** Developed in the Voronezh Region.. **cultivar:** LUTESCENS 321. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58830. **other id:** MAC9192-254. Cultivar. Seed.
- PI 565428 **origin:** Russian Federation. **source history:** Developed in the Rostov Region.. **cultivar:** ZERNOGRADKA 31. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58857. **other id:** MAC9192-220. Cultivar. Seed.
- PI 565429 **origin:** Russian Federation. **cultivar:** TEDZENSKAJA 60. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 58861. **other id:** MAC9192-678. Cultivar. Seed.
- PI 565430 **origin:** Russian Federation. **cultivar:** DNEPROVSKAJA 710. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 59260. **other id:** MAC9192-268. Cultivar. Seed.

PI 565431. *Triticum compactum* Host POACEAE Club wheat

**Donated by:** N. I. Vavilov Inst. of Plant Ind., 44 Herzen St., St. Petersburg, Russian Federation. Received October 17, 1991.

**origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** CLUB. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 6377. **other id:** MAC9192-330. Cultivated. Seed.

PI 565432. *Triticum turgidum* L. POACEAE

**Donated by:** N. I. Vavilov Inst. of Plant Ind., 44 Herzen St., St. Petersburg, Russian Federation. Received October 17, 1991.

PI 565432-continued

**origin:** Russian Federation. **source history:** Originally obtained from the U.S.. **cultivar:** ARIZONA. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 57173. **other id:** MAC9192-100. Cultivated. Seed.

PI 565433. *Arachis hypogaea* L. FABACEAE Peanut

**Donated by:** Florida Agr. Exp. Sta., University of Florida, Department of Agronomy, Gainesville, Florida 32611, United States. Received February 16, 1993.

**origin:** United States. **developed:** A.J. Norden, D.W. Gorbet, D.A. Knauft. **origin institute:** Florida Agr. Exp. Sta., University of Florida, Department of Agronomy, Gainesville, Florida 32611 United States. **cultivar:** SUNRUNNER. **pedigree:** UF439-16-10-1-1 (component line of Florunner)/ UF393-7-1 (experimental Virginia-type). **other id:** CV-29. **source:** Crop Sci. 25(6):1126 1985. **group:** CSR-PEANUT. **remarks:** Similar to Florunner in maturity, disease and insect resistance, growth habit, leaf color, leaf size, and other physical characteristics. Pods and seed slightly larger than Florunner. High shelling percentage (80%) and low percent seed damage (0.3% visible and 0.2% concealed). Superior to Florunner for shelling efficiency in the first stage sheller (72 vs. 62%) outturn of premium seed, and in seed shape uniformity. Cultivar. Seed.

PI 565434 to 565437. *Arachis hypogaea* L. FABACEAE Peanut

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607, United States. Received February 16, 1993.

PI 565434 **origin:** United States. **developed:** W.V. Campbell, D.A. Emery, J.C. Wynne. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC 10247. **pedigree:** Late-generation selection from cross F7 #13/Recurved. **other id:** GP-5. **source:** Crop Sci. 15(5):738 1975. **group:** CSR-PEANUT. **remarks:** Resistant to potato leafhopper. Virginia-type. Leaves recurved with bunch growth habit. Testa tan colored. Graded as Virginia market-type but is not suitable for production. Averages 77g/100 seed. Breeding Material. Seed.

PI 565434 to 565437-continued

PI 565435 **origin:** United States. **developed:** W.V. Campbell, D.A. Emery, J.C. Wynne. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC 10272. **pedigree:** Late-generation selection from NC Ac 4508/Recurved. **other id:** GP-6. **source:** Crop Sci. 15(5):738 1975. **group:** CSR-PEANUT. **remarks:** Resistant to potato leafhopper. Virginia-type. Leaves recurved with bunch growth habit. Testa color mixture of tan and red. Graded commercially as Runner-type. Averages 52g/100 seed. Breeding Material. Seed.

PI 565436 **origin:** United States. **developed:** W.V. Campbell, D.A. Emery, J.C. Wynne. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC 15729. **pedigree:** Late-generation selection from reirradiated progeny of C12/A18. **other id:** GP-7. **source:** Crop Sci. 15(5):738 1975. **group:** CSR-PEANUT. **remarks:** Resistant to potato leafhopper. Virginia-type. Leaves normal and bunch growth habit. Testa tan colored. Graded commercially as Runner-type. Averages 52g/100 seeds. Breeding Material. Seed.

PI 565437 **origin:** United States. **developed:** W.V. Campbell, D.A. Emery, J.C. Wynne. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC 15745. **pedigree:** Late-generation selection from reirradiated progeny of C12/A18. **other id:** GP-8. **source:** Crop Sci. 15(5):738 1975. **group:** CSR-PEANUT. **remarks:** Resistant to potato leafhopper. Virginia-type. Leaves normal with runner growth habits. Graded commercially as Runner-type. Averages 52g/100 seed. Breeding Material. Seed.

PI 565438 to 565440. *Arachis hypogaea* L. FABACEAE

**Donated by:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794, United States; and Georgia Agr. Exp. Sta.. Received 1961.

PI 565438 to 565440-continued

PI 565438 **origin:** United States. **developed:** R.O. Hammons. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Station, Tifton, Georgia 31794 United States. **cultivar:** VIRGINIA BUNCH 67. **pedigree:** Selection from stock obtained in 1941 from a Bulloch County sheller. **other id:** CV-8. **source:** Crop Sci. 10(4):460 1970. **group:** CSR-PEANUT. **remarks:** Maturity medium (avg. 130-135 days). Seedcoat color pink. Pod medium large, cylindrical, blunt ends, slight constriction between seeds. Seeds oblong, shorter and thicker than most Virginia types. Plants tall, fairly erect. Virginia botanical type which does not meet present market standards for Virginias, but is classed as a runner market type in commercial trade. Cultivar. Seed.

PI 565439 **origin:** United States. **developed:** R.O. Hammons. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794 United States. **cultivar:** SOUTHEASTERN RUNNER 56-15. **pedigree:** Pure line selection from stock of Southeastern Runner. **other id:** CV-9. **source:** Crop Sci. 10(6):727 1970. **group:** CSR-PEANUT. **remarks:** Maturity late (avg. 150 days). Seedcoat color pink. Pod medium size, two-segmented, blunt at basal end, tapering toward apical end. Seeds flattened at adjacent ends, chunky. Highest yielding runner-type in its maturity group. Exhibits more resistance to damage in the field by the fall armyworm than any other commercial variety developed in U.S. breeding programs. Field tolerance to other insect species. Cultivar. Seed.

PI 565440 **origin:** United States. **developed:** R.O. Hammons. **origin institute:** Agricultural Research -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794 United States. **cultivar:** GEORGIA 119-20. **pedigree:** Southeastern Runner/Dixie Giant. **other id:** CV-12. **source:** Crop Sci. 11(2):313 1971. **group:** CSR-PEANUT. **remarks:** Maturity medium (avg. 135-140 days). Seedcoat color pink. Pod size large, rounded at both ends, more or less constricted, two-segmented. Seed oblong, plump, relatively uniform, few flattened. Large-seeded Virginia type with bunch growth habit. Plants vigorous and densely branched. Cultivar. Seed.

PI 565441. *Arachis hypogaea* L. FABACEAE

**Donated by:** Virginia Agr. Exp. Sta., Tidewater Res. Sta., Holland, Virginia 23391, United States. Received 1961.

**origin:** United States. **cultivar:** VIRGINIA 56R.  
**pedigree:** Selection from several hundred plants selected from farmers' field throughout the peanut producing area Virginia. **other id:** CV-10. **source:** Crop Sci. 10(6):727 1970. **group:** CSR-PEANUT. **remarks:** Virginia type branching pattern and runner habit of growth. Plants very vigorous, often completely cover space between 91cm rows. Pods uniform in shape, long and moderately thick, slightly constricted between seeds. Pods usually two-seeded. Shells moderately thin but strong enough to withstand mechanical handling. Seeds uniform in size and shape. Testa flesh colored. Cultivar. Seed.

PI 565442 to 565443. *Arachis hypogaea* L. FABACEAE

**Donated by:** Texas Agr. Exp. Sta., Texas A&M University, Stephenville, Texas 76401, United States. Received 1962.

PI 565442 **origin:** United States. **developed:** C.E. Simpson. **origin institute:** Texas Agr. Exp. Sta., Texas A&M University, Stephenville, Texas 76401 United States. **source history:** Selection made at the Plant Disease Lab., Texas Agr. Exp. Sta. (TAES), Stockdale, TX, in 1939 or 1940.. **cultivar:** SPANTEX. **other id:** CV-15. **source:** Crop Sci. 12(3):395 1972. **group:** CSR-PEANUT. **remarks:** Spanish peanut with flesh colored testa, small seed (3,030/kg) & pods, distinctive pod reticulations, two seed per pod, no appreciable seed dormancy, upright growth habit and flowering on the main stem. Shells relatively thin which generally results in a high turn-out of kernels. Pod constriction moderate. Maturity 115-125 days. No known resistance to any disease or insect pests commonly known to attack peanuts. Cultivar. Seed.

PI 565443 **origin:** United States. **developed:** C.E. Simpson. **origin institute:** Texas Agr. Exp. Sta., Texas A&M University, Stephenville, Texas 76401 United States. **cultivar:** STARR. **pedigree:** Spantex/PI 161317. **other id:** CV-16. **source:** Crop Sci. 12(3):395 1972. **group:** CSR-PEANUT. **remarks:** Spanish type with flesh colored testa, medium sized seed (2,680/kg) & pods & no appreciable seed dormancy. Generally has two seeds per pod with a large percentage of pods produced at base of plants. Peg attachments to pods somewhat weaker than other varieties. Pod constriction moderate. Upright growth habit. All plants flower on main stems. Maturity range 115-130 days. No resistance to common peanut diseases and insect pests. Cultivar. Seed.



PI 565444. *Arachis hypogaea* L. FABACEAE

**Donated by:** Agricultural Research Service -- USDA, Tidewater Res. Sta., Holland, Virginia 23391, United States. Received 1963.

**origin:** United States. **developed:** M.W. Alexander, A.H. Allison. **origin institute:** Agricultural Research Service -- USDA, Tidewater Res. Sta., Holland, Virginia 23391 United States. **cultivar:** VIRGINIA 61R. **pedigree:** Selection from several hundred plants selected from farmers' fields throughout the peanut growing area of Virginia. **other id:** CV-11. **source:** Crop Sci. 10(6):728 1970. **group:** CSR-PEANUT. **remarks:** Virginia type runner. Pods long with definite constriction between seeds, typically two seeded. Kernels pink to flesh colored, long cylindrical, slightly pointed. Plant growth habit prostrate with distinguishing characteristic of a very upright orientation of the main stem during the entire growth period. Cultivar. Seed.

PI 565445. *Arachis hypogaea* L. FABACEAE

**Donated by:** Florida Agr. Exp. Sta., University of Florida, Gainesville, Florida 32601, United States. Received 1963.

**origin:** United States. **developed:** W.A. Carver. **origin institute:** Florida Agr. Exp. Sta., University of Florida, Gainesville, Florida 32601 United States. **cultivar:** FLORIGIANT. **pedigree:** Includes small white Spanish, North Carolina runner and Virginia types. Closely related to Early Runner, as both parents were derived from sister lines of this variety. **other id:** CV-1. **source:** Crop Sci. 9(6):849 1969. **group:** CSR-PEANUT. **remarks:** Virginia type closely related to Early runner. Pods larger, uniform, straight, cylindrical. Seed elongated and round in cross section. Growth habit spreading, small. Prolific fruiting habit, producing up to 4 pegs per node usually on the first few nodes nearest the main stem. Cultivar. Seed.

PI 565446. *Arachis hypogaea* L. FABACEAE

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607, United States. Received 1963.

PI 565446-continued

**origin:** United States. **developed:** W.C. Gregory. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC2. **pedigree:** Ga 207-2 (Basse/Spanish 18-38)/Whites Runner. **other id:** CV-5. **source:** Crop Sci. 10(4):459 1970. **group:** CSR-PEANUT. **remarks:** Maturity approx. 150 days. Lax bunch-type in growth habit. Market quality above average. Flavor rated higher than other commercial varieties of Virginia type peanuts. Excellent shelling percentages, wide adaptability and tolerance to stem rot disease. Cultivar. Seed.

PI 565447. *Arachis hypogaea* L. FABACEAE

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607, United States. Received 1965.

**origin:** United States. **developed:** D.A. Emery, W.C. Gregory. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC5. **pedigree:** NC1 (NC4/Improved Spanish 2-B)/ C12 (PI 121067/NC Bunch). **other id:** CV-6. **source:** Crop Sci. 10(4):460 1970. **group:** CSR-PEANUT. **remarks:** More runner than bunch type. Pods are elongate. Kernels light pink in color, elliptical shaped, very smooth. Complements Florigiant in the North Carolina-Virginia peanut belt because of its maturity (approx. 160 days). Generally attractive but tends to become detached in the harvesting operation because of weak peg-pod attachment. Testa light pink in color, elongate in shape and smooth in appearance. Cultivar. Seed.

PI 565448. *Arachis hypogaea* L. FABACEAE

**Donated by:** Florida Agr. Exp. Sta., University of Florida, Gainesville, Florida 32601, United States. Received 1969.

**origin:** United States. **developed:** A.J. Norden, R.W. Lipscomb, W.A. Carver. **origin institute:** Florida Agr. Exp. Sta., University of Florida, Gainesville, Florida 32601 United States. **cultivar:** FLORUNNER. **pedigree:** Early Runner/Florispán. **other id:** CV-2. **source:** Crop Sci. 9(6):850 1969. **group:** CSR-PEANUT. **remarks:** Superior to Early Runner in sound mature seed, in flavor, quality and in yield. Plant growth habit prostrate with typical branching pattern. Prolific fruiting habit of Early Runner but pods are concentrated nearer the central branch or tap root and foliage slightly less dense. Seeds mature in approx. 134 days after planting. Pods uniform, larger and thicker than Early Runner. Seed weight approx. 10% greater. Cultivar. Seed.

PI 565449 to 565450. *Arachis hypogaea* L. FABACEAE

**Donated by:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794, United States. Received 1970.

PI 565449 **origin:** United States. **developed:** R.O. Hammons. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 76401 United States. **cultivar:** SPANCROSS. **pedigree:** Interspecific cross between sel. from PI 121070 (Argentina) and the wild annual, decumbent species *Arachis monticola*. **other id:** CV-3. **source:** Crop Sci. 10(4):459 1970. **group:** CSR-PEANUT. **remarks:** Typical Spanish pods and seed. Maturity 120 days. Pod shape intermediate between Starr & Argentine. Seed approx. same size as Argentina. First peanut variety in the world to be derived from an interspecific hybridization program. Plants fully fertile:  $2n = 40$ . Some resistance to damage from leaf-chewing insects. Suitable for modified or multi-row planting patterns and adapted to mechanical harvesting. Cultivar. Seed.

PI 565450 **origin:** United States. **developed:** R.O. Hammons. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 76401 United States. **cultivar:** TIFSPAN. **pedigree:** Pure line selection from the intervarietal cross Argentine/Spanish 18-38. **other id:** CV-4. **source:** Crop Sci. 10(4):459 1970. **group:** CSR-PEANUT. **remarks:** High yielding Spanish type. Bunch growth habit. Seed medium size. Maturity 120 days. Pods slightly longer than Argentine & Starr. Adapted for mechanical harvesting. Has produced well under both natural rainfall and irrigated conditions. Cultivar. Seed.

PI 565451. *Arachis hypogaea* L. FABACEAE

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607, United States. Received 1971.

**origin:** United States. **developed:** D.A. Emery. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC17. **pedigree:** Florispan derivative (F334A-3-5-5-1)/Jenkins Jumbo. **other id:** CV-7. **source:** Crop Sci. 10(4):460 1970. **group:** CSR-PEANUT. **remarks:** Early maturing, high yielding, bunch type. Unusually high shelling percentages (72 to 75%) and average to above-average proportions of extra large kernels (40 to 45%). Strict bunch habit causes the fruit to be produced in a narrow area in the center of the row. High fruit/foilage ratio also improves harvesting and curing operations. Earliest maturing commercial variety of Virginia type peanuts (approx. 140 days in North Carolina). Cultivar. Seed.

PI 565452. *Arachis hypogaea* L. FABACEAE

**Donated by:** New Mexico Agr. Exp. Sta., New Mexico State University, Plains Branch Sta., Clovis, New Mexico 88101, United States. Received 1971.

**origin:** United States. **developed:** D.C.H. Hsi, R.E. Finkner. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Plains Branch Sta., Clovis, New Mexico 88101 United States. **cultivar:** NEW MEXICO VALENCIA A. **pedigree:** Selection from New Mexico Valencia. **other id:** CV-14. **source:** Crop Sci. 12(2):256 1972. **group:** CSR-PEANUT. **remarks:** Valencia bunch type. Similar to the New Mexico Valencia variety. Averaged 709kg/ha, 19% more than the local check cultivar in 3 year progeny testing. Also produced a higher proportion of three-kernel pods and significantly more four-kernel pods than the local check cv. Marketed almost exclusively for sale as roasted peanuts in the hull. Cultivar. Seed.

PI 565453. *Arachis hypogaea* L. FABACEAE

**Donated by:** Florida Agr. Exp. Sta., University of Florida, Gainesville, Florida 32611, United States. Received 1972.

PI 565453-continued

**origin:** United States. **developed:** A.J. Norden, D.W. Gorbet. **origin institute:** Florida Agr. Exp. Sta., University of Florida, Gainesville, Florida 32611 United States. **cultivar:** ALTIKA. **pedigree:** F393-7-1/Georgia 119-20. **other id:** CV-18. **source:** Crop Sci. 14(2):339 1974. **group:** CSR-PEANUT. **remarks:** Virginia bunch type. Maturity 1 day to 2 weeks earlier than Florigiant (in Guyana tests). Bunch growth habit and under close spacing are tall and fairly erect with pods clustered about the main stem similar to Valencia-type cvs. However, has more and finer branches with darker green foliage and appears to have more resistance to Cercospora leaf spot disease than the local Valencia, AK 62. Pods two-seeded. Seed coats light pink. Cultivar. Seed.

PI 565454. *Arachis hypogaea* L. FABACEAE

**Donated by:** Virginia Agr. Exp. Sta., Tidewater Res. Sta., Holland, Virginia 23391, United States. Received 1972.

**origin:** United States. **developed:** M.W. Alexander, R.W. Mozingo. **origin institute:** Virginia Agr. Exp. Sta., Tidewater Res. Sta., Holland, Virginia 23391 United States. **cultivar:** VIRGINIA 72R. **pedigree:** Virginia 61R/Virginia A89-15. **other id:** CV-13. **source:** Crop Sci. 12(1):127 1972. **group:** CSR-PEANUT. **remarks:** Maturity approx. 160 days. Seeds elongated with pink colored testa. Plants vigorous, prostrate in growth habit. Pods two-seeded, slightly constricted between seeds and have thick hull which prevents excessive kernel damage during harvesting and cleaning procedures. Cultivar. Seed.

PI 565455. *Arachis hypogaea* L. FABACEAE

**Donated by:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794, United States. Received 1975.

PI 565455-continued

**origin:** United States. **developed:** W.K. Balley, R.O. Hammons. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794 United States. **source history:** PI 268661 an introduction into the U.S. in 1960 from Rhodesia. Came originally from Krasnodar, USSR. **cultivar:** CHICO. **pedigree:** Selection from PI 268661. **other id:** GP-2. **source:** Crop Sci. 15(1):105 1975. **group:** CSR-PEANUT. **remarks:** Early maturing (20-30 days earlier than the earliest present cultivars). Plants compact. Pods two-segmented with moderate constriction between the small seeds (approx. 28g/100 seeds). Plants prolific but yield potential is lower than that of present U.S. cultivars. Not released for commercial production in the food trade. Provides breeders a useful germplasm source for peanut improvement where very early maturity may be desirable. Suitable for production in home gardens in U.S. where the growing season is too short for earliest commercial variety. Breeding Material. Seed.

PI 565456. *Arachis hypogaea* L. FABACEAE

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607, United States. Received 1977.

**origin:** United States. **developed:** W.V. Campbell, J.C. Wynne, D.A. Emery, R.W. Mozingo. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC6. **pedigree:** GP-NC 343 (2)/Va 61R (1). **other id:** PVP 7605011. **source:** Certificate in force. **group:** PVPO. **other id:** CV-20. **source:** Crop Sci. 17(2):346 1977. **group:** CSR-PEANUT. **patent:** PVPO. **remarks:** Large seeded Virginia type. Runner growth habit. Resistance to southern corn rootworm. Moderate resistance to potato leafhopper. Less susceptible to tobacco thrips than any other commercial cultivar in the Virginia- Carolina belt. Cultivar. Seed.

PI 565457. *Arachis hypogaea* L. FABACEAE

**Donated by:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794, United States; and Georgia Agr. Exp. Sta.; and Florida Agr. Exp. Sta.. Received 1978.

PI 565457-continued

**origin:** United States. **developed:** R.O. Hammons, A.J. Norden. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794 United States. **source history:** Traces to seed obtained in 1947 from R.B. Jenkins, Sumner, Georgia. **cultivar:** JENKINS JUMBO. **other id:** PL-1. **source:** Crop Sci. 19(1):132 1979. **group:** CSR-PEANUT. **remarks:** Plant mainstems produce only lateral branches which produce an alternation of vegetative and reproductive branches, usually in pairs. Fully mature fruits generally two-segmented. Seed huge, > 1.4g, have appreciable fresh seed dormancy and pink testae. Resistance to necrotic-etch leaf disease of unknown etiology. Widely used as a parental line in U.S. breeding investigations. Cultivated as a garden crop. However, its large pod size, moderate yields, and susceptibility to pod diseases make it unattractive for commercial production. Breeding Material. Seed.

PI 565458. *Arachis hypogaea* L. FABACEAE

**Donated by:** Florida Agr. Exp. Sta., University of Florida, Gainesville, Florida 32611, United States; and Agricultural Research Service -- USDA; and Georgia Agr. Exp. Sta.. Received 1976.

**origin:** United States. **origin institute:** Florida Agr. Exp. Sta., University of Florida, Gainesville, Florida 32611 United States. **cultivar:** EARLY BUNCH. **pedigree:** F406A/F420. **other id:** PVP 7500062. **source:** Certificate abandoned. **group:** PVPO. **other id:** CV-21. **source:** Crop Sci. 18(5):913 1978. **group:** CSR-PEANUT. **remarks:** Spreading bunch growth habit. Matures several to 10 days earlier than Florigiant or Florunner. Seed oblong, slightly darker pink than Florigiant. Pods and seed grade as a commercial Virginia type. Cultivar. Seed.

PI 565459 to 565460. *Arachis hypogaea* L. FABACEAE

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607, United States. Received 1979.

PI 565459 to 565460-continued

PI 565459 **origin:** United States. **developed:** J.C. Wynne, R.W. Mozingo, D.A. Emery. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC 7. **pedigree:** Fla 393/NC 5. **other id:** PVP 7900104. **source:** Certificate in force. **group:** PVPO. **other id:** CV-22. **source:** Crop Sci. 19(4):563 1979. **group:** CSR-PEANUT. **patent:** PVPO. **remarks:** Large seeded Virginia type. Decumbent or intermediate growth habit. Matures up to 10 days earlier than Florigiant, higher percentage of extra large kernels, higher meat content, less susceptible to southern corn rootworm. Cultivar. Seed.

PI 565460 **origin:** United States. **developed:** M.K. Beute, J.C. Wynne, D.A. Emery. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC 3033. **pedigree:** Ga 207-7 (Besse/Spanish 18-38)/A48 (NC 4/Spanish 2B). **other id:** GP-9. **source:** Crop Sci. 16(6):887 1976. **group:** CSR-PEANUT. **remarks:** Small seeded Virginia type. Semi-dwarf bunch growth habit. Seeds small, light pink, slightly rounded. High level of resistance to cylindrocladium black rot. Moderate level of resistance to southern stem rot. Field resistance to early leafspot & pythium pod rot. Highly susceptible to two-spotted spider mites. Breeding Material. Seed.

PI 565461. *Arachis hypogaea* L. FABACEAE

**Donated by:** Hsi, D.C.H., New Mexico Agr. Exp. Sta., New Mexico State University, Middle Rio Grande Br. Sta., Los Cruces, New Mexico 87031, United States. Received 1979.

**origin:** United States. **developed:** D.C.H. Hsi. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, Los Cruces, New Mexico 87031 United States. **cultivar:** NEW MEXICO VALENCIA C. **pedigree:** Selection from PI 355987. **other id:** CV-24. **source:** Crop Sci. 20(1):113 1980. **group:** CSR-PEANUT. **remarks:** Valencia type, bunch growth habit. Seed has red testa. Outproduced N.M. Valencia A in 11 of 16 tests. Good flavor and commercially acceptable. Cultivar. Seed.

PI 565462. *Arachis hypogaea* L. FABACEAE

**Donated by:** Coffelt, T.A., Agricultural Research Service -- USDA, Peanut Research Unit, P.O. Box 7099, Suffolk, Virginia 23437, United States; and Virginia Agr. Exp. Sta.. Received 1979.



**origin:** United States. **developed:** T.A. Coffelt. **origin institute:** Agricultural Research Service -- USDA, Peanut Research Unit, Suffolk, Virginia 23437 United States. **cultivar:** VGP 1. **pedigree:** Selection from PI 343381 (from Israel). **other id:** GP-11. **source:** Crop Sci. 20(3):419 1980. **group:** CSR-PEANUT. **remarks:** Bunch type growth habit. Seed light pink. Pods two-seeded. High resistance to cylindrocladium black rot. Resistance to sclerotinia blight. Highly susceptible to peanut rust, two-spotted spider mites, and tobacco thrips. Moderately susceptible to leafspot. Breeding Material. Seed.

PI 565463 to 565464. *Arachis hypogaea* L. FABACEAE

**Donated by:** Hammons, R.O., Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794, United States; and Virginia Agr. Exp. Sta.; and Georgia Agr. Exp. Sta.. Received 1980.

PI 565463 **origin:** United States. **developed:** T.A. Coffelt, R.O. Hammons, W.D. Branch, R.W. Mazingo, P.M. Phipps, J.C. Smith, R.E. Lynch, C.S. Kvien.. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794 United States. **cultivar:** TIFTON-8. **pedigree:** Pure-breeding virginia-type plant found in 1961 in a spanish-type introduction (PI 261976) from Paraguay. **other id:** GP-39. **source:** Crop Sci. 25(1):203 1985. **group:** CSR-PEANUT. **remarks:** Large seeded Virginia type. Bunch growth habit. Maturity medium late. Seeds tan. Resistance to black rot, Cercospora leafspots, corn rootworm, tobacco thrips, velvetbean caterpillar, and drought. Less susceptible than Florigiant &/or Florunner to corn earworm, Diplodia collar rot, and Aspergillus parasiticus Speare. Breeding Material. Seed.

PI 565464 **origin:** United States. **developed:** W.D. Branch, R.O. Hammons. **origin institute:** Georgia Agr. Exp. Sta., Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794 United States. **source history:** Developed by B.B. Higgins for oil production during W.W. II but not fully released due to bland flavor.. **cultivar:** GA 207-3-4. **pedigree:** Lineal selection from GA 207-3. **other id:** PL-2. **source:** Crop Sci. 24(6):1224 1984. **group:** CSR-PEANUT. **remarks:** Tall, upright bunch type. Pods and seed medium size. Valuable parent widely used in U.S. peanut breeding programs. Growth is decumbent-bunch. Plants mature medium early. Fruits usually two-seeded. Testa brown. Breeding Material. Seed.

PI 565465 to 565466. *Arachis hypogaea* L. FABACEAE

**Donated by:** Wynne, J.C., North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607, United States; and Florida Agr. Exp. Sta.. Received 1980.

PI 565465 **origin:** United States. **developed:** W.V. Campbell, D.A. Emery, W.C. Gregory. **origin institute:** North Carolina Agr. Exp., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** GP-NC343. **pedigree:** NC Bunch/PI 121067. **other id:** GP-1. **source:** Crop Sci. 11(4):605 1971. **group:** CSR-PEANUT. **remarks:** Virginia type. Intermediate growth habit. Resistant to the larvae of the southern corn rootworm. Seed.

PI 565466 **origin:** United States. **developed:** D.A. Emery, A.J. Norden, J.C. Wynne, R.W. Mozingo. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC-FLA 14. **pedigree:** Jenkins Jumbo/Florispan derivative (F334A-3-5-5-1). **other id:** CV-17. **source:** Crop Sci. 14(3):494 1974. **group:** CSR-PEANUT. **remarks:** Large seeded Virginia type. Bunch growth habit. Maturity 140 days. Because of weaker peg attachment harvested a few days earlier than Florigiant. Cultivar. Seed.

PI 565467 to 565472. *Arachis hypogaea* L. FABACEAE

**Donated by:** Hammons, R.O., Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794, United States. Received 1981.

PI 565467 **origin:** United States. **developed:** R.O. Hammons. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **source history:** Introduced in 1971 from Punjab Agricultural University in India.. **cultivar:** CBR-R5. **pedigree:** Pool of five selections from PI 362137 (from India). **other id:** GP-16. **source:** Crop Sci. 21(6):992 1981. **group:** CSR-PEANUT. **remarks:** Spanish type. Testa brown. Maturity early (120 days). Pods and seed small (0.33g/seed). Resistance to *Cylindrocladium* black rot (CBR). Plants erect, 52cm tall. Foliage light green. Flowers orange. Breeding Material. Seed.

- PI 565468 **origin:** United States. **developed:** R.O. Hammons. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** CBR-R3. **pedigree:** Selection from PI 336931 (from Argentina). **other id:** GP-14. **source:** Crop Sci. 21(6):992 1981. **group:** CSR-PEANUT. **remarks:** Spanish type. Bunch growth habit. Maturity early (120 days). Testa light brown. Seeds small (0.3g/seed), nondormant. Plants erect, 44cm tall. Leaves light green. Flowers orange. Resistance to *Cylindrocladium* black rot (CBR). Breeding Material. Seed.
- PI 565469 **origin:** United States. **developed:** R.O. Hammons. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** CBR-R2. **pedigree:** Selection from PI 331326 (from Argentina). **other id:** GP-13. **source:** Crop Sci. 21(6):992 1981. **group:** CSR-PEANUT. **remarks:** Virginia type. Prostrate growth habit. Maturity medium (135-140 days). Seed average 0.4g/seed and are dormant. Testa white. Foliage medium green. Flowers orange. Resistance to *Cylindrocladium* black rot (CBR). Breeding Material. Seed.
- PI 565470 **origin:** United States. **developed:** R.O. Hammons. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** CBR-R1. **pedigree:** Selection from PI 268573 (from Rhodesia). **other id:** GP-12. **source:** Crop Sci. 21(6):992 1981. **group:** CSR-PEANUT. **remarks:** Spanish type. Maturity approx. 125 days. Pods and seeds small. Testa brown. Plants erect, 54cm tall. Foliage light green. Flowers orange. Seed small (0.33g/seed), nondormant. Resistance to *Cylindrocladium* black rot (CBR). Breeding Material. Seed.
- PI 565471 **origin:** United States. **developed:** R.O. Hammons. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **source history:** Collected in Jujuy Province, Argentina and brought to U.S. in 1969.. **cultivar:** CBR-R4. **pedigree:** Selection from PI 339974 (from Argentina). **other id:** GP-15. **source:** Crop Sci. 21(6):992 1981. **group:** CSR-PEANUT. **remarks:** Valencia type. Maturity early (115-120 days). Testa red. Pods mostly 3 segmented. Seed (0.34g/seed), nondormant. Plants erect, 54cm tall. Leaves light green. Flowers orange. Resistance to *Cylindrocladium* black rot (CBR). Breeding Material. Seed.

PI 565467 to 565472-continued

PI 565472 **origin:** United States. **developed:** R.O. Hammons. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** CBR-R6. **pedigree:** Developed from PI 362142 (from India). **other id:** GP-17. **source:** Crop Sci. 21(6):992 1981. **group:** CSR-PEANUT. **remarks:** Spanish type. Plants erect, 58cm tall. Pods small, nondormant, two seeds each weighing .3g. Testa light tan. Resistance to *Cylindrocladium* black rot (CBR). Breeding Material. Seed.

PI 565473. *Arachis hypogaea* L. FABACEAE

**Donated by:** Mixon, A.C., Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793, United States. Received 1982.

**origin:** United States. **developed:** A.C. Mixon. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** SUNBELT RUNNER. **pedigree:** A4-4 (F392-12-B-28/Va. Bunch 67)/Florunner. **other id:** CV-26. **source:** Crop Sci. 22(5):1086 1982. **group:** CSR-PEANUT. **remarks:** Runner growth habit. Maturity avg. 9 days earlier than Florunner. Seed color pink. High yielding, stable cultivar adapted to the peanut producing area of the southeast U.S. Cultivar. Seed.

PI 565474. *Arachis hypogaea* L. FABACEAE

**Donated by:** Coffelt, T.A., Agricultural Research Service -- USDA, Peanut Research Unit, Suffolk, Virginia 23437, United States; and Virginia Agr. Exp. Sta.. Received 1982.

**origin:** United States. **developed:** T.A. coffelt, D.M. Porter, R.W. Mozingo. **origin institute:** Agricultural Research Service -- USDA, Peanut Research Unit, Suffolk, Virginia 23437 United States. **cultivar:** VIRGINIA 81 BUNCH. **pedigree:** F 392-8/GA 119-20, F7. **other id:** CV-25. **source:** Crop Sci. 22(5):1085 1982. **group:** CSR-PEANUT. **remarks:** Large seeded Virginia type with bunch growth habit. Maturity up to 14 days earlier than Florigiant. Seed light pink color. Pods moderately constricted, mostly two-seeded. Resistance to *Sclerotinia* minor, causal agent of *Sclerotinia* blight. Cultivar. Seed.

PI 565475. *Arachis hypogaea* L. FABACEAE

**Donated by:** Banks, D.J., Agricultural Research Service -- USDA, Plant Science Research Facility, Stillwater, Oklahoma 74076, United States; and Oklahoma Agr. Exp. Sta.; and Georgia Agr. Exp. Sta.. Received 1982.

**origin:** United States. **developed:** D.J. Banks, J.S. Kirby. **origin institute:** Agricultural Research Service -- USDA, Plant Science Research Facility, Stillwater, Oklahoma 74076 United States. **cultivar:** PRONTO. **pedigree:** Chico/Comet. **other id:** CV-28. **source:** Crop Sci. 23(1):184 1983. **group:** CSR-PEANUT. **remarks:** Large seeded (43g/100) spanish type. Maturity early. Good shelling characteristics and good production potential. Plants typical spanish type except more yellow-green color than Comet or Tamnut 74. Cultivar. Seed.

PI 565476. *Arachis hypogaea* L. FABACEAE

**Donated by:** Wynne, J.C., North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607, United States. Received 1982.

**origin:** United States. **developed:** J.C. Wynne, M.K. Beute. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27607 United States. **cultivar:** NC 8C. **pedigree:** NC Ac 3139/Florigiant. **other id:** CV-27. **source:** Crop Sci. 23(1):183 1983. **group:** CSR-PEANUT. **remarks:** Runner growth habit. Seed color pink. Moderately resistant to southern stem rot & CBR (3 on scale 1-5). Maturity 140-150 days (Virginia-North Carolina). Cultivar. Seed.

PI 565477. *Arachis hypogaea* L. FABACEAE

**Donated by:** Norden, A.J., Florida Agr. Exp. Sta., University of Florida, Agronomy Dept., Gainesville, Florida 32611, United States; and Agricultural Research Service -- USDA; and Georgia Agr. Exp. Sta.. Received 1983.

**origin:** United States. **developed:** R.O. Hammons, D.M. Porter, A.J. Norden, W.A. Carver. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794 United States. **cultivar:** F334A-B-14. **pedigree:** Georgia 207-3/F230-118-2-2. **other id:** GP-32. **source:** Crop Sci. 23(5):1019 1983. **group:** CSR-PEANUT. **remarks:** Runner growth habit. Pods and seeds predominantly spanish type. Testa pink. Seed weight 570mg, contain approx. 52% oil. Resistance to diplodia collar rot. Breeding Material. Seed.

PI 565478 to 565483. *Arachis hypogaea* L. FABACEAE

**Donated by:** Mixon, A.C., Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793, United States. Received 1983.

- PI 565478 **origin:** United States. **developed:** A.C. Mixon. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** GFA-1. **pedigree:** A137/A5-5. **other id:** GP-33. **source:** Crop Sci. 23(5):1020 1983. **group:** CSR-PEANUT. **remarks:** Runner growth habit. Seed color pink. Maturity 145-152 days. Resistance to aflatoxin producing strains of *Aspergillus* sp. Breeding Material. Seed.
- PI 565479 **origin:** United States. **developed:** A.C. Mixon. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** GFA-2. **pedigree:** A137/Florunner. **other id:** GP-34. **source:** Crop Sci. 23(5):1020 1983. **group:** CSR-PEANUT. **remarks:** Runner growth habit. Seed color pink. Maturity 145-152 days. Resistance to aflatoxin producing strains of *Aspergillus* sp. Breeding Material. Seed.
- PI 565480 **origin:** United States. **developed:** A.C. Mixon. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** AR-1. **pedigree:** Florunner/PI 337409. **other id:** GP-35. **source:** Crop Sci. 23(5):1021 1983. **group:** CSR-PEANUT. **remarks:** Open bunch growth habit. Seed color pink. Maturity 128-134 days. Leaf color medium green. Stem color brownish. Resistance to aflatoxin producing strains of *Aspergillus* sp. Yield potential too low for practical use as commercial cultivar. Breeding Material. Seed.
- PI 565481 **origin:** United States. **developed:** A.C. Mixon. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** AR-2. **pedigree:** A5-5(4)/PI 337409. **other id:** GP-36. **source:** Crop Sci. 23(5):1021 1983. **group:** CSR-PEANUT. **remarks:** Open bunch growth habit. Seed color pink. Maturity 128-132 days. Leaf color medium green. Stem color purple-green. Resistance to aflatoxin producing strains of *Aspergillus* sp. Yield potential too low for practical use as commercial cultivar. Breeding Material. Seed.

PI 565478 to 565483-continued

PI 565482 **origin:** United States. **developed:** A.C. Mixon. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plains Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** AR-3. **pedigree:** PI 337432/Tifspan. **other id:** GP-37. **source:** Crop Sci. 23(5):1021 1983. **group:** CSR-PEANUT. **remarks:** Open bunch type. Seed color pink. Maturity 126-134 days. Leaf color medium green. Stem color purple-green. Resistance to aflatoxin producing strains of *Aspergillus* sp. Yield potential too low for practical use as commercial cultivar. Breeding Material. Seed.

PI 565483 **origin:** United States. **developed:** A.C. Mixon. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** AR-4. **pedigree:** PI 337394F/Florunner. **other id:** GP-38. **source:** Crop Sci. 23(5):1021 1983. **group:** CSR-PEANUT. **remarks:** Open bunch growth habit. Seed color reddish-pink. Maturity 132-136 days. Leaf color light medium green. Stem color green with red/purple tint. Resistance to aflatoxin producing strains of *Aspergillus* sp. Yield potential too low for practical use as commercial cultivar. Breeding Material. Seed.

PI 565484. *Arachis hypogaea* L. FABACEAE

**Donated by:** Wynne, J. C., North Carolina Agr. Res. Service, North Carolina State University, Crop Science Department, Raleigh, North Carolina 27695, United States. Received 1985.

**origin:** United States. **developed:** J.C. Wynne, R.W. Mazingo, D.A. Emery. **origin institute:** North Carolina Agr. Res. Service, North Carolina State University, Raleigh, North Carolina 27695 United States. **cultivar:** NC 9. **pedigree:** NC2/Florigiant, F4. **other id:** PVP 8500201. **source:** Certificate in force. **group:** PVPO. **other id:** CV-30. **source:** Crop Sci. 26(1):197 1986. **group:** CSR-PEANUT. **patent:** PVPO. **remarks:** Large seeded Virginia type with runner growth habit similar to Florigiant. Matures up to 10 days earlier than Florigiant. Produced slightly higher yields, more fancy size pods, extra large kernels and greater value per ha than Florigiant. Susceptible to southern stem rot, early leaf spot, southern leaf spot, *cylindrocladium* crotalaria, thrips, leaf hopper, and southern corn rootworm. Cultivar. Seed.

PI 565485. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Delta & Pine Land Company, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Delta & Pine Land Company United States. **cultivar:** DP 3682. **other id:** PVP 9300121. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565486. X Triticosecale rimpai Wittm. POACEAE Triticale

**Donated by:** Resource Seeds, Inc., United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Resource Seeds, Inc. United States. **cultivar:** TRICAL 2700. **other id:** PVP 9300122. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565487. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** FFR Cooperative, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** FFR Cooperative United States. **cultivar:** FFR 193. **other id:** PVP 9300125. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565488. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** FFR Cooperative, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** FFR Cooperative United States. **cultivar:** FFR 352. **other id:** PVP 9300126. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565489. Brassica napus L. BRASSICACEAE Rapeseed

**Donated by:** Ameri-Can Pedigreed Seed Company, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Ameri-Can Pedigreed Seed Company United States. **cultivar:** CYCLONE. **other id:** PVP 9300128. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.



PI 565490. *Lolium perenne* L. POACEAE Perennial ryegrass

**Donated by:** Pure-Seed Testing, Inc., United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Pure-Seed Testing, Inc. United States. **cultivar:** PRIZM. **other id:** PVP 9300129. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565491. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMX 50-05. **other id:** PVP 9300130. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565492. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-27. **other id:** PVP 9300131. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565493. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-28. **other id:** PVP 9300132. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565494. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-33. **other id:** PVP 9300133. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565495. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMX 50-37. **other id:** PVP 9300134. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565496. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-60. **other id:** PVP 9300135. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565497. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-63. **other id:** PVP 9300136. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565498. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-69. **other id:** PVP 9300137. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565499. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-70. **other id:** PVP 9300138. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565500. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-71. **other id:** PVP 9300139. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565501. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-76. **other id:** PVP 9300140. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565502. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-78. **other id:** PVP 9300141. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565503. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-79. **other id:** PVP 9300142. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565504. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-80. **other id:** PVP 9300143. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565505. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-81. **other id:** PVP 9300144. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565506. *Pisum sativum* L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-82. **other id:** PVP 9300145. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565507. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Del Monte Corporation, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 06-23. **other id:** PVP 9300146. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565508. *Oryza sativa* L. POACEAE Rice

**Donated by:** Mitsubishi Kasei Corporation, Japan. Received March 04, 1993.

**origin:** Japan. **origin institute:** Mitsubishi Kasei Corporation Japan. **cultivar:** AMYLO 17. **other id:** PVP 9300147. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565509. *Festuca arundinacea* Schreber POACEAE Tall fescue

**Donated by:** Jacklin Seed Company, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Jacklin Seed Company United States. **cultivar:** PIXIE. **other id:** PVP 9300148. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565510. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Asgrow Seed Company, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** A4539. **other id:** PVP 9300149. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565511. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Asgrow Seed Company, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** A3431. **other id:** PVP 9300150. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565512. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Asgrow Seed Company, United States. Received March 04, 1993.

**origin:** United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** A4138. **other id:** PVP 9300151. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 565513 to 566588. *Hordeum vulgare* L. subsp. *vulgare* POACEAE Barley

**Donated by:** Damania, A.B., ICARDA, Genetic Resources Unit, P.O. Box 5466, Aleppo, Syria. Received June 05, 1991.

PI 565513 **origin:** China. **origin institute id:** 116240. **cultivar:** SHI JIA ZHUANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 16. **other id:** MAC9192-4836. Cultivated. Seed.

PI 565514 **origin:** China. **origin institute id:** 116241. **cultivar:** YI XIAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 17. **other id:** MAC9192-4838. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565515 **origin:** China. **origin institute id:** 116242. **cultivar:** ZHANG JIA KOU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 18. **other id:** MAC9192-4840. Cultivated. Seed.
- PI 565516 **origin:** China. **origin institute id:** 116245. **cultivar:** NING JIN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 22. **other id:** MAC9192-4846. Cultivated. Seed.
- PI 565517 **origin:** China. **origin institute id:** 116246. **cultivar:** QING LONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 23. **other id:** MAC9192-4848. Cultivated. Seed.
- PI 565518 **origin:** China. **origin institute id:** 116247. **cultivar:** ZHUO XIAN NONG ZHONG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 24. **other id:** MAC9192-4850. Cultivated. Seed.
- PI 565519 **origin:** China. **origin institute id:** 116248. **cultivar:** DING XIAN NONG ZHONG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 25. **other id:** MAC9192-4852. Cultivated. Seed.
- PI 565520 **origin:** China. **origin institute id:** 116249. **cultivar:** YI XIAN CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 26. **other id:** MAC9192-4854. Cultivated. Seed.
- PI 565521 **origin:** China. **origin institute id:** 116250. **cultivar:** HAN DAN XIAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 27. **other id:** MAC9192-4856. Cultivated. Seed.
- PI 565522 **origin:** China. **origin institute id:** 116251. **cultivar:** LONG YAO SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 28. **other id:** MAC9192-4858. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565523 **origin:** China. **origin institute id:** 116253. **cultivar:** QING HE SI YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 30. **other id:** MAC9192-4860. Cultivated. Seed.
- PI 565524 **origin:** China. **origin institute id:** 116254. **cultivar:** JING JING DAMAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 31. **other id:** MAC9192-4862. Cultivated. Seed.
- PI 565525 **origin:** China. **origin institute id:** 116257. **cultivar:** DING XIAN DONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 35. **other id:** MAC9192-4868. Cultivated. Seed.
- PI 565526 **origin:** China. **origin institute id:** 116259. **cultivar:** GOA YANG DONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 37. **other id:** MAC9192-4872. Cultivated. Seed.
- PI 565527 **origin:** China. **origin institute id:** 116260. **cultivar:** YANG YUAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 39. **other id:** MAC9192-4874. Cultivated. Seed.
- PI 565528 **origin:** China. **origin institute id:** 116262. **cultivar:** WAN XIAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 41. **other id:** MAC9192-4876. Cultivated. Seed.
- PI 565529 **origin:** China. **origin institute id:** 116266. **cultivar:** SHEN XIAN CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 45. **other id:** MAC9192-4880. Cultivated. Seed.
- PI 565530 **origin:** China. **origin institute id:** 116269. **cultivar:** JAO QAN MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 50. **other id:** MAC9192-4886. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565531 **origin:** China. **origin institute id:** 116270. **cultivar:** DIGAN MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 51. **other id:** MAC9192-4888. Cultivated. Seed.
- PI 565532 **origin:** China. **origin institute id:** 116271. **cultivar:** CHENG AN ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 52. **other id:** MAC9192-4890. Cultivated. Seed.
- PI 565533 **origin:** China. **origin institute id:** 116272. **cultivar:** FEI XIANG QOU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 53. **other id:** MAC9192-4892. Cultivated. Seed.
- PI 565534 **origin:** China. **origin institute id:** 116273. **cultivar:** 80-229 DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 54. **other id:** MAC9192-4894. Cultivated. Seed.
- PI 565535 **origin:** China. **origin institute id:** 116274. **cultivar:** SU NING DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 55. **other id:** MAC9192-4896. Cultivated. Seed.
- PI 565536 **origin:** China. **origin institute id:** 116278. **cultivar:** ZHULU LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 64. **other id:** MAC9192-4904. Cultivated. Seed.
- PI 565537 **origin:** China. **origin institute id:** 116279. **cultivar:** YAN SHAN MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 65. **other id:** MAC9192-4906. Cultivated. Seed.
- PI 565538 **origin:** China. **origin institute id:** 116282. **cultivar:** HU LU TOU-2. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 70. **other id:** MAC9192-4912. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 565539 **origin:** China. **origin institute id:** 116283. **cultivar:** SHA HE CHUN LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 71. **other id:** MAC9192-4914. Cultivated. Seed.
- PI 565540 **origin:** China. **origin institute id:** 116284. **cultivar:** WEI XIAN CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 72. **other id:** MAC9192-4916. Cultivated. Seed.
- PI 565541 **origin:** China. **origin institute id:** 116285. **cultivar:** DING XIAN MAI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 73. **other id:** MAC9192-4918. Cultivated. Seed.
- PI 565542 **origin:** China. **origin institute id:** 116286. **cultivar:** YANG YUNG MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 74. **other id:** MAC9192-4920. Cultivated. Seed.
- PI 565543 **origin:** China. **origin institute id:** 116287. **cultivar:** WAN XIAN MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 75. **other id:** MAC9192-4922. Cultivated. Seed.
- PI 565544 **origin:** China. **origin institute id:** 116288. **cultivar:** ZHUO XIAN LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 76. **other id:** MAC9192-4924. Cultivated. Seed.
- PI 565545 **origin:** China. **origin institute id:** 116289. **cultivar:** LONG YAO MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 77. **other id:** MAC9192-4926. Cultivated. Seed.
- PI 565546 **origin:** China. **origin institute id:** 116290. **cultivar:** MAN CHENG MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 78. **other id:** MAC9192-4928. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565547 **origin:** China. **origin institute id:** 116292. **cultivar:** BAO DING GUO MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 81. **other id:** MAC9192-4932. Cultivated. Seed.
- PI 565548 **origin:** China. **origin institute id:** 116294. **cultivar:** DA MAI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 208. **other id:** MAC9192-4934. Cultivated. Seed.
- PI 565549 **origin:** China. **origin institute id:** 116295. **cultivar:** DA MAI 3 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 209. **other id:** MAC9192-4936. Cultivated. Seed.
- PI 565550 **origin:** China. **origin institute id:** 116296. **cultivar:** DA MAI 4 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 210. **other id:** MAC9192-4938. Cultivated. Seed.
- PI 565551 **origin:** China. **origin institute id:** 116297. **cultivar:** JI NAN CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 211. **other id:** MAC9192-4940. Cultivated. Seed.
- PI 565552 **origin:** China. **origin institute id:** 116304. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 222. **other id:** MAC9192-4952. Cultivated. Seed.
- PI 565553 **origin:** China. **origin institute id:** 116305. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 223. **other id:** MAC9192-4954. Cultivated. Seed.
- PI 565554 **origin:** China. **origin institute id:** 116306. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 224. **other id:** MAC9192-4956. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565555 **origin:** China. **origin institute id:** 116307. **cultivar:** CHUN MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 226. **other id:** MAC9192-4958. Cultivated. Seed.
- PI 565556 **origin:** China. **origin institute id:** 116308. **cultivar:** LI CHENG XIAN CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 227. **other id:** MAC9192-4960. Cultivated. Seed.
- PI 565557 **origin:** China. **origin institute id:** 116309. **cultivar:** XIN XIAN CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 228. **other id:** MAC9192-4962. Cultivated. Seed.
- PI 565558 **origin:** China. **origin institute id:** 116310. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 229. **other id:** MAC9192-4964. Cultivated. Seed.
- PI 565559 **origin:** China. **origin institute id:** 116311. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 230. **other id:** MAC9192-4966. Cultivated. Seed.
- PI 565560 **origin:** China. **origin institute id:** 116312. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 232. **other id:** MAC9192-4968. Cultivated. Seed.
- PI 565561 **origin:** China. **origin institute id:** 116313. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 233. **other id:** MAC9192-4970. Cultivated. Seed.
- PI 565562 **origin:** China. **origin institute id:** 116314. **cultivar:** SAN YUE HUANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 234. **other id:** MAC9192-4972. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565563 **origin:** China. **origin institute id:** 116316. **cultivar:** SAN YUE HUANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 236. **other id:** MAC9192-4974. Cultivated. Seed.
- PI 565564 **origin:** China. **origin institute id:** 116317. **cultivar:** LIU LENG ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 237. **other id:** MAC9192-4976. Cultivated. Seed.
- PI 565565 **origin:** China. **origin institute id:** 116321. **cultivar:** NIU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 242. **other id:** MAC9192-4984. Cultivated. Seed.
- PI 565566 **origin:** China. **origin institute id:** 116323. **cultivar:** CHUN GONG ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 244. **other id:** MAC9192-4988. Cultivated. Seed.
- PI 565567 **origin:** China. **origin institute id:** 116324. **cultivar:** CHUN GONG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 245. **other id:** MAC9192-4990. Cultivated. Seed.
- PI 565568 **origin:** China. **origin institute id:** 116325. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 246. **other id:** MAC9192-4992. Cultivated. Seed.
- PI 565569 **origin:** China. **origin institute id:** 116326. **cultivar:** MAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 247. **other id:** MAC9192-4994. Cultivated. Seed.
- PI 565570 **origin:** China. **origin institute id:** 116327. **cultivar:** JIAO XION NONG ZHONG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 249. **other id:** MAC9192-4996. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565571 **origin:** China. **origin institute id:** 116328. **cultivar:** JIAO XION NONG ZHONG 4. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 250. **other id:** MAC9192-4998. Cultivated. Seed.
- PI 565572 **origin:** China. **origin institute id:** 116329. **cultivar:** TALAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 252. **other id:** MAC9192-5000. Cultivated. Seed.
- PI 565573 **origin:** China. **origin institute id:** 116330. **cultivar:** TALAN NONG ZHONG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 253. **other id:** MAC9192-5002. Cultivated. Seed.
- PI 565574 **origin:** China. **origin institute id:** 116331. **cultivar:** LIU JIA ZHUANG GONG ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 255. **other id:** MAC9192-5004. Cultivated. Seed.
- PI 565575 **origin:** China. **origin institute id:** 116332. **cultivar:** XI JIAO CUN NONG ZHONG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 256. **other id:** MAC9192-5006. Cultivated. Seed.
- PI 565576 **origin:** China. **origin institute id:** 116333. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 258. **other id:** MAC9192-5008. Cultivated. Seed.
- PI 565577 **origin:** China. **origin institute id:** 116335. **cultivar:** DONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 261. **other id:** MAC9192-5012. Cultivated. Seed.
- PI 565578 **origin:** China. **origin institute id:** 116336. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 262. **other id:** MAC9192-5014. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565579 **origin:** China. **origin institute id:** 116337. **cultivar:** CHUN MANG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 264. **other id:** MAC9192-5016. Cultivated. Seed.
- PI 565580 **origin:** China. **origin institute id:** 116338. **cultivar:** GU MANG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 265. **other id:** MAC9192-5018. Cultivated. Seed.
- PI 565581 **origin:** China. **origin institute id:** 116339. **cultivar:** CHUN MANG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 266. **other id:** MAC9192-5020. Cultivated. Seed.
- PI 565582 **origin:** China. **origin institute id:** 116340. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 267. **other id:** MAC9192-5022. Cultivated. Seed.
- PI 565583 **origin:** China. **origin institute id:** 116341. **cultivar:** LA YI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 268. **other id:** MAC9192-5024. Cultivated. Seed.
- PI 565584 **origin:** China. **origin institute id:** 116342. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 270. **other id:** MAC9192-5026. Cultivated. Seed.
- PI 565585 **origin:** China. **origin institute id:** 116344. **cultivar:** JI NAN CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 272. **other id:** MAC9192-5030. Cultivated. Seed.
- PI 565586 **origin:** China. **origin institute id:** 116345. **cultivar:** LI CHENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 274. **other id:** MAC9192-5032. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565587 **origin:** China. **origin institute id:** 116346. **cultivar:** QU FU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 275. **other id:** MAC9192-5034. Cultivated. Seed.
- PI 565588 **origin:** China. **origin institute id:** 116348. **cultivar:** CHENG WU MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 279. **other id:** MAC9192-5038. Cultivated. Seed.
- PI 565589 **origin:** China. **origin institute id:** 116349. **cultivar:** JING CAO ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 282. **other id:** MAC9192-5040. Cultivated. Seed.
- PI 565590 **origin:** China. **origin institute id:** 116350. **cultivar:** QIU GENG ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 283. **other id:** MAC9192-5042. Cultivated. Seed.
- PI 565591 **origin:** China. **origin institute id:** 116351. **cultivar:** LONG MEN DONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 284. **other id:** MAC9192-5044. Cultivated. Seed.
- PI 565592 **origin:** China. **origin institute id:** 116353. **cultivar:** YANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 286. **other id:** MAC9192-5048. Cultivated. Seed.
- PI 565593 **origin:** China. **origin institute id:** 116355. **cultivar:** LA YI BA. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 189. **other id:** MAC9192-5052. Cultivated. Seed.
- PI 565594 **origin:** China. **origin institute id:** 116357. **cultivar:** WU MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 291. **other id:** MAC9192-5056. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565595 **origin:** China. **origin institute id:** 116358. **cultivar:** BAN JIE MANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 296. **other id:** MAC9192-5058. Cultivated. Seed.
- PI 565596 **origin:** China. **origin institute id:** 116359. **cultivar:** LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 299. **other id:** MAC9192-5060. Cultivated. Seed.
- PI 565597 **origin:** China. **origin institute id:** 116360. **cultivar:** LIU LENG BAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 300. **other id:** MAC9192-5062. Cultivated. Seed.
- PI 565598 **origin:** China. **origin institute id:** 116361. **cultivar:** SI LENG BAI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 304. **other id:** MAC9192-5064. Cultivated. Seed.
- PI 565599 **origin:** China. **origin institute id:** 116362. **cultivar:** NAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 305. **other id:** MAC9192-5066. Cultivated. Seed.
- PI 565600 **origin:** China. **origin institute id:** 116363. **cultivar:** XIAO WU GONG ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 307. **other id:** MAC9192-5068. Cultivated. Seed.
- PI 565601 **origin:** China. **origin institute id:** 116364. **cultivar:** PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 310. **other id:** MAC9192-5070. Cultivated. Seed.
- PI 565602 **origin:** China. **origin institute id:** 116368. **cultivar:** PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 318. **other id:** MAC9192-5074. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 565603 **origin:** China. **origin institute id:** 116370. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 321. **other id:** MAC9192-5078. Cultivated. Seed.
- PI 565604 **origin:** China. **origin institute id:** 116377. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 333. **other id:** MAC9192-5090. Cultivated. Seed.
- PI 565605 **origin:** China. **origin institute id:** 116378. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 335. **other id:** MAC9192-5092. Cultivated. Seed.
- PI 565606 **origin:** China. **origin institute id:** 116380. **cultivar:** DONG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 340. **other id:** MAC9192-5096. Cultivated. Seed.
- PI 565607 **origin:** China. **origin institute id:** 116381. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 341. **other id:** MAC9192-5098. Cultivated. Seed.
- PI 565608 **origin:** China. **origin institute id:** 116382. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 342. **other id:** MAC9192-5100. Cultivated. Seed.
- PI 565609 **origin:** China. **origin institute id:** 116384. **cultivar:** DEXIAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 344. **other id:** MAC9192-5102. Cultivated. Seed.
- PI 565610 **origin:** China. **origin institute id:** 116385. **cultivar:** JIANG MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 345. **other id:** MAC9192-5104. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565611 **origin:** China. **origin institute id:** 116386. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 346. **other id:** MAC9192-5106. Cultivated. Seed.
- PI 565612 **origin:** China. **origin institute id:** 116388. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 348. **other id:** MAC9192-5110. Cultivated. Seed.
- PI 565613 **origin:** China. **origin institute id:** 116399. **cultivar:** SI YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 360. **other id:** MAC9192-5132. Cultivated. Seed.
- PI 565614 **origin:** China. **origin institute id:** 116400. **cultivar:** SI YUE BAI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 361. **other id:** MAC9192-5134. Cultivated. Seed.
- PI 565615 **origin:** China. **origin institute id:** 116401. **cultivar:** NAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 362. **other id:** MAC9192-5136. Cultivated. Seed.
- PI 565616 **origin:** China. **origin institute id:** 116402. **cultivar:** DONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 363. **other id:** MAC9192-5138. Cultivated. Seed.
- PI 565617 **origin:** China. **origin institute id:** 116403. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 365. **other id:** MAC9192-5140. Cultivated. Seed.
- PI 565618 **origin:** China. **origin institute id:** 116408. **cultivar:** DONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 376. **other id:** MAC9192-5150. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565619 **origin:** China. **origin institute id:** 116409. **cultivar:** JIAO GUO TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 378. **other id:** MAC9192-5152. Cultivated. Seed.
- PI 565620 **origin:** China. **origin institute id:** 116410. **cultivar:** BAN JIE MANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 379. **other id:** MAC9192-5154. Cultivated. Seed.
- PI 565621 **origin:** China. **origin institute id:** 116415. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 393. **other id:** MAC9192-5160. Cultivated. Seed.
- PI 565622 **origin:** China. **origin institute id:** 116416. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 394. **other id:** MAC9192-5162. Cultivated. Seed.
- PI 565623 **origin:** China. **origin institute id:** 116417. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 397. **other id:** MAC9192-5164. Cultivated. Seed.
- PI 565624 **origin:** China. **origin institute id:** 116418. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 398. **other id:** MAC9192-5166. Cultivated. Seed.
- PI 565625 **origin:** China. **origin institute id:** 116419. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 399. **other id:** MAC9192-5168. Cultivated. Seed.
- PI 565626 **origin:** China. **origin institute id:** 116421. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 401. **other id:** MAC9192-5172. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565627 **origin:** China. **origin institute id:** 116424. **cultivar:** CHUN MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 404. **other id:** MAC9192-5176. Cultivated. Seed.
- PI 565628 **origin:** China. **origin institute id:** 116425. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 405. **other id:** MAC9192-5178. Cultivated. Seed.
- PI 565629 **origin:** China. **origin institute id:** 116426. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 406. **other id:** MAC9192-5180. Cultivated. Seed.
- PI 565630 **origin:** China. **origin institute id:** 116427. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 407. **other id:** MAC9192-5182. Cultivated. Seed.
- PI 565631 **origin:** China. **origin institute id:** 116428. **cultivar:** CHUN GONG ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 410. **other id:** MAC9192-5184. Cultivated. Seed.
- PI 565632 **origin:** China. **origin institute id:** 116429. **cultivar:** CHUN ZAO ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 411. **other id:** MAC9192-5186. Cultivated. Seed.
- PI 565633 **origin:** China. **origin institute id:** 116430. **cultivar:** BAI GONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 412. **other id:** MAC9192-5188. Cultivated. Seed.
- PI 565634 **origin:** China. **origin institute id:** 116431. **cultivar:** HE DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 414. **other id:** MAC9192-5190. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565635 **origin:** China. **origin institute id:** 116432. **cultivar:** TAI AN MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 416. **other id:** MAC9192-5192. Cultivated. Seed.
- PI 565636 **origin:** China. **origin institute id:** 116438. **cultivar:** HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 424. **other id:** MAC9192-5204. Cultivated. Seed.
- PI 565637 **origin:** China. **origin institute id:** 116439. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 426. **other id:** MAC9192-5206. Cultivated. Seed.
- PI 565638 **origin:** China. **origin institute id:** 116440. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 428. **other id:** MAC9192-5208. Cultivated. Seed.
- PI 565639 **origin:** China. **origin institute id:** 116441. **cultivar:** WU MANG QING MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 429. **other id:** MAC9192-5210. Cultivated. Seed.
- PI 565640 **origin:** China. **origin institute id:** 116442. **cultivar:** YOU MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 430. **other id:** MAC9192-5212. Cultivated. Seed.
- PI 565641 **origin:** China. **origin institute id:** 116443. **cultivar:** MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 433. **other id:** MAC9192-5214. Cultivated. Seed.
- PI 565642 **origin:** China. **origin institute id:** 116444. **cultivar:** GONG DA TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 434. **other id:** MAC9192-5216. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565643 **origin:** China. **origin institute id:** 116447. **cultivar:** LIU LENG ZI GONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 439. **other id:** MAC9192-5222. Cultivated. Seed.
- PI 565644 **origin:** China. **origin institute id:** 116448. **cultivar:** NU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 441. **other id:** MAC9192-5224. Cultivated. Seed.
- PI 565645 **origin:** China. **origin institute id:** 116457. **cultivar:** BEN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 454. **other id:** MAC9192-5240. Cultivated. Seed.
- PI 565646 **origin:** China. **origin institute id:** 116459. **cultivar:** GONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 459. **other id:** MAC9192-5242. Cultivated. Seed.
- PI 565647 **origin:** China. **origin institute id:** 116460. **cultivar:** BAI GONG ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 460. **other id:** MAC9192-5244. Cultivated. Seed.
- PI 565648 **origin:** China. **origin institute id:** 116462. **cultivar:** HUI GONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 466. **other id:** MAC9192-5248. Cultivated. Seed.
- PI 565649 **origin:** China. **origin institute id:** 116463. **cultivar:** HUI GONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 467. **other id:** MAC9192-5250. Cultivated. Seed.
- PI 565650 **origin:** China. **origin institute id:** 116464. **cultivar:** TU TOU GONG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 468. **other id:** MAC9192-5252. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565651 **origin:** China. **origin institute id:** 116465. **cultivar:** CHANG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 470. **other id:** MAC9192-5254. Cultivated. Seed.
- PI 565652 **origin:** China. **origin institute id:** 116466. **cultivar:** LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 471. **other id:** MAC9192-5256. Cultivated. Seed.
- PI 565653 **origin:** China. **origin institute id:** 116467. **cultivar:** LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 472. **other id:** MAC9192-5258. Cultivated. Seed.
- PI 565654 **origin:** China. **origin institute id:** 116469. **cultivar:** TUO PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 474. **other id:** MAC9192-5262. Cultivated. Seed.
- PI 565655 **origin:** China. **origin institute id:** 116470. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 475. **other id:** MAC9192-5264. Cultivated. Seed.
- PI 565656 **origin:** China. **origin institute id:** 116477. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 486. **other id:** MAC9192-5276. Cultivated. Seed.
- PI 565657 **origin:** China. **origin institute id:** 116481. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 497. **other id:** MAC9192-5284. Cultivated. Seed.
- PI 565658 **origin:** China. **origin institute id:** 116482. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 498. **other id:** MAC9192-5286. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565659 **origin:** China. **origin institute id:** 116483. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 500. **other id:** MAC9192-5288. Cultivated. Seed.
- PI 565660 **origin:** China. **origin institute id:** 116484. **cultivar:** BAI MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 502. **other id:** MAC9192-5290. Cultivated. Seed.
- PI 565661 **origin:** China. **origin institute id:** 116487. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 508. **other id:** MAC9192-5294. Cultivated. Seed.
- PI 565662 **origin:** China. **origin institute id:** 116488. **cultivar:** BU DI TIAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 539. **other id:** MAC9192-5296. Cultivated. Seed.
- PI 565663 **origin:** China. **origin institute id:** 116489. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 570. **other id:** MAC9192-5298. Cultivated. Seed.
- PI 565664 **origin:** China. **origin institute id:** 116490. **cultivar:** CHANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 600. **other id:** MAC9192-5300. Cultivated. Seed.
- PI 565665 **origin:** China. **origin institute id:** 116492. **cultivar:** ZHANG DE PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 622. **other id:** MAC9192-5304. Cultivated. Seed.
- PI 565666 **origin:** China. **origin institute id:** 116493. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 637. **other id:** MAC9192-5306. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 565667 **origin:** China. **origin institute id:** 116497. **cultivar:** MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 715. **other id:** MAC9192-5312. Cultivated. Seed.
- PI 565668 **origin:** China. **origin institute id:** 116500. **cultivar:** LU REN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 831. **other id:** MAC9192-5318. Cultivated. Seed.
- PI 565669 **origin:** China. **origin institute id:** 116501. **cultivar:** LU REN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 833. **other id:** MAC9192-5320. Cultivated. Seed.
- PI 565670 **origin:** China. **origin institute id:** 116502. **cultivar:** QING LU REN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 834. **other id:** MAC9192-5322. Cultivated. Seed.
- PI 565671 **origin:** China. **origin institute id:** 116503. **cultivar:** LU REN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 841. **other id:** MAC9192-5324. Cultivated. Seed.
- PI 565672 **origin:** China. **origin institute id:** 116504. **cultivar:** LU REN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 842. **other id:** MAC9192-5326. Cultivated. Seed.
- PI 565673 **origin:** China. **origin institute id:** 116505. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 854. **other id:** MAC9192-5328. Cultivated. Seed.
- PI 565674 **origin:** China. **origin institute id:** 116506. **cultivar:** LU REN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 855. **other id:** MAC9192-5330. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565675 **origin:** China. **origin institute id:** 116507. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 857. **other id:** MAC9192-5332. **remarks:** Elevated hoods. Cultivated. Seed.
- PI 565676 **origin:** China. **origin institute id:** 116508. **cultivar:** LU REN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 859. **other id:** MAC9192-5334. Cultivated. Seed.
- PI 565677 **origin:** China. **origin institute id:** 116510. **cultivar:** LU REN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 861. **other id:** MAC9192-5338. Cultivated. Seed.
- PI 565678 **origin:** China. **origin institute id:** 116512. **cultivar:** HUO DENG MANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 867. **other id:** MAC9192-5342. **remarks:** Elevated hoods. Cultivated. Seed.
- PI 565679 **origin:** China. **origin institute id:** 116513. **cultivar:** TU LU REN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 868. **other id:** MAC9192-5344. **remarks:** Elevated hoods. Cultivated. Seed.
- PI 565680 **origin:** China. **origin institute id:** 116514. **cultivar:** NIU XIN SHAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 873. **other id:** MAC9192-5346. Cultivated. Seed.
- PI 565681 **origin:** China. **origin institute id:** 116515. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 876. **other id:** MAC9192-5348. Cultivated. Seed.
- PI 565682 **origin:** China. **origin institute id:** 116516. **cultivar:** NU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 877. **other id:** MAC9192-5350. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565683 **origin:** China. **origin institute id:** 116517. **cultivar:** LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 884. **other id:** MAC9192-5352. Cultivated. Seed.
- PI 565684 **origin:** China. **origin institute id:** 116518. **cultivar:** BAI PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 889. **other id:** MAC9192-5354. Cultivated. Seed.
- PI 565685 **origin:** China. **origin institute id:** 116519. **cultivar:** BAI MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 893. **other id:** MAC9192-5356. Cultivated. Seed.
- PI 565686 **origin:** China. **origin institute id:** 116520. **cultivar:** CHANG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 897. **other id:** MAC9192-5358. Cultivated. Seed.
- PI 565687 **origin:** China. **origin institute id:** 116521. **cultivar:** DUAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 898. **other id:** MAC9192-5360. Cultivated. Seed.
- PI 565688 **origin:** China. **origin institute id:** 116522. **cultivar:** DUAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 899. **other id:** MAC9192-5362. Cultivated. Seed.
- PI 565689 **origin:** China. **origin institute id:** 116523. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 900. **other id:** MAC9192-5364. Cultivated. Seed.
- PI 565690 **origin:** China. **origin institute id:** 116524. **cultivar:** DUAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 902. **other id:** MAC9192-5366. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565691 **origin:** China. **origin institute id:** 116525. **cultivar:** DUAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 904. **other id:** MAC9192-5368. Cultivated. Seed.
- PI 565692 **origin:** China. **origin institute id:** 116526. **cultivar:** DUAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 912. **other id:** MAC9192-5370. Cultivated. Seed.
- PI 565693 **origin:** China. **origin institute id:** 116528. **cultivar:** QING DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 954. **other id:** MAC9192-5372. Cultivated. Seed.
- PI 565694 **origin:** China. **origin institute id:** 116529. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 955. **other id:** MAC9192-5374. Cultivated. Seed.
- PI 565695 **origin:** China. **origin institute id:** 116531. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 957. **other id:** MAC9192-5378. Cultivated. Seed.
- PI 565696 **origin:** China. **origin institute id:** 116533. **cultivar:** SI LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 959. **other id:** MAC9192-5382. Cultivated. Seed.
- PI 565697 **origin:** China. **origin institute id:** 116534. **cultivar:** CHANG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 960. **other id:** MAC9192-5384. Cultivated. Seed.
- PI 565698 **origin:** China. **origin institute id:** 116536. **cultivar:** CHANG MANG 3. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 963. **other id:** MAC9192-5388. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565699 **origin:** China. **origin institute id:** 116537. **cultivar:** LAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 964. **other id:** MAC9192-5390. Cultivated. Seed.
- PI 565700 **origin:** China. **origin institute id:** 116538. **cultivar:** CHANG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 967. **other id:** MAC9192-5392. Cultivated. Seed.
- PI 565701 **origin:** China. **origin institute id:** 116539. **cultivar:** DAI PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 968. **other id:** MAC9192-5394. Cultivated. Seed.
- PI 565702 **origin:** China. **origin institute id:** 116540. **cultivar:** LAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 969. **other id:** MAC9192-5396. Cultivated. Seed.
- PI 565703 **origin:** China. **origin institute id:** 116541. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 971. **other id:** MAC9192-5398. Cultivated. Seed.
- PI 565704 **origin:** China. **origin institute id:** 116542. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 972. **other id:** MAC9192-5400. Cultivated. Seed.
- PI 565705 **origin:** China. **origin institute id:** 116543. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 973. **other id:** MAC9192-5402. Cultivated. Seed.
- PI 565706 **origin:** China. **origin institute id:** 116544. **cultivar:** KE DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 975. **other id:** MAC9192-5404. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565707 **origin:** China. **origin institute id:** 116546. **cultivar:** SAN YUE HUANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 983. **other id:** MAC9192-5408. Cultivated. Seed.
- PI 565708 **origin:** China. **origin institute id:** 116547. **cultivar:** BAI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1045. **other id:** MAC9192-5410. Cultivated. Seed.
- PI 565709 **origin:** China. **origin institute id:** 116548. **cultivar:** MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1054. **other id:** MAC9192-5412. Cultivated. Seed.
- PI 565710 **origin:** China. **origin institute id:** 116549. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1072. **other id:** MAC9192-5414. Cultivated. Seed.
- PI 565711 **origin:** China. **origin institute id:** 116550. **cultivar:** HUO SHAO TOU LU REN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1075. **other id:** MAC9192-5416. Cultivated. Seed.
- PI 565712 **origin:** China. **origin institute id:** 116551. **cultivar:** JIU LU REN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1079. **other id:** MAC9192-5418. Cultivated. Seed.
- PI 565713 **origin:** China. **origin institute id:** 116552. **cultivar:** DUAN MANG QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1081. **other id:** MAC9192-5420. **remarks:** Elevated hoods. Cultivated. Seed.
- PI 565714 **origin:** China. **origin institute id:** 116553. **cultivar:** GUANG NAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1088. **other id:** MAC9192-5422. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565715 **origin:** China. **origin institute id:** 116554. **cultivar:** QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1093. **other id:** MAC9192-5424. Cultivated. Seed.
- PI 565716 **origin:** China. **origin institute id:** 116555. **cultivar:** CHANG MANG LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1094. **other id:** MAC9192-5426. Cultivated. Seed.
- PI 565717 **origin:** China. **origin institute id:** 116556. **cultivar:** 3120. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1155. **other id:** MAC9192-5428. Cultivated. Seed.
- PI 565718 **origin:** China. **origin institute id:** 116557. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1156. **other id:** MAC9192-5430. **other id:** 6028-2. Cultivated. Seed.
- PI 565719 **origin:** China. **origin institute id:** 116564. **cultivar:** LA LIN PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1172. **other id:** MAC9192-5444. Cultivated. Seed.
- PI 565720 **origin:** China. **origin institute id:** 116565. **cultivar:** NING AN PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1173. **other id:** MAC9192-5446. Cultivated. Seed.
- PI 565721 **origin:** China. **origin institute id:** 116566. **cultivar:** NING AN PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1174. **other id:** MAC9192-5448. Cultivated. Seed.
- PI 565722 **origin:** China. **origin institute id:** 116572. **cultivar:** DONG NING PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1180. **other id:** MAC9192-5458. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565723 **origin:** China. **origin institute id:** 116574. **cultivar:** DONG NING PI 3-1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1182. **other id:** MAC9192-5462. Cultivated. Seed.
- PI 565724 **origin:** China. **origin institute id:** 116575. **cultivar:** DONG NING PI 3-2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1183. **other id:** MAC9192-5464. Cultivated. Seed.
- PI 565725 **origin:** China. **origin institute id:** 116576. **cultivar:** DONG NING PI 4 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1184. **other id:** MAC9192-5466. Cultivated. Seed.
- PI 565726 **origin:** China. **origin institute id:** 116578. **cultivar:** DONG NING PI 6 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1186. **other id:** MAC9192-5470. Cultivated. Seed.
- PI 565727 **origin:** China. **origin institute id:** 116579. **cultivar:** DONG NING PI 7 HAO-1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1187. **other id:** MAC9192-5472. Cultivated. Seed.
- PI 565728 **origin:** China. **origin institute id:** 116580. **cultivar:** DONG NING PI 7 HAO-2. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1188. **other id:** MAC9192-5474. Cultivated. Seed.
- PI 565729 **origin:** China. **origin institute id:** 116581. **cultivar:** HAI LIN PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1189. **other id:** MAC9192-5476. Cultivated. Seed.
- PI 565730 **origin:** China. **origin institute id:** 116583. **cultivar:** LIN KOU PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1191. **other id:** MAC9192-5480. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 565731 **origin:** China. **origin institute id:** 116584. **cultivar:** MU LENG PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1192. **other id:** MAC9192-5482. Cultivated. Seed.
- PI 565732 **origin:** China. **origin institute id:** 116585. **cultivar:** MU LENG PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1193. **other id:** MAC9192-5484. Cultivated. Seed.
- PI 565733 **origin:** China. **origin institute id:** 116587. **cultivar:** MU LENG PI 4 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1195. **other id:** MAC9192-5488. Cultivated. Seed.
- PI 565734 **origin:** China. **origin institute id:** 116588. **cultivar:** MU LENG PI 5 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1196. **other id:** MAC9192-5490. Cultivated. Seed.
- PI 565735 **origin:** China. **origin institute id:** 116589. **cultivar:** MU LENG PI 6 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1197. **other id:** MAC9192-5492. Cultivated. Seed.
- PI 565736 **origin:** China. **origin institute id:** 116590. **cultivar:** MU LENG PI 7 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1198. **other id:** MAC9192-5494. Cultivated. Seed.
- PI 565737 **origin:** China. **origin institute id:** 116593. **cultivar:** BAO QING PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1201. **other id:** MAC9192-5500. Cultivated. Seed.
- PI 565738 **origin:** China. **origin institute id:** 116594. **cultivar:** MI SHAM PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1202. **other id:** MAC9192-5502. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565739 **origin:** China. **origin institute id:** 116596. **cultivar:** ZHAO DONG PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1204. **other id:** MAC9192-5506. Cultivated. Seed.
- PI 565740 **origin:** China. **origin institute id:** 116597. **cultivar:** ZHAO DONG PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1205. **other id:** MAC9192-5508. Cultivated. Seed.
- PI 565741 **origin:** China. **origin institute id:** 116598. **cultivar:** HU LAN PI 1-1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1206. **other id:** MAC9192-5510. Cultivated. Seed.
- PI 565742 **origin:** China. **origin institute id:** 116599. **cultivar:** HU LAN PI 1-2. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1207. **other id:** MAC9192-5512. Cultivated. Seed.
- PI 565743 **origin:** China. **origin institute id:** 116600. **cultivar:** HU LAN PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1208. **other id:** MAC9192-5514. Cultivated. Seed.
- PI 565744 **origin:** China. **origin institute id:** 116601. **cultivar:** HU LAN PI 3 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1209. **other id:** MAC9192-5516. Cultivated. Seed.
- PI 565745 **origin:** China. **origin institute id:** 116603. **cultivar:** HU LAN PI 4-2. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1211. **other id:** MAC9192-5520. Cultivated. Seed.
- PI 565746 **origin:** China. **origin institute id:** 116606. **cultivar:** BA YAN 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1214. **other id:** MAC9192-5526. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565747 **origin:** China. **origin institute id:** 116607. **cultivar:** BA YAN 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1215. **other id:** MAC9192-5528. Cultivated. Seed.
- PI 565748 **origin:** China. **origin institute id:** 116608. **cultivar:** BA YAN 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1216. **other id:** MAC9192-5530. Cultivated. Seed.
- PI 565749 **origin:** China. **origin institute id:** 116609. **cultivar:** MU LAN PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1217. **other id:** MAC9192-5532. Cultivated. Seed.
- PI 565750 **origin:** China. **origin institute id:** 116610. **cultivar:** MU LAN PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1218. **other id:** MAC9192-5534. Cultivated. Seed.
- PI 565751 **origin:** China. **origin institute id:** 116611. **cultivar:** AN DA PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1219. **other id:** MAC9192-5536. Cultivated. Seed.
- PI 565752 **origin:** China. **origin institute id:** 116612. **cultivar:** AN DA PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1220. **other id:** MAC9192-5538. Cultivated. Seed.
- PI 565753 **origin:** China. **origin institute id:** 116613. **cultivar:** AN DA PI 3 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1221. **other id:** MAC9192-5540. Cultivated. Seed.
- PI 565754 **origin:** China. **origin institute id:** 116614. **cultivar:** LIN DIAN PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1222. **other id:** MAC9192-5542. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565755 **origin:** China. **origin institute id:** 116615. **cultivar:** LIN DIAO PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1223. **other id:** MAC9192-5544. Cultivated. Seed.
- PI 565756 **origin:** China. **origin institute id:** 116616. **cultivar:** NE HE DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1224. **other id:** MAC9192-5546. Cultivated. Seed.
- PI 565757 **origin:** China. **origin institute id:** 116617. **cultivar:** NEN JIANG PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1225. **other id:** MAC9192-5548. Cultivated. Seed.
- PI 565758 **origin:** China. **origin institute id:** 116618. **cultivar:** NEN JIANG PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1226. **other id:** MAC9192-5550. Cultivated. Seed.
- PI 565759 **origin:** China. **origin institute id:** 116619. **cultivar:** NE JIANG SAN QU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1227. **other id:** MAC9192-5552. Cultivated. Seed.
- PI 565760 **origin:** China. **origin institute id:** 116620. **cultivar:** NEN JIANG DA NMAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1228. **other id:** MAC9192-5554. Cultivated. Seed.
- PI 565761 **origin:** China. **origin institute id:** 116621. **cultivar:** NEN JIANG SHI QU DA NAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1229. **other id:** MAC9192-5556. Cultivated. Seed.
- PI 565762 **origin:** China. **origin institute id:** 116623. **cultivar:** SUI HUA PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1231. **other id:** MAC9192-5560. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565763 **origin:** China. **origin institute id:** 116624. **cultivar:** SUI HUA PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1232. **other id:** MAC9192-5562. Cultivated. Seed.
- PI 565764 **origin:** China. **origin institute id:** 116626. **cultivar:** HAI LUN PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1234. **other id:** MAC9192-5566. Cultivated. Seed.
- PI 565765 **origin:** China. **origin institute id:** 116627. **cultivar:** HAI LUN PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1235. **other id:** MAC9192-5568. Cultivated. Seed.
- PI 565766 **origin:** China. **origin institute id:** 116628. **cultivar:** HAI LUN PI 4 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1236. **other id:** MAC9192-5570. Cultivated. Seed.
- PI 565767 **origin:** China. **origin institute id:** 116629. **cultivar:** HAI LUN PI 5 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1237. **other id:** MAC9192-5572. Cultivated. Seed.
- PI 565768 **origin:** China. **origin institute id:** 116630. **cultivar:** HAI LUN PI 6 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1238. **other id:** MAC9192-5574. Cultivated. Seed.
- PI 565769 **origin:** China. **origin institute id:** 116631. **cultivar:** HAI LUN PI 7 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1239. **other id:** MAC9192-5576. Cultivated. Seed.
- PI 565770 **origin:** China. **origin institute id:** 116632. **cultivar:** HAI LUN PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1240. **other id:** MAC9192-5578. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565771 **origin:** China. **origin institute id:** 116633. **cultivar:** TONG BEI PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1241. **other id:** MAC9192-5580. Cultivated. Seed.
- PI 565772 **origin:** China. **origin institute id:** 116635. **cultivar:** KE SHAN PI 1-2. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1243. **other id:** MAC9192-5584. Cultivated. Seed.
- PI 565773 **origin:** China. **origin institute id:** 116636. **cultivar:** KE SHAN PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1244. **other id:** MAC9192-5586. Cultivated. Seed.
- PI 565774 **origin:** China. **origin institute id:** 116637. **cultivar:** KE SHAN PI 3 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1245. **other id:** MAC9192-5588. Cultivated. Seed.
- PI 565775 **origin:** China. **origin institute id:** 116641. **cultivar:** KE SHAN XI LIAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1249. **other id:** MAC9192-5596. Cultivated. Seed.
- PI 565776 **origin:** China. **origin institute id:** 116646. **cultivar:** HUA CHUAN PI 3 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1254. **other id:** MAC9192-5606. Cultivated. Seed.
- PI 565777 **origin:** China. **origin institute id:** 116647. **cultivar:** JIA MUSI PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1255. **other id:** MAC9192-5608. Cultivated. Seed.
- PI 565778 **origin:** China. **origin institute id:** 116648. **cultivar:** JIA MUSI PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1256. **other id:** MAC9192-5610. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565779 **origin:** China. **origin institute id:** 116649. **cultivar:** LUO BEI PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1257. **other id:** MAC9192-5612. Cultivated. Seed.
- PI 565780 **origin:** China. **origin institute id:** 116650. **cultivar:** FU JIN PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1258. **other id:** MAC9192-5614. Cultivated. Seed.
- PI 565781 **origin:** China. **origin institute id:** 116651. **cultivar:** FU JIN PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1259. **other id:** MAC9192-5616. Cultivated. Seed.
- PI 565782 **origin:** China. **origin institute id:** 116652. **cultivar:** FU JIN PI 3 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1260. **other id:** MAC9192-5618. Cultivated. Seed.
- PI 565783 **origin:** China. **origin institute id:** 116653. **cultivar:** FU JIN PI 4 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1261. **other id:** MAC9192-5620. Cultivated. Seed.
- PI 565784 **origin:** China. **origin institute id:** 116654. **cultivar:** FU JIN PI 5 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1262. **other id:** MAC9192-5622. Cultivated. Seed.
- PI 565785 **origin:** China. **origin institute id:** 116655. **cultivar:** FUA CHUAN PI 3 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1263. **other id:** MAC9192-5624. Cultivated. Seed.
- PI 565786 **origin:** China. **origin institute id:** 116656. **cultivar:** HUA CHUAN PI 4 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1264. **other id:** MAC9192-5626. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565787 **origin:** China. **origin institute id:** 116657. **cultivar:** KE SHAN XI CHENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1265. **other id:** MAC9192-5628. Cultivated. Seed.
- PI 565788 **origin:** China. **origin institute id:** 116659. **cultivar:** KE SHAN CHENG JIAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1267. **other id:** MAC9192-5632. Cultivated. Seed.
- PI 565789 **origin:** China. **origin institute id:** 116661. **cultivar:** BAI QUAN PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1269. **other id:** MAC9192-5636. Cultivated. Seed.
- PI 565790 **origin:** China. **origin institute id:** 116662. **cultivar:** BAI QUAN PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1270. **other id:** MAC9192-5638. Cultivated. Seed.
- PI 565791 **origin:** China. **origin institute id:** 116663. **cultivar:** BAI QUAN PI 3 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1271. **other id:** MAC9192-5640. Cultivated. Seed.
- PI 565792 **origin:** China. **origin institute id:** 116664. **cultivar:** BAI QUAN PI 4 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1272. **other id:** MAC9192-5642. Cultivated. Seed.
- PI 565793 **origin:** China. **origin institute id:** 116665. **cultivar:** BAI QUAN PI 5 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1273. **other id:** MAC9192-5644. Cultivated. Seed.
- PI 565794 **origin:** China. **origin institute id:** 116666. **cultivar:** BAI QUAN PI 6 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1274. **other id:** MAC9192-5646. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 565795 **origin:** China. **origin institute id:** 116668. **cultivar:** BAI QUAN PI 8 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1276. **other id:** MAC9192-5650. Cultivated. Seed.
- PI 565796 **origin:** China. **origin institute id:** 116669. **cultivar:** BAI QUAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1277. **other id:** MAC9192-5652. Cultivated. Seed.
- PI 565797 **origin:** China. **origin institute id:** 116670. **cultivar:** BEI AN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1278. **other id:** MAC9192-5654. Cultivated. Seed.
- PI 565798 **origin:** China. **origin institute id:** 116671. **cultivar:** DE DU PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1280. **other id:** MAC9192-5656. Cultivated. Seed.
- PI 565799 **origin:** China. **origin institute id:** 116672. **cultivar:** DE DU PI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1281. **other id:** MAC9192-5658. Cultivated. Seed.
- PI 565800 **origin:** China. **origin institute id:** 116674. **cultivar:** TEI LI PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1283. **other id:** MAC9192-5662. Cultivated. Seed.
- PI 565801 **origin:** China. **origin institute id:** 116675. **cultivar:** YI LAN PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1284. **other id:** MAC9192-5664. Cultivated. Seed.
- PI 565802 **origin:** China. **origin institute id:** 116677. **cultivar:** BO LI PI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1286. **other id:** MAC9192-5668. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565803 **origin:** China. **origin institute id:** 116679. **cultivar:** NING AN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1279. **other id:** MAC9192-5672. Cultivated. Seed.
- PI 565804 **origin:** China. **origin institute id:** 116680. **cultivar:** FU YING. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1289. **other id:** MAC9192-5674. Cultivated. Seed.
- PI 565805 **origin:** China. **origin institute id:** 116681. **cultivar:** FU RUI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1290. **other id:** MAC9192-5676. Cultivated. Seed.
- PI 565806 **origin:** China. **origin institute id:** 116682. **cultivar:** MAO MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1292. **other id:** MAC9192-5678. Cultivated. Seed.
- PI 565807 **origin:** China. **origin institute id:** 116683. **cultivar:** SAN CHA HE 7853-8. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1293. **other id:** MAC9192-5680. Cultivated. Seed.
- PI 565808 **origin:** China. **origin institute id:** 116684. **cultivar:** GOU WEI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1294. **other id:** MAC9192-5682. Cultivated. Seed.
- PI 565809 **origin:** China. **origin institute id:** 116685. **cultivar:** HE YOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1295. **other id:** MAC9192-5684. Cultivated. Seed.
- PI 565810 **origin:** China. **origin institute id:** 116686. **cultivar:** TONG HE QING HE DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1296. **other id:** MAC9192-5686. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565811 **origin:** China. **origin institute id:** 116687. **cultivar:** TONG BEI JIAN SHE DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1297. **other id:** MAC9192-5688. Cultivated. Seed.
- PI 565812 **origin:** China. **origin institute id:** 116688. **cultivar:** LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1300. **other id:** MAC9192-5690. Cultivated. Seed.
- PI 565813 **origin:** China. **origin institute id:** 116689. **cultivar:** PANG NA. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1301. **other id:** MAC9192-5692. Cultivated. Seed.
- PI 565814 **origin:** China. **origin institute id:** 116691. **cultivar:** HAI LUN LUO 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1305. **other id:** MAC9192-5694. Cultivated. Seed.
- PI 565815 **origin:** China. **origin institute id:** 116692. **cultivar:** HAI LUN LUO 3 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1306. **other id:** MAC9192-5696. Cultivated. Seed.
- PI 565816 **origin:** China. **origin institute id:** 116693. **cultivar:** MU LAN LUO 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1307. **other id:** MAC9192-5698. Cultivated. Seed.
- PI 565817 **origin:** China. **origin institute id:** 116698. **cultivar:** WAN NENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1337. **other id:** MAC9192-5706. Cultivated. Seed.
- PI 565818 **origin:** China. **origin institute id:** 116699. **cultivar:** XIANG XUAN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1339. **other id:** MAC9192-5708. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565819 **origin:** China. **origin institute id:** 116700. **cultivar:** YANG DA LI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1340. **other id:** MAC9192-5710. Cultivated. Seed.
- PI 565820 **origin:** China. **origin institute id:** 116701. **cultivar:** XI FENG PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1341. **other id:** MAC9192-5712. Cultivated. Seed.
- PI 565821 **origin:** China. **origin institute id:** 116702. **cultivar:** DA QING MANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1342. **other id:** MAC9192-5714. Cultivated. Seed.
- PI 565822 **origin:** China. **origin institute id:** 116703. **cultivar:** KANG PING DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1345. **other id:** MAC9192-5716. Cultivated. Seed.
- PI 565823 **origin:** China. **origin institute id:** 116704. **cultivar:** YING KOU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1346. **other id:** MAC9192-5718. Cultivated. Seed.
- PI 565824 **origin:** China. **origin institute id:** 116705. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1348. **other id:** MAC9192-5720. Cultivated. Seed.
- PI 565825 **origin:** China. **origin institute id:** 116706. **cultivar:** LIAO YANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1349. **other id:** MAC9192-5722. Cultivated. Seed.
- PI 565826 **origin:** China. **origin institute id:** 116707. **cultivar:** LIAO YANG ZAI LAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1350. **other id:** MAC9192-5724. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565827 **origin:** China. **origin institute id:** 116708. **cultivar:** LIAO YANG NONG ZHONG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1351. **other id:** MAC9192-5726. Cultivated. Seed.
- PI 565828 **origin:** China. **origin institute id:** 116709. **cultivar:** LIAO YANG PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1352. **other id:** MAC9192-5728. Cultivated. Seed.
- PI 565829 **origin:** China. **origin institute id:** 116710. **cultivar:** FU YANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1356. **other id:** MAC9192-5730. Cultivated. Seed.
- PI 565830 **origin:** China. **origin institute id:** 116711. **cultivar:** FA KU PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1358. **other id:** MAC9192-5732. Cultivated. Seed.
- PI 565831 **origin:** China. **origin institute id:** 116716. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1363. **other id:** MAC9192-5742. **other id:** 170. Cultivated. Seed.
- PI 565832 **origin:** China. **origin institute id:** 116717. **cultivar:** CHI FING HEI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1364. **other id:** MAC9192-5744. Cultivated. Seed.
- PI 565833 **origin:** China. **origin institute id:** 116718. **cultivar:** NING CHENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1365. **other id:** MAC9192-5746. Cultivated. Seed.
- PI 565834 **origin:** China. **origin institute id:** 116719. **cultivar:** NING CHENG BAI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1366. **other id:** MAC9192-5748. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565835 **origin:** China. **origin institute id:** 116720. **cultivar:** NING CHENG ZAO SHOU MANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1367. **other id:** MAC9192-5750. Cultivated. Seed.
- PI 565836 **origin:** China. **origin institute id:** 116721. **cultivar:** NING CHENG DA MAI 2. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1368. **other id:** MAC9192-5752. Cultivated. Seed.
- PI 565837 **origin:** China. **origin institute id:** 116722. **cultivar:** NANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1369. **other id:** MAC9192-5754. Cultivated. Seed.
- PI 565838 **origin:** China. **origin institute id:** 116723. **cultivar:** XI FENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1370. **other id:** MAC9192-5756. Cultivated. Seed.
- PI 565839 **origin:** China. **origin institute id:** 116725. **cultivar:** YING KOU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1372. **other id:** MAC9192-5758. Cultivated. Seed.
- PI 565840 **origin:** China. **origin institute id:** 116727. **cultivar:** YAI AN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1375. **other id:** MAC9192-5760. Cultivated. Seed.
- PI 565841 **origin:** China. **origin institute id:** 116728. **cultivar:** DA BAI MANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1376. **other id:** MAC9192-5762. Cultivated. Seed.
- PI 565842 **origin:** China. **origin institute id:** 116729. **cultivar:** QAN SHAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1377. **other id:** MAC9192-5764. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565843 **origin:** China. **origin institute id:** 116730. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1378. **other id:** MAC9192-5766. **other id:** 544. Cultivated. Seed.
- PI 565844 **origin:** China. **origin institute id:** 116731. **cultivar:** KA ZUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1379. **other id:** MAC9192-5768. Cultivated. Seed.
- PI 565845 **origin:** China. **origin institute id:** 116732. **cultivar:** LIAO ZHONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1380. **other id:** MAC9192-5770. Cultivated. Seed.
- PI 565846 **origin:** China. **origin institute id:** 116737. **cultivar:** YANG DENG XIAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1449. **other id:** MAC9192-5778. Cultivated. Seed.
- PI 565847 **origin:** China. **origin institute id:** 116738. **cultivar:** DANG CHANG CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1450. **other id:** MAC9192-5780. Cultivated. Seed.
- PI 565848 **origin:** China. **origin institute id:** 116739. **cultivar:** ZHUANG LANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1452. **other id:** MAC9192-5782. Cultivated. Seed.
- PI 565849 **origin:** China. **origin institute id:** 116742. **cultivar:** DING XI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1456. **other id:** MAC9192-5784. Cultivated. Seed.
- PI 565850 **origin:** China. **origin institute id:** 116743. **cultivar:** CHENG XIAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1457. **other id:** MAC9192-5786. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565851 **origin:** China. **origin institute id:** 116744. **cultivar:** PING LIANG CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1458. **other id:** MAC9192-5788. Cultivated. Seed.
- PI 565852 **origin:** China. **origin institute id:** 116745. **cultivar:** PING LIANG DONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1459. **other id:** MAC9192-5790. Cultivated. Seed.
- PI 565853 **origin:** China. **origin institute id:** 116746. **cultivar:** CHONG XIN CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1460. **other id:** MAC9192-5792. Cultivated. Seed.
- PI 565854 **origin:** China. **origin institute id:** 116747. **cultivar:** CHING XIN DONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1461. **other id:** MAC9192-5794. Cultivated. Seed.
- PI 565855 **origin:** China. **origin institute id:** 116748. **cultivar:** ZHEN YUAN DONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1462. **other id:** MAC9192-5796. Cultivated. Seed.
- PI 565856 **origin:** China. **origin institute id:** 116749. **cultivar:** SHAN DAN BLENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1463. **other id:** MAC9192-5798. Cultivated. Seed.
- PI 565857 **origin:** China. **origin institute id:** 116750. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1464. **other id:** MAC9192-5800. Cultivated. Seed.
- PI 565858 **origin:** China. **origin institute id:** 116751. **cultivar:** YONG DENG XIAN BAI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1465. **other id:** MAC9192-5802. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 565859 **origin:** China. **origin institute id:** 116752. **cultivar:** LIU LENG TOU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1466. **other id:** MAC9192-5804. Cultivated. Seed.
- PI 565860 **origin:** China. **origin institute id:** 116754. **cultivar:** CHANG MANG QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1468. **other id:** MAC9192-5806. Cultivated. Seed.
- PI 565861 **origin:** China. **origin institute id:** 116758. **cultivar:** LU QU ZI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1472. **other id:** MAC9192-5814. Cultivated. Seed.
- PI 565862 **origin:** China. **origin institute id:** 116759. **cultivar:** TU FOMG ZI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1473. **other id:** MAC9192-5816. Cultivated. Seed.
- PI 565863 **origin:** China. **origin institute id:** 116760. **cultivar:** ZHOU QU CHUN QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1475. **other id:** MAC9192-5818. Cultivated. Seed.
- PI 565864 **origin:** China. **origin institute id:** 116761. **cultivar:** DANG CHANG QING KE LAN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1476. **other id:** MAC9192-5820. Cultivated. Seed.
- PI 565865 **origin:** China. **origin institute id:** 116763. **cultivar:** ZHUANG LANG QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1478. **other id:** MAC9192-5824. Cultivated. Seed.
- PI 565866 **origin:** China. **origin institute id:** 116764. **cultivar:** ZHANG YE CHUN QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1479. **other id:** MAC9192-5826. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565867 **origin:** China. **origin institute id:** 116765. **cultivar:** MU DAN QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1481. **other id:** MAC9192-5828. Cultivated. Seed.
- PI 565868 **origin:** China. **origin institute id:** 116766. **cultivar:** YU ZHONG QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1482. **other id:** MAC9192-5830. Cultivated. Seed.
- PI 565869 **origin:** China. **origin institute id:** 116767. **cultivar:** ZI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1483. **other id:** MAC9192-5832. Cultivated. Seed.
- PI 565870 **origin:** China. **origin institute id:** 116768. **cultivar:** MIN XIAN QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1484. **other id:** MAC9192-5834. Cultivated. Seed.
- PI 565871 **origin:** China. **origin institute id:** 116769. **cultivar:** ZHANG XIAN QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1485. **other id:** MAC9192-5836. Cultivated. Seed.
- PI 565872 **origin:** China. **origin institute id:** 116770. **cultivar:** ZHANG XIAN CHAN QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1486. **other id:** MAC9192-5838. Cultivated. Seed.
- PI 565873 **origin:** China. **origin institute id:** 116771. **cultivar:** GU LANG QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1489. **other id:** MAC9192-5840. Cultivated. Seed.
- PI 565874 **origin:** China. **origin institute id:** 116772. **cultivar:** OU WA QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1491. **other id:** MAC9192-5842. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565875 **origin:** China. **origin institute id:** 116777. **cultivar:** XIAO LI MANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1899. **other id:** MAC9192-5850. Cultivated. Seed.
- PI 565876 **origin:** China. **origin institute id:** 116780. **cultivar:** XIN MAI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1912. **other id:** MAC9192-5852. Cultivated. Seed.
- PI 565877 **origin:** China. **origin institute id:** 116781. **cultivar:** XIN MAI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1913. **other id:** MAC9192-5854. Cultivated. Seed.
- PI 565878 **origin:** China. **origin institute id:** 116784. **cultivar:** WU MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2014. **other id:** MAC9192-5858. Cultivated. Seed.
- PI 565879 **origin:** China. **origin institute id:** 116785. **cultivar:** LIU LENG ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2041. **other id:** MAC9192-5860. Cultivated. Seed.
- PI 565880 **origin:** China. **origin institute id:** 116786. **cultivar:** CHANG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2047. **other id:** MAC9192-5862. Cultivated. Seed.
- PI 565881 **origin:** China. **origin institute id:** 116787. **cultivar:** DA LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2056. **other id:** MAC9192-5864. Cultivated. Seed.
- PI 565882 **origin:** China. **origin institute id:** 116788. **cultivar:** LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2057. **other id:** MAC9192-5866. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565883 **origin:** China. **origin institute id:** 116789. **cultivar:** LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2058. **other id:** MAC9192-5868. Cultivated. Seed.
- PI 565884 **origin:** China. **origin institute id:** 116790. **cultivar:** LAO LAI GUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2062. **other id:** MAC9192-5870. Cultivated. Seed.
- PI 565885 **origin:** China. **origin institute id:** 116791. **cultivar:** CHUAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2066. **other id:** MAC9192-5872. Cultivated. Seed.
- PI 565886 **origin:** China. **origin institute id:** 116792. **cultivar:** NAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2071. **other id:** MAC9192-5874. Cultivated. Seed.
- PI 565887 **origin:** China. **origin institute id:** 116793. **cultivar:** TUAN LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2076. **other id:** MAC9192-5876. Cultivated. Seed.
- PI 565888 **origin:** China. **origin institute id:** 116794. **cultivar:** ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2081. **other id:** MAC9192-5878. Cultivated. Seed.
- PI 565889 **origin:** China. **origin institute id:** 116798. **cultivar:** ZI GAN LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2100. **other id:** MAC9192-5886. Cultivated. Seed.
- PI 565890 **origin:** China. **origin institute id:** 116799. **cultivar:** ZI GAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2108. **other id:** MAC9192-5888. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565891 **origin:** China. **origin institute id:** 116800. **cultivar:** ZI LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2109. **other id:** MAC9192-5890. Cultivated. Seed.
- PI 565892 **origin:** China. **origin institute id:** 116801. **cultivar:** ZI GAN ER. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2110. **other id:** MAC9192-5892. Cultivated. Seed.
- PI 565893 **origin:** China. **origin institute id:** 116802. **cultivar:** ZI GUO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2111. **other id:** MAC9192-5894. Cultivated. Seed.
- PI 565894 **origin:** China. **origin institute id:** 116803. **cultivar:** QING MANG ZAO WU TIAN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2114. **other id:** MAC9192-5896. Cultivated. Seed.
- PI 565895 **origin:** China. **origin institute id:** 116805. **cultivar:** LIU LENG ZI GAN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2118. **other id:** MAC9192-5898. Cultivated. Seed.
- PI 565896 **origin:** China. **origin institute id:** 116806. **cultivar:** WAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2121. **other id:** MAC9192-5900. Cultivated. Seed.
- PI 565897 **origin:** China. **origin institute id:** 116810. **cultivar:** TAI ZHOU LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2142. **other id:** MAC9192-5902. Cultivated. Seed.
- PI 565898 **origin:** China. **origin institute id:** 116811. **cultivar:** ZI LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2146. **other id:** MAC9192-5904. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565899 **origin:** China. **origin institute id:** 116812. **cultivar:** TAI XING ZI LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2147. **other id:** MAC9192-5906. Cultivated. Seed.
- PI 565900 **origin:** China. **origin institute id:** 116813. **cultivar:** YANG ZHOU 27 LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2151. **other id:** MAC9192-5908. Cultivated. Seed.
- PI 565901 **origin:** China. **origin institute id:** 116814. **cultivar:** YOU MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2174. **other id:** MAC9192-5910. Cultivated. Seed.
- PI 565902 **origin:** China. **origin institute id:** 116815. **cultivar:** BAI LIU ZHU TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2180. **other id:** MAC9192-5912. Cultivated. Seed.
- PI 565903 **origin:** China. **origin institute id:** 116817. **cultivar:** YANG WEI ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2206. **other id:** MAC9192-5914. Cultivated. Seed.
- PI 565904 **origin:** China. **origin institute id:** 116828. **cultivar:** ZI GUO ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2344. **other id:** MAC9192-5922. Cultivated. Seed.
- PI 565905 **origin:** China. **origin institute id:** 116834. **cultivar:** JIANG DU SI LENG ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2370. **other id:** MAC9192-5924. Cultivated. Seed.
- PI 565906 **origin:** China. **origin institute id:** 116836. **cultivar:** NAN JING DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2383. **other id:** MAC9192-5926. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565907 **origin:** China. **origin institute id:** 116838. **cultivar:** TU TOU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2416. **other id:** MAC9192-5928. Cultivated. Seed.
- PI 565908 **origin:** China. **origin institute id:** 116840. **cultivar:** BIN HAI LAO LAI GUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2421. **other id:** MAC9192-5930. Cultivated. Seed.
- PI 565909 **origin:** China. **origin institute id:** 116841. **cultivar:** FU NING BAI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2423. **other id:** MAC9192-5932. Cultivated. Seed.
- PI 565910 **origin:** China. **origin institute id:** 116842. **cultivar:** HAI AN ZI GAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2439. **other id:** MAC9192-5934. Cultivated. Seed.
- PI 565911 **origin:** China. **origin institute id:** 116843. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2441. **other id:** MAC9192-5936. Cultivated. Seed.
- PI 565912 **origin:** China. **origin institute id:** 116844. **cultivar:** LAO LAI GUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2446. **other id:** MAC9192-5938. Cultivated. Seed.
- PI 565913 **origin:** China. **origin institute id:** 116845. **cultivar:** LU DONG WAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2451. **other id:** MAC9192-5940. Cultivated. Seed.
- PI 565914 **origin:** China. **origin institute id:** 116846. **cultivar:** BEN LENG LENG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2453. **other id:** MAC9192-5942. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565915 **origin:** China. **origin institute id:** 116847. **cultivar:** GAO CHUN LIU MAIN TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2460. **other id:** MAC9192-5944. Cultivated. Seed.
- PI 565916 **origin:** China. **origin institute id:** 116848. **cultivar:** 281 DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2462. **other id:** MAC9192-5946. Cultivated. Seed.
- PI 565917 **origin:** China. **origin institute id:** 116849. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2471. **other id:** MAC9192-5948. **other id:** 76-25. Cultivated. Seed.
- PI 565918 **origin:** China. **origin institute id:** 116850. **cultivar:** JING DA 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2472. **other id:** MAC9192-5950. Cultivated. Seed.
- PI 565919 **origin:** China. **origin institute id:** 116854. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2489. **other id:** MAC9192-5958. Cultivated. Seed.
- PI 565920 **origin:** China. **origin institute id:** 116855. **cultivar:** SHANG HAI SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2491. **other id:** MAC9192-5960. Cultivated. Seed.
- PI 565921 **origin:** China. **origin institute id:** 116856. **cultivar:** SHANG HAI SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2492. **other id:** MAC9192-5962. Cultivated. Seed.
- PI 565922 **origin:** China. **origin institute id:** 116857. **cultivar:** BAO SHAN SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2493. **other id:** MAC9192-5964. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 565923 **origin:** China. **origin institute id:** 116858. **cultivar:** HONG SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2494. **other id:** MAC9192-5966. Cultivated. Seed.
- PI 565924 **origin:** China. **origin institute id:** 116860. **cultivar:** HUO SHAO TOU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2497. **other id:** MAC9192-5968. Cultivated. Seed.
- PI 565925 **origin:** China. **origin institute id:** 116861. **cultivar:** ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2498. **other id:** MAC9192-5970. Cultivated. Seed.
- PI 565926 **origin:** China. **origin institute id:** 116863. **cultivar:** LAO TUO XU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2505. **other id:** MAC9192-5972. Cultivated. Seed.
- PI 565927 **origin:** China. **origin institute id:** 116865. **cultivar:** WAN LAO TUO XU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2507. **other id:** MAC9192-5974. Cultivated. Seed.
- PI 565928 **origin:** China. **origin institute id:** 116866. **cultivar:** ZAO LAO TUO XU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2508. **other id:** MAC9192-5976. Cultivated. Seed.
- PI 565929 **origin:** China. **origin institute id:** 116870. **cultivar:** WAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2513. **other id:** MAC9192-5982. Cultivated. Seed.
- PI 565930 **origin:** China. **origin institute id:** 116871. **cultivar:** CHUAN SHA WAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2515. **other id:** MAC9192-5984. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565931 **origin:** China. **origin institute id:** 116877. **cultivar:** LAO LAI BAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2526. **other id:** MAC9192-5996. Cultivated. Seed.
- PI 565932 **origin:** China. **origin institute id:** 116879. **cultivar:** SHANG HAI BEN DI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2530. **other id:** MAC9192-6000. Cultivated. Seed.
- PI 565933 **origin:** China. **origin institute id:** 116880. **cultivar:** QING PU HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2533. **other id:** MAC9192-6002. Cultivated. Seed.
- PI 565934 **origin:** China. **origin institute id:** 116881. **cultivar:** LIU LENG ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2537. **other id:** MAC9192-6004. Cultivated. Seed.
- PI 565935 **origin:** China. **origin institute id:** 116882. **cultivar:** WU GONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2539. **other id:** MAC9192-6006. Cultivated. Seed.
- PI 565936 **origin:** China. **origin institute id:** 116883. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2545. **other id:** MAC9192-6008. **other id:** 68-413. Cultivated. Seed.
- PI 565937 **origin:** China. **origin institute id:** 116885. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2549. **other id:** MAC9192-6010. **other id:** 74-510. Cultivated. Seed.
- PI 565938 **origin:** China. **origin institute id:** 116886. **cultivar:** ZAO SHU 41. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2550. **other id:** MAC9192-6012. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565939 **origin:** China. **origin institute id:** 116887. **cultivar:** YUAN MAI 114. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2552. **other id:** MAC9192-6014. Cultivated. Seed.
- PI 565940 **origin:** China. **origin institute id:** 116897. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2565. **other id:** MAC9192-6032. **other id:** 672. Cultivated. Seed.
- PI 565941 **origin:** China. **origin institute id:** 116899. **cultivar:** HEI LIU ZHU YUAN MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2567. **other id:** MAC9192-6036. Cultivated. Seed.
- PI 565942 **origin:** China. **origin institute id:** 116900. **cultivar:** HEI LIU ZHU YUAN MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2568. **other id:** MAC9192-6038. Cultivated. Seed.
- PI 565943 **origin:** China. **origin institute id:** 116901. **cultivar:** CHING MING HEI LIU ZHU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2569. **other id:** MAC9192-6040. Cultivated. Seed.
- PI 565944 **origin:** China. **origin institute id:** 116902. **cultivar:** BAI LIU ZHU YUAN MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2570. **other id:** MAC9192-6042. Cultivated. Seed.
- PI 565945 **origin:** China. **origin institute id:** 116903. **cultivar:** LIU ZHU TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2574. **other id:** MAC9192-6044. Cultivated. Seed.
- PI 565946 **origin:** China. **origin institute id:** 116904. **cultivar:** HONG JIN LIU ZHU TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2575. **other id:** MAC9192-6046. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565947 **origin:** China. **origin institute id:** 116905. **cultivar:** HONG JING LIU ZHU TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2576. **other id:** MAC9192-6048. Cultivated. Seed.
- PI 565948 **origin:** China. **origin institute id:** 116906. **cultivar:** HONG JING LIU ZHU TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2577. **other id:** MAC9192-6050. Cultivated. Seed.
- PI 565949 **origin:** China. **origin institute id:** 116910. **cultivar:** BAI SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2582. **other id:** MAC9192-6058. Cultivated. Seed.
- PI 565950 **origin:** China. **origin institute id:** 116918. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2538. **other id:** MAC9192-6070. **other id:** 78-204. Cultivated. Seed.
- PI 565951 **origin:** China. **origin institute id:** 116919. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2539. **other id:** MAC9192-6072. **other id:** 79-243. Cultivated. Seed.
- PI 565952 **origin:** China. **origin institute id:** 116921. **cultivar:** GAO JIAO ER LENG LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2541. **other id:** MAC9192-6076. Cultivated. Seed.
- PI 565953 **origin:** China. **origin institute id:** 116928. **cultivar:** XIN DENG MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3054. **other id:** MAC9192-6080. Cultivated. Seed.
- PI 565954 **origin:** China. **origin institute id:** 116934. **cultivar:** JIA SHAN CAN HUA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3079. **other id:** MAC9192-6086. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565955 **origin:** China. **origin institute id:** 116943. **cultivar:** YU YAO NUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3098. **other id:** MAC9192-6090. Cultivated. Seed.
- PI 565956 **origin:** China. **origin institute id:** 116954. **cultivar:** DAI SHAN LAO TUO XU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3114. **other id:** MAC9192-6094. Cultivated. Seed.
- PI 565957 **origin:** China. **origin institute id:** 116965. **cultivar:** PU JIANG MI MAI ER. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3175. **other id:** MAC9192-6106. Cultivated. Seed.
- PI 565958 **origin:** China. **origin institute id:** 116968. **cultivar:** DONG YANG HU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3181. **other id:** MAC9192-6112. Cultivated. Seed.
- PI 565959 **origin:** China. **origin institute id:** 116969. **cultivar:** PAN AN NUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3182. **other id:** MAC9192-6114. Cultivated. Seed.
- PI 565960 **origin:** China. **origin institute id:** 116971. **cultivar:** LONG YOU MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3187. **other id:** MAC9192-6118. Cultivated. Seed.
- PI 565961 **origin:** China. **origin institute id:** 116977. **cultivar:** CHANG SHAN NI QIU MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3195. **other id:** MAC9192-6120. Cultivated. Seed.
- PI 565962 **origin:** China. **origin institute id:** 116978. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3196. **other id:** MAC9192-6122. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565963 **origin:** China. **origin institute id:** 116979. **cultivar:** KAI HUA LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3197. **other id:** MAC9192-6124. Cultivated. Seed.
- PI 565964 **origin:** China. **origin institute id:** 116980. **cultivar:** KAI HUA LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3198. **other id:** MAC9192-6126. Cultivated. Seed.
- PI 565965 **origin:** China. **origin institute id:** 116986. **cultivar:** LONG QUAN SI LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3214. **other id:** MAC9192-6138. Cultivated. Seed.
- PI 565966 **origin:** China. **origin institute id:** 116989. **cultivar:** XIAO SHAN CHI MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3229. **other id:** MAC9192-6144. Cultivated. Seed.
- PI 565967 **origin:** China. **origin institute id:** 116990. **cultivar:** XIAO SHAN MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3233. **other id:** MAC9192-6146. Cultivated. Seed.
- PI 565968 **origin:** China. **origin institute id:** 116991. **cultivar:** CHONG DE SI LENG MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3239. **other id:** MAC9192-6148. Cultivated. Seed.
- PI 565969 **origin:** China. **origin institute id:** 116992. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3242. **other id:** MAC9192-6150. Cultivated. Seed.
- PI 565970 **origin:** China. **origin institute id:** 116998. **cultivar:** SHANG YI LIU LENG LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3250. **other id:** MAC9192-6158. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565971 **origin:** China. **origin institute id:** 116999. **cultivar:** YU YAO LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3253. **other id:** MAC9192-6160. Cultivated. Seed.
- PI 565972 **origin:** China. **origin institute id:** 117000. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3254. **other id:** MAC9192-6162. Cultivated. Seed.
- PI 565973 **origin:** China. **origin institute id:** 117002. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3257. **other id:** MAC9192-6166. Cultivated. Seed.
- PI 565974 **origin:** China. **origin institute id:** 117011. **cultivar:** TIAN TAI LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3273. **other id:** MAC9192-6184. Cultivated. Seed.
- PI 565975 **origin:** China. **origin institute id:** 117016. **cultivar:** LI SHUI WU MANG LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3339. **other id:** MAC9192-6194. Cultivated. Seed.
- PI 565976 **origin:** China. **origin institute id:** 117019. **cultivar:** QING YUAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3344. **other id:** MAC9192-6200. Cultivated. Seed.
- PI 565977 **origin:** China. **origin institute id:** 117020. **cultivar:** ZHE NONG 12. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3345. **other id:** MAC9192-6202. Cultivated. Seed.
- PI 565978 **origin:** China. **origin institute id:** 117022. **cultivar:** ZHE NONG 4 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3348. **other id:** MAC9192-6204. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565979 **origin:** China. **origin institute id:** 117023. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3349. **other id:** MAC9192-6206. **other id:** 81-85. Cultivated. Seed.
- PI 565980 **origin:** China. **origin institute id:** 117024. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3350. **other id:** MAC9192-6208. **other id:** 6711-28. Cultivated. Seed.
- PI 565981 **origin:** China. **origin institute id:** 117026. **cultivar:** ER MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3380. **other id:** MAC9192-6210. Cultivated. Seed.
- PI 565982 **origin:** China. **origin institute id:** 117027. **cultivar:** LIU LUN ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3381. **other id:** MAC9192-6212. Cultivated. Seed.
- PI 565983 **origin:** China. **origin institute id:** 117028. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3382. **other id:** MAC9192-6214. Cultivated. Seed.
- PI 565984 **origin:** China. **origin institute id:** 117029. **cultivar:** BEN DI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3387. **other id:** MAC9192-6216. Cultivated. Seed.
- PI 565985 **origin:** China. **origin institute id:** 117030. **cultivar:** BEN DI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3389. **other id:** MAC9192-6218. Cultivated. Seed.
- PI 565986 **origin:** China. **origin institute id:** 117031. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3391. **other id:** MAC9192-6220. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 565987 **origin:** China. **origin institute id:** 117037. **cultivar:** SI LUN DA MAI 80-15. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3397. **other id:** MAC9192-6232. Cultivated. Seed.
- PI 565988 **origin:** China. **origin institute id:** 117042. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3407. **other id:** MAC9192-6242. Cultivated. Seed.
- PI 565989 **origin:** China. **origin institute id:** 117044. **cultivar:** DA MAI SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3409. **other id:** MAC9192-6246. Cultivated. Seed.
- PI 565990 **origin:** China. **origin institute id:** 117046. **cultivar:** SI YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3412. **other id:** MAC9192-6250. Cultivated. Seed.
- PI 565991 **origin:** China. **origin institute id:** 117049. **cultivar:** 1 HAO BEN DI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3415. **other id:** MAC9192-6256. Cultivated. Seed.
- PI 565992 **origin:** China. **origin institute id:** 117051. **cultivar:** KE DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3417. **other id:** MAC9192-6260. Cultivated. Seed.
- PI 565993 **origin:** China. **origin institute id:** 117061. **cultivar:** LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3437. **other id:** MAC9192-6280. Cultivated. Seed.
- PI 565994 **origin:** China. **origin institute id:** 117062. **cultivar:** BEN DI LIU LENG ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3438. **other id:** MAC9192-6282. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 565995 **origin:** China. **origin institute id:** 117067. **cultivar:** LIU LUN ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3446. **other id:** MAC9192-6288. Cultivated. Seed.
- PI 565996 **origin:** China. **origin institute id:** 117073. **cultivar:** YU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3452. **other id:** MAC9192-6300. Cultivated. Seed.
- PI 565997 **origin:** China. **origin institute id:** 117074. **cultivar:** YUAN MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3453. **other id:** MAC9192-6302. Cultivated. Seed.
- PI 565998 **origin:** China. **origin institute id:** 117080. **cultivar:** XIE SI LUN MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3459. **other id:** MAC9192-6314. Cultivated. Seed.
- PI 565999 **origin:** China. **origin institute id:** 117081. **cultivar:** BA GU TAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3462. **other id:** MAC9192-6316. Cultivated. Seed.
- PI 566000 **origin:** China. **origin institute id:** 117087. **cultivar:** MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3474. **other id:** MAC9192-6328. Cultivated. Seed.
- PI 566001 **origin:** China. **origin institute id:** 117088. **cultivar:** ZAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3475. **other id:** MAC9192-6330. Cultivated. Seed.
- PI 566002 **origin:** China. **origin institute id:** 117089. **cultivar:** LIU LUN ZI MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3477. **other id:** MAC9192-6332. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566003 **origin:** China. **origin institute id:** 117090. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3482. **other id:** MAC9192-6334. Cultivated. Seed.
- PI 566004 **origin:** China. **origin institute id:** 117091. **cultivar:** EN SHI SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3483. **other id:** MAC9192-6336. Cultivated. Seed.
- PI 566005 **origin:** China. **origin institute id:** 117093. **cultivar:** MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3485. **other id:** MAC9192-6340. Cultivated. Seed.
- PI 566006 **origin:** China. **origin institute id:** 117101. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3496. **other id:** MAC9192-6356. Cultivated. Seed.
- PI 566007 **origin:** China. **origin institute id:** 117102. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3497. **other id:** MAC9192-6358. Cultivated. Seed.
- PI 566008 **origin:** China. **origin institute id:** 117104. **cultivar:** WU KE ZAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3500. **other id:** MAC9192-6362. Cultivated. Seed.
- PI 566009 **origin:** China. **origin institute id:** 117105. **cultivar:** DA MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3501. **other id:** MAC9192-6364. Cultivated. Seed.
- PI 566010 **origin:** China. **origin institute id:** 117108. **cultivar:** LAO WU HU XU MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3515. **other id:** MAC9192-6370. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566011 **origin:** China. **origin institute id:** 117110. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3517. **other id:** MAC9192-6374. Cultivated. Seed.
- PI 566012 **origin:** China. **origin institute id:** 117113. **cultivar:** LAO WU HU XU MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3520. **other id:** MAC9192-6380. Cultivated. Seed.
- PI 566013 **origin:** China. **origin institute id:** 117115. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3522. **other id:** MAC9192-6384. **other id:** 1619. Cultivated. Seed.
- PI 566014 **origin:** China. **origin institute id:** 117121. **cultivar:** LAO WU HU XU MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3532. **other id:** MAC9192-6396. Cultivated. Seed.
- PI 566015 **origin:** China. **origin institute id:** 117122. **cultivar:** XU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3537. **other id:** MAC9192-6398. Cultivated. Seed.
- PI 566016 **origin:** China. **origin institute id:** 117123. **cultivar:** XU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3538. **other id:** MAC9192-6400. Cultivated. Seed.
- PI 566017 **origin:** China. **origin institute id:** 117126. **cultivar:** CHANG XU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3542. **other id:** MAC9192-6406. Cultivated. Seed.
- PI 566018 **origin:** China. **origin institute id:** 117131. **cultivar:** XU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3556. **other id:** MAC9192-6416. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566019 **origin:** China. **origin institute id:** 117136. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3562. **other id:** MAC9192-6426. Cultivated. Seed.
- PI 566020 **origin:** China. **origin institute id:** 117137. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3563. **other id:** MAC9192-6428. Cultivated. Seed.
- PI 566021 **origin:** China. **origin institute id:** 117138. **cultivar:** LAO WU HU XU MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3564. **other id:** MAC9192-6430. Cultivated. Seed.
- PI 566022 **origin:** China. **origin institute id:** 117139. **cultivar:** HE SHANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3566. **other id:** MAC9192-6432. Cultivated. Seed.
- PI 566023 **origin:** China. **origin institute id:** 117141. **cultivar:** HUA YUAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3569. **other id:** MAC9192-6436. Cultivated. Seed.
- PI 566024 **origin:** China. **origin institute id:** 117142. **cultivar:** HE SHANG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3570. **other id:** MAC9192-6438. Cultivated. Seed.
- PI 566025 **origin:** China. **origin institute id:** 117188. **cultivar:** HEI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3713. **other id:** MAC9192-6440. Cultivated. Seed.
- PI 566026 **origin:** China. **origin institute id:** 117189. **cultivar:** BAI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3714. **other id:** MAC9192-6442. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566027 **origin:** China. **origin institute id:** 117193. **cultivar:** HONG QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3721. **other id:** MAC9192-6444. Cultivated. Seed.
- PI 566028 **origin:** China. **origin institute id:** 117202. **cultivar:** GAN ZI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3731. **other id:** MAC9192-6448. Cultivated. Seed.
- PI 566029 **origin:** China. **origin institute id:** 117209. **cultivar:** NIANG RI QING KE 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3739. **other id:** MAC9192-6454. Cultivated. Seed.
- PI 566030 **origin:** China. **origin institute id:** 117211. **cultivar:** QIAN NING QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3741. **other id:** MAC9192-6456. Cultivated. Seed.
- PI 566031 **origin:** China. **origin institute id:** 117212. **cultivar:** ZHANG LA HUI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3742. **other id:** MAC9192-6458. Cultivated. Seed.
- PI 566032 **origin:** China. **origin institute id:** 117217. **cultivar:** HONG QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3752. **other id:** MAC9192-6460. Cultivated. Seed.
- PI 566033 **origin:** China. **origin institute id:** 117219. **cultivar:** HUANG QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3754. **other id:** MAC9192-6462. Cultivated. Seed.
- PI 566034 **origin:** China. **origin institute id:** 117221. **cultivar:** ZAO BAI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3756. **other id:** MAC9192-6464. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566035 **origin:** China. **origin institute id:** 117222. **cultivar:** LIANG JI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3757. **other id:** MAC9192-6466. Cultivated. Seed.
- PI 566036 **origin:** China. **origin institute id:** 117224. **cultivar:** GE SE QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3760. **other id:** MAC9192-6468. Cultivated. Seed.
- PI 566037 **origin:** China. **origin institute id:** 117225. **cultivar:** HAN DI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3761. **other id:** MAC9192-6470. Cultivated. Seed.
- PI 566038 **origin:** China. **origin institute id:** 117226. **cultivar:** SE CHA 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3762. **other id:** MAC9192-6472. Cultivated. Seed.
- PI 566039 **origin:** China. **origin institute id:** 117228. **cultivar:** GAN ZI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3764. **other id:** MAC9192-6476. Cultivated. Seed.
- PI 566040 **origin:** China. **origin institute id:** 117230. **cultivar:** ZHANG LA ZI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3766. **other id:** MAC9192-6478. Cultivated. Seed.
- PI 566041 **origin:** China. **origin institute id:** 117231. **cultivar:** SONG PAN ZI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3767. **other id:** MAC9192-6480. Cultivated. Seed.
- PI 566042 **origin:** China. **origin institute id:** 117232. **cultivar:** SONG PAN HUI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3768. **other id:** MAC9192-6482. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566043 **origin:** China. **origin institute id:** 117234. **cultivar:** BAI MA WU QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3770. **other id:** MAC9192-6486. Cultivated. Seed.
- PI 566044 **origin:** China. **origin institute id:** 117235. **cultivar:** XIAO YI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3771. **other id:** MAC9192-6488. Cultivated. Seed.
- PI 566045 **origin:** China. **origin institute id:** 117239. **cultivar:** HEI SHUI CHUN QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3776. **other id:** MAC9192-6494. Cultivated. Seed.
- PI 566046 **origin:** China. **origin institute id:** 117241. **cultivar:** BAI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3783. **other id:** MAC9192-6496. Cultivated. Seed.
- PI 566047 **origin:** China. **origin institute id:** 117243. **cultivar:** XI KANG CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3786. **other id:** MAC9192-6498. Cultivated. Seed.
- PI 566048 **origin:** China. **origin institute id:** 117245. **cultivar:** XIAO CHUN HRI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3788. **other id:** MAC9192-6500. Cultivated. Seed.
- PI 566049 **origin:** China. **origin institute id:** 117246. **cultivar:** LIU LENG TUO MANG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3789. **other id:** MAC9192-6502. Cultivated. Seed.
- PI 566050 **origin:** China. **origin institute id:** 117247. **cultivar:** LIU LENG BAI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3790. **other id:** MAC9192-6504. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 566051 **origin:** China. **origin institute id:** 117249. **cultivar:** ZHEN TOU MAI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3793. **other id:** MAC9192-6506. Cultivated. Seed.
- PI 566052 **origin:** China. **origin institute id:** 117250. **cultivar:** BAI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3795. **other id:** MAC9192-6508. Cultivated. Seed.
- PI 566053 **origin:** China. **origin institute id:** 117252. **cultivar:** LIU LENG DUAN MANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3798. **other id:** MAC9192-6510. Cultivated. Seed.
- PI 566054 **origin:** China. **origin institute id:** 117253. **cultivar:** A BA HEI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3799. **other id:** MAC9192-6512. Cultivated. Seed.
- PI 566055 **origin:** China. **origin institute id:** 117255. **cultivar:** XI KANG CHUN QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3802. **other id:** MAC9192-6514. Cultivated. Seed.
- PI 566056 **origin:** China. **origin institute id:** 117256. **cultivar:** MU SHU HEI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3803. **other id:** MAC9192-6516. Cultivated. Seed.
- PI 566057 **origin:** China. **origin institute id:** 117265. **cultivar:** CHANG MANG MAI-1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3935. **other id:** MAC9192-6528. Cultivated. Seed.
- PI 566058 **origin:** China. **origin institute id:** 117267. **cultivar:** HONG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3937. **other id:** MAC9192-6532. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566059 **origin:** China. **origin institute id:** 117268. **cultivar:** DUAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3938. **other id:** MAC9192-6534. Cultivated. Seed.
- PI 566060 **origin:** China. **origin institute id:** 117269. **cultivar:** XIAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3939. **other id:** MAC9192-6536. Cultivated. Seed.
- PI 566061 **origin:** China. **origin institute id:** 117270. **cultivar:** ER LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3940. **other id:** MAC9192-6538. Cultivated. Seed.
- PI 566062 **origin:** China. **origin institute id:** 117271. **cultivar:** DA MAI 2. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3941. **other id:** MAC9192-6540. Cultivated. Seed.
- PI 566063 **origin:** China. **origin institute id:** 117272. **cultivar:** PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3942. **other id:** MAC9192-6542. Cultivated. Seed.
- PI 566064 **origin:** China. **origin institute id:** 117273. **cultivar:** PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3943. **other id:** MAC9192-6544. Cultivated. Seed.
- PI 566065 **origin:** China. **origin institute id:** 117274. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3944. **other id:** MAC9192-6546. Cultivated. Seed.
- PI 566066 **origin:** China. **origin institute id:** 117275. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3945. **other id:** MAC9192-6548. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566067 **origin:** China. **origin institute id:** 117276. **cultivar:** SI LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3946. **other id:** MAC9192-6550. Cultivated. Seed.
- PI 566068 **origin:** China. **origin institute id:** 117278. **cultivar:** BAI DA MAI 1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3948. **other id:** MAC9192-6552. Cultivated. Seed.
- PI 566069 **origin:** China. **origin institute id:** 117282. **cultivar:** PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3952. **other id:** MAC9192-6554. Cultivated. Seed.
- PI 566070 **origin:** China. **origin institute id:** 117283. **cultivar:** BAI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3953. **other id:** MAC9192-6556. Cultivated. Seed.
- PI 566071 **origin:** China. **origin institute id:** 117291. **cultivar:** DIAN ZHONG PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3962. **other id:** MAC9192-6566. Cultivated. Seed.
- PI 566072 **origin:** China. **origin institute id:** 117293. **cultivar:** CHANG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3964. **other id:** MAC9192-6570. Cultivated. Seed.
- PI 566073 **origin:** China. **origin institute id:** 117294. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3965. **other id:** MAC9192-6572. Cultivated. Seed.
- PI 566074 **origin:** China. **origin institute id:** 117295. **cultivar:** CHANG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3966. **other id:** MAC9192-6574. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566075 **origin:** China. **origin institute id:** 117299. **cultivar:** QING LUO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3970. **other id:** MAC9192-6578. Cultivated. Seed.
- PI 566076 **origin:** China. **origin institute id:** 117300. **cultivar:** PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3971. **other id:** MAC9192-6580. Cultivated. Seed.
- PI 566077 **origin:** China. **origin institute id:** 117301. **cultivar:** QING LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3972. **other id:** MAC9192-6582. Cultivated. Seed.
- PI 566078 **origin:** China. **origin institute id:** 117308. **cultivar:** GE LANG HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3979. **other id:** MAC9192-6596. Cultivated. Seed.
- PI 566079 **origin:** China. **origin institute id:** 117309. **cultivar:** LONG WU PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3980. **other id:** MAC9192-6598. Cultivated. Seed.
- PI 566080 **origin:** China. **origin institute id:** 117310. **cultivar:** LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3981. **other id:** MAC9192-6600. Cultivated. Seed.
- PI 566081 **origin:** China. **origin institute id:** 117311. **cultivar:** QING KE DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3982. **other id:** MAC9192-6602. Cultivated. Seed.
- PI 566082 **origin:** China. **origin institute id:** 117318. **cultivar:** LUO REN ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 97. **other id:** MAC9192-6612. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566083 **origin:** China. **origin institute id:** 117319. **cultivar:** GUANG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 98. **other id:** MAC9192-6614. Cultivated. Seed.
- PI 566084 **origin:** China. **origin institute id:** 117320. **cultivar:** CHANG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 99. **other id:** MAC9192-6616. Cultivated. Seed.
- PI 566085 **origin:** China. **origin institute id:** 117321. **cultivar:** GUANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 100. **other id:** MAC9192-6618. Cultivated. Seed.
- PI 566086 **origin:** China. **origin institute id:** 117322. **cultivar:** LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 101. **other id:** MAC9192-6620. Cultivated. Seed.
- PI 566087 **origin:** China. **origin institute id:** 117324. **cultivar:** GUANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 103. **other id:** MAC9192-6624. Cultivated. Seed.
- PI 566088 **origin:** China. **origin institute id:** 117325. **cultivar:** GUANG HUI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 104. **other id:** MAC9192-6626. Cultivated. Seed.
- PI 566089 **origin:** China. **origin institute id:** 117329. **cultivar:** DIU MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 112. **other id:** MAC9192-6634. Cultivated. Seed.
- PI 566090 **origin:** China. **origin institute id:** 117330. **cultivar:** LUO GUANG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 114. **other id:** MAC9192-6636. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566091 **origin:** China. **origin institute id:** 117331. **cultivar:** LIU LENG GUANG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 116. **other id:** MAC9192-6638. Cultivated. Seed.
- PI 566092 **origin:** China. **origin institute id:** 117332. **cultivar:** BAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 117. **other id:** MAC9192-6640. Cultivated. Seed.
- PI 566093 **origin:** China. **origin institute id:** 117333. **cultivar:** CAO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 118. **other id:** MAC9192-6642. Cultivated. Seed.
- PI 566094 **origin:** China. **origin institute id:** 117334. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 119. **other id:** MAC9192-6644. Cultivated. Seed.
- PI 566095 **origin:** China. **origin institute id:** 117335. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 120. **other id:** MAC9192-6646. Cultivated. Seed.
- PI 566096 **origin:** China. **origin institute id:** 117336. **cultivar:** YANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 121. **other id:** MAC9192-6648. Cultivated. Seed.
- PI 566097 **origin:** China. **origin institute id:** 117337. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 122. **other id:** MAC9192-6650. Cultivated. Seed.
- PI 566098 **origin:** China. **origin institute id:** 117338. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 124. **other id:** MAC9192-6652. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566099 **origin:** China. **origin institute id:** 117339. **cultivar:** PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 126. **other id:** MAC9192-6654. Cultivated. Seed.
- PI 566100 **origin:** China. **origin institute id:** 117340. **cultivar:** ER LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 127. **other id:** MAC9192-6656. Cultivated. Seed.
- PI 566101 **origin:** China. **origin institute id:** 117341. **cultivar:** BEN DI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 128. **other id:** MAC9192-6658. Cultivated. Seed.
- PI 566102 **origin:** China. **origin institute id:** 117345. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 132. **other id:** MAC9192-6664. Cultivated. Seed.
- PI 566103 **origin:** China. **origin institute id:** 117347. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 134. **other id:** MAC9192-6668. Cultivated. Seed.
- PI 566104 **origin:** China. **origin institute id:** 117348. **cultivar:** DAI MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 135. **other id:** MAC9192-6670. Cultivated. Seed.
- PI 566105 **origin:** China. **origin institute id:** 117349. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 136. **other id:** MAC9192-6672. Cultivated. Seed.
- PI 566106 **origin:** China. **origin institute id:** 117351. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 138. **other id:** MAC9192-6676. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566107 **origin:** China. **origin institute id:** 117352. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 139. **other id:** MAC9192-6678. Cultivated. Seed.
- PI 566108 **origin:** China. **origin institute id:** 117353. **cultivar:** CAO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 140. **other id:** MAC9192-6680. Cultivated. Seed.
- PI 566109 **origin:** China. **origin institute id:** 117355. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 142. **other id:** MAC9192-6684. Cultivated. Seed.
- PI 566110 **origin:** China. **origin institute id:** 117356. **cultivar:** LIAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 143. **other id:** MAC9192-6686. Cultivated. Seed.
- PI 566111 **origin:** China. **origin institute id:** 117357. **cultivar:** BE DI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 144. **other id:** MAC9192-6688. Cultivated. Seed.
- PI 566112 **origin:** China. **origin institute id:** 117358. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 145. **other id:** MAC9192-6690. Cultivated. Seed.
- PI 566113 **origin:** China. **origin institute id:** 117361. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 148. **other id:** MAC9192-6694. Cultivated. Seed.
- PI 566114 **origin:** China. **origin institute id:** 117366. **cultivar:** QING XU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 153. **other id:** MAC9192-6704. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 566115 **origin:** China. **origin institute id:** 117367. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 154. **other id:** MAC9192-6706. Cultivated. Seed.
- PI 566116 **origin:** China. **origin institute id:** 117370. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 158. **other id:** MAC9192-6712. Cultivated. Seed.
- PI 566117 **origin:** China. **origin institute id:** 117371. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 159. **other id:** MAC9192-6714. Cultivated. Seed.
- PI 566118 **origin:** China. **origin institute id:** 117372. **cultivar:** DONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 160. **other id:** MAC9192-6716. Cultivated. Seed.
- PI 566119 **origin:** China. **origin institute id:** 117374. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 162. **other id:** MAC9192-6720. Cultivated. Seed.
- PI 566120 **origin:** China. **origin institute id:** 117375. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 163. **other id:** MAC9192-6722. Cultivated. Seed.
- PI 566121 **origin:** China. **origin institute id:** 117376. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 164. **other id:** MAC9192-6724. Cultivated. Seed.
- PI 566122 **origin:** China. **origin institute id:** 117378. **cultivar:** CAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 166. **other id:** MAC9192-6728. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566123 **origin:** China. **origin institute id:** 117379. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 167. **other id:** MAC9192-6730. Cultivated. Seed.
- PI 566124 **origin:** China. **origin institute id:** 117382. **cultivar:** HE ZUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 170. **other id:** MAC9192-6736. Cultivated. Seed.
- PI 566125 **origin:** China. **origin institute id:** 117388. **cultivar:** QIU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 176. **other id:** MAC9192-6748. Cultivated. Seed.
- PI 566126 **origin:** China. **origin institute id:** 117389. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 177. **other id:** MAC9192-6750. Cultivated. Seed.
- PI 566127 **origin:** China. **origin institute id:** 117390. **cultivar:** QIU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 178. **other id:** MAC9192-6752. Cultivated. Seed.
- PI 566128 **origin:** China. **origin institute id:** 117391. **cultivar:** TU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 179. **other id:** MAC9192-6754. Cultivated. Seed.
- PI 566129 **origin:** China. **origin institute id:** 117392. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 180. **other id:** MAC9192-6756. Cultivated. Seed.
- PI 566130 **origin:** China. **origin institute id:** 117394. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 182. **other id:** MAC9192-6760. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566131 **origin:** China. **origin institute id:** 117396. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 184. **other id:** MAC9192-6762. Cultivated. Seed.
- PI 566132 **origin:** China. **origin institute id:** 117397. **cultivar:** YOU PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 185. **other id:** MAC9192-6764. Cultivated. Seed.
- PI 566133 **origin:** China. **origin institute id:** 117399. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 188. **other id:** MAC9192-6768. Cultivated. Seed.
- PI 566134 **origin:** China. **origin institute id:** 117404. **cultivar:** YOU MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 194. **other id:** MAC9192-6778. Cultivated. Seed.
- PI 566135 **origin:** China. **origin institute id:** 117405. **cultivar:** YOU MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 195. **other id:** MAC9192-6780. Cultivated. Seed.
- PI 566136 **origin:** China. **origin institute id:** 117408. **cultivar:** YOU MANG ZAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 198. **other id:** MAC9192-6786. Cultivated. Seed.
- PI 566137 **origin:** China. **origin institute id:** 117410. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 200. **other id:** MAC9192-6790. Cultivated. Seed.
- PI 566138 **origin:** China. **origin institute id:** 117412. **cultivar:** DANG DI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 202. **other id:** MAC9192-6794. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566139 **origin:** China. **origin institute id:** 117413. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 203. **other id:** MAC9192-6796. Cultivated. Seed.
- PI 566140 **origin:** China. **origin institute id:** 117414. **cultivar:** PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 204. **other id:** MAC9192-6798. Cultivated. Seed.
- PI 566141 **origin:** China. **origin institute id:** 117424. **cultivar:** LIU LENG BAI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 303. **other id:** MAC9192-6818. Cultivated. Seed.
- PI 566142 **origin:** China. **origin institute id:** 117425. **cultivar:** BEN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 306. **other id:** MAC9192-6820. Cultivated. Seed.
- PI 566143 **origin:** China. **origin institute id:** 117431. **cultivar:** LIU LENG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 328. **other id:** MAC9192-6832. Cultivated. Seed.
- PI 566144 **origin:** China. **origin institute id:** 117432. **cultivar:** MANG ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 332. **other id:** MAC9192-6834. Cultivated. Seed.
- PI 566145 **origin:** China. **origin institute id:** 117433. **cultivar:** YOU MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 336. **other id:** MAC9192-6836. Cultivated. Seed.
- PI 566146 **origin:** China. **origin institute id:** 117434. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 339. **other id:** MAC9192-6838. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566147 **origin:** China. **origin institute id:** 117436. **cultivar:** TU DA MAI 1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 380. **other id:** MAC9192-6842. Cultivated. Seed.
- PI 566148 **origin:** China. **origin institute id:** 117437. **cultivar:** TU DA MAI 2. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 381. **other id:** MAC9192-6844. Cultivated. Seed.
- PI 566149 **origin:** China. **origin institute id:** 117442. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 405. **other id:** MAC9192-6852. Cultivated. Seed.
- PI 566150 **origin:** China. **origin institute id:** 117448. **cultivar:** GONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 431. **other id:** MAC9192-6864. Cultivated. Seed.
- PI 566151 **origin:** China. **origin institute id:** 117450. **cultivar:** KANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 435. **other id:** MAC9192-6868. Cultivated. Seed.
- PI 566152 **origin:** China. **origin institute id:** 117453. **cultivar:** ZI MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 448. **other id:** MAC9192-6872. Cultivated. Seed.
- PI 566153 **origin:** China. **origin institute id:** 117458. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 488. **other id:** MAC9192-6882. Cultivated. Seed.
- PI 566154 **origin:** China. **origin institute id:** 117461. **cultivar:** HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 494. **other id:** MAC9192-6888. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566155 **origin:** China. **origin institute id:** 117463. **cultivar:** SAN YUE HUANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 664. **other id:** MAC9192-6892. Cultivated. Seed.
- PI 566156 **origin:** China. **origin institute id:** 117464. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 739. **other id:** MAC9192-6894. Cultivated. Seed.
- PI 566157 **origin:** China. **origin institute id:** 117465. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 806. **other id:** MAC9192-6896. **remarks:** Elevated hoods. Cultivated. Seed.
- PI 566158 **origin:** China. **origin institute id:** 117466. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 825. **other id:** MAC9192-6898. Cultivated. Seed.
- PI 566159 **origin:** China. **origin institute id:** 117467. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 865. **other id:** MAC9192-6900. Cultivated. Seed.
- PI 566160 **origin:** China. **origin institute id:** 117468. **cultivar:** CHANG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 903. **other id:** MAC9192-6902. Cultivated. Seed.
- PI 566161 **origin:** China. **origin institute id:** 117469. **cultivar:** MAN SI MA DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 907. **other id:** MAC9192-6904. Cultivated. Seed.
- PI 566162 **origin:** China. **origin institute id:** 117470. **cultivar:** DUAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 919. **other id:** MAC9192-6906. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566163 **origin:** China. **origin institute id:** 117471. **cultivar:** SI LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 920. **other id:** MAC9192-6908. Cultivated. Seed.
- PI 566164 **origin:** China. **origin institute id:** 117472. **cultivar:** SI LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 927. **other id:** MAC9192-6910. Cultivated. Seed.
- PI 566165 **origin:** China. **origin institute id:** 117481. **cultivar:** LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1025. **other id:** MAC9192-6926. Cultivated. Seed.
- PI 566166 **origin:** China. **origin institute id:** 117483. **cultivar:** LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1028. **other id:** MAC9192-6930. Cultivated. Seed.
- PI 566167 **origin:** China. **origin institute id:** 117484. **cultivar:** HUO SHA TOU GA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1033. **other id:** MAC9192-6932. **remarks:** Elevated hoods. Cultivated. Seed.
- PI 566168 **origin:** China. **origin institute id:** 117486. **cultivar:** QUAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1039. **other id:** MAC9192-6934. **remarks:** Elevated hoods. Cultivated. Seed.
- PI 566169 **origin:** China. **origin institute id:** 117487. **cultivar:** GE DA DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1040. **other id:** MAC9192-6936. Cultivated. Seed.
- PI 566170 **origin:** China. **origin institute id:** 117488. **cultivar:** HUO SHAO TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1042. **other id:** MAC9192-6938. Cultivated. Seed.

PI 565513 to 566588-continued.

- PI 566171 **origin:** China. **origin institute id:** 117489. **cultivar:** MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1047. **other id:** MAC9192-6940. Cultivated. Seed.
- PI 566172 **origin:** China. **origin institute id:** 117490. **cultivar:** MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1049. **other id:** MAC9192-6942. Cultivated. Seed.
- PI 566173 **origin:** China. **origin institute id:** 117491. **cultivar:** MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1050. **other id:** MAC9192-6944. Cultivated. Seed.
- PI 566174 **origin:** China. **origin institute id:** 117492. **cultivar:** MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1053. **other id:** MAC9192-6946. Cultivated. Seed.
- PI 566175 **origin:** China. **origin institute id:** 117495. **cultivar:** LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1099. **other id:** MAC9192-6952. Cultivated. Seed.
- PI 566176 **origin:** China. **origin institute id:** 117498. **cultivar:** JUAN MANG LIU LENG LU REN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1105. **other id:** MAC9192-6958. **remarks:** Elevated hoods. Cultivated. Seed.
- PI 566177 **origin:** China. **origin institute id:** 117502. **cultivar:** HUO SHAO TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1109. **other id:** MAC9192-6966. **remarks:** Elevated hoods. Cultivated. Seed.
- PI 566178 **origin:** China. **origin institute id:** 117503. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1114. **other id:** MAC9192-6968. **remarks:** Elevated hoods. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 566179 **origin:** China. **origin institute id:** 117504. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1122. **other id:** MAC9192-6970. **remarks:** Elevated hoods. Cultivated. Seed.
- PI 566180 **origin:** China. **origin institute id:** 117505. **cultivar:** HUO LIAO TOU MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1137. **other id:** MAC9192-6972. **remarks:** Elevated hoods. Cultivated. Seed.
- PI 566181 **origin:** China. **origin institute id:** 117507. **cultivar:** XI NONG 3120. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 1151. **other id:** MAC9192-6974. Cultivated. Seed.
- PI 566182 **origin:** China. **origin institute id:** 117508. **cultivar:** HU MAI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2465. **other id:** MAC9192-6976. Cultivated. Seed.
- PI 566183 **origin:** China. **origin institute id:** 117509. **cultivar:** FENG AI ER LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2466. **other id:** MAC9192-6978. Cultivated. Seed.
- PI 566184 **origin:** China. **origin institute id:** 117510. **cultivar:** HU MAI 4 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2468. **other id:** MAC9192-6980. Cultivated. Seed.
- PI 566185 **origin:** China. **origin institute id:** 117511. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2469. **other id:** MAC9192-6982. **other id:** 77-130. Cultivated. Seed.
- PI 566186 **origin:** China. **origin institute id:** 117512. **cultivar:** BAO SHAN ER LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2470. **other id:** MAC9192-6984. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566187 **origin:** China. **origin institute id:** 117513. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2471. **other id:** MAC9192-6986. **other id:** 76-25. Cultivated. Seed.
- PI 566188 **origin:** China. **origin institute id:** 117514. **cultivar:** DA ER DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2473. **other id:** MAC9192-6988. Cultivated. Seed.
- PI 566189 **origin:** China. **origin institute id:** 117515. **cultivar:** BEN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2474. **other id:** MAC9192-6990. Cultivated. Seed.
- PI 566190 **origin:** China. **origin institute id:** 117516. **cultivar:** BEN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2475. **other id:** MAC9192-6992. Cultivated. Seed.
- PI 566191 **origin:** China. **origin institute id:** 117517. **cultivar:** SHUONG LENG BIAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2476. **other id:** MAC9192-6994. Cultivated. Seed.
- PI 566192 **origin:** China. **origin institute id:** 117518. **cultivar:** AI BAI YANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2484. **other id:** MAC9192-6996. Cultivated. Seed.
- PI 566193 **origin:** China. **origin institute id:** 117522. **cultivar:** FENG XIAN ZAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2520. **other id:** MAC9192-7002. Cultivated. Seed.
- PI 566194 **origin:** China. **origin institute id:** 117524. **cultivar:** JIA DING ZAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2522. **other id:** MAC9192-7006. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566195 **origin:** China. **origin institute id:** 117525. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2524. **other id:** MAC9192-7008. Cultivated. Seed.
- PI 566196 **origin:** China. **origin institute id:** 117527. **cultivar:** WU SONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2529. **other id:** MAC9192-7012. Cultivated. Seed.
- PI 566197 **origin:** China. **origin institute id:** 117528. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2531. **other id:** MAC9192-7014. Cultivated. Seed.
- PI 566198 **origin:** China. **origin institute id:** 117530. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2534. **other id:** MAC9192-7016. Cultivated. Seed.
- PI 566199 **origin:** China. **origin institute id:** 117531. **cultivar:** LIU ZHU TOU ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2535. **other id:** MAC9192-7018. Cultivated. Seed.
- PI 566200 **origin:** China. **origin institute id:** 117537. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2573. **other id:** MAC9192-7022. Cultivated. Seed.
- PI 566201 **origin:** China. **origin institute id:** 117538. **cultivar:** SHANG HAI SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2581. **other id:** MAC9192-7024. Cultivated. Seed.
- PI 566202 **origin:** China. **origin institute id:** 117540. **cultivar:** ZAO SHU 7 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2658. **other id:** MAC9192-7026. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566203 **origin:** China. **origin institute id:** 117541. **cultivar:** XIAO SHAN ER LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2661. **other id:** MAC9192-7028. Cultivated. Seed.
- PI 566204 **origin:** China. **origin institute id:** 117543. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2663. **other id:** MAC9192-7030. Cultivated. Seed.
- PI 566205 **origin:** China. **origin institute id:** 117550. **cultivar:** SHAO XING YANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2673. **other id:** MAC9192-7044. Cultivated. Seed.
- PI 566206 **origin:** China. **origin institute id:** 117556. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2680. **other id:** MAC9192-7048. Cultivated. Seed.
- PI 566207 **origin:** China. **origin institute id:** 117557. **cultivar:** SHANG YU YANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2681. **other id:** MAC9192-7050. Cultivated. Seed.
- PI 566208 **origin:** China. **origin institute id:** 117574. **cultivar:** XIANG SHAN LO XU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2701. **other id:** MAC9192-7052. Cultivated. Seed.
- PI 566209 **origin:** China. **origin institute id:** 117585. **cultivar:** LE QING YANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2712. **other id:** MAC9192-7054. Cultivated. Seed.
- PI 566210 **origin:** China. **origin institute id:** 117586. **cultivar:** LE QING BIAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2713. **other id:** MAC9192-7056. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566211 **origin:** China. **origin institute id:** 117591. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2718. **other id:** MAC9192-7060. **other id:** 209-1. Cultivated. Seed.
- PI 566212 **origin:** China. **origin institute id:** 117600. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2728. **other id:** MAC9192-7076. Cultivated. Seed.
- PI 566213 **origin:** China. **origin institute id:** 117602. **cultivar:** JIAN DE ZAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2730. **other id:** MAC9192-7078. Cultivated. Seed.
- PI 566214 **origin:** China. **origin institute id:** 117603. **cultivar:** JIAN DE HONG XU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2731. **other id:** MAC9192-7080. Cultivated. Seed.
- PI 566215 **origin:** China. **origin institute id:** 117604. **cultivar:** SHOU CHANG LI XIA HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2733. **other id:** MAC9192-7082. Cultivated. Seed.
- PI 566216 **origin:** China. **origin institute id:** 117605. **cultivar:** SHOU CHANG HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2734. **other id:** MAC9192-7084. Cultivated. Seed.
- PI 566217 **origin:** China. **origin institute id:** 117606. **cultivar:** TONG LU MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2735. **other id:** MAC9192-7086. Cultivated. Seed.
- PI 566218 **origin:** China. **origin institute id:** 117607. **cultivar:** TONG LU MAO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2736. **other id:** MAC9192-7088. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566219 **origin:** China. **origin institute id:** 117608. **cultivar:** FEN SHUI XU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2737. **other id:** MAC9192-7090. Cultivated. Seed.
- PI 566220 **origin:** China. **origin institute id:** 117620. **cultivar:** XIAO FENG LUO XU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2752. **other id:** MAC9192-7110. Cultivated. Seed.
- PI 566221 **origin:** China. **origin institute id:** 117626. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2758. **other id:** MAC9192-7114. Cultivated. Seed.
- PI 566222 **origin:** China. **origin institute id:** 117628. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2760. **other id:** MAC9192-7118. Cultivated. Seed.
- PI 566223 **origin:** China. **origin institute id:** 117629. **cultivar:** SHAO XING HUI SI LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2761. **other id:** MAC9192-7120. Cultivated. Seed.
- PI 566224 **origin:** China. **origin institute id:** 117630. **cultivar:** ZHU JI SI LENG ZAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2762. **other id:** MAC9192-7122. Cultivated. Seed.
- PI 566225 **origin:** China. **origin institute id:** 117635. **cultivar:** SHANG YU ZI SI LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2769. **other id:** MAC9192-7124. Cultivated. Seed.
- PI 566226 **origin:** China. **origin institute id:** 117637. **cultivar:** SHANG YU HONG SI LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2771. **other id:** MAC9192-7126. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566227 **origin:** China. **origin institute id:** 117639. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2773. **other id:** MAC9192-7128. Cultivated. Seed.
- PI 566228 **origin:** China. **origin institute id:** 117647. **cultivar:** XIN CHANG 1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2782. **other id:** MAC9192-7138. Cultivated. Seed.
- PI 566229 **origin:** China. **origin institute id:** 117654. **cultivar:** SAN MEN AI SUI CHI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2789. **other id:** MAC9192-7152. Cultivated. Seed.
- PI 566230 **origin:** China. **origin institute id:** 117655. **cultivar:** SAN MEN BAI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2790. **other id:** MAC9192-7154. Cultivated. Seed.
- PI 566231 **origin:** China. **origin institute id:** 117658. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2793. **other id:** MAC9192-7156. Cultivated. Seed.
- PI 566232 **origin:** China. **origin institute id:** 117659. **cultivar:** LIN HAI ZAO HONG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2794. **other id:** MAC9192-7158. Cultivated. Seed.
- PI 566233 **origin:** China. **origin institute id:** 117660. **cultivar:** LIN HAI BAI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2795. **other id:** MAC9192-7160. Cultivated. Seed.
- PI 566234 **origin:** China. **origin institute id:** 117661. **cultivar:** LIN HAI LAO LAI HONG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2796. **other id:** MAC9192-7162. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566235 **origin:** China. **origin institute id:** 117676. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2811. **other id:** MAC9192-7186. Cultivated. Seed.
- PI 566236 **origin:** China. **origin institute id:** 117682. **cultivar:** LE QING SI LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2817. **other id:** MAC9192-7190. Cultivated. Seed.
- PI 566237 **origin:** China. **origin institute id:** 117685. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2820. **other id:** MAC9192-7196. Cultivated. Seed.
- PI 566238 **origin:** China. **origin institute id:** 117686. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2821. **other id:** MAC9192-7198. Cultivated. Seed.
- PI 566239 **origin:** China. **origin institute id:** 117687. **cultivar:** LE QING SI LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2822. **other id:** MAC9192-7200. Cultivated. Seed.
- PI 566240 **origin:** China. **origin institute id:** 117688. **cultivar:** PING YANG BEN DI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2823. **other id:** MAC9192-7202. Cultivated. Seed.
- PI 566241 **origin:** China. **origin institute id:** 117689. **cultivar:** PING YANG SI LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2824. **other id:** MAC9192-7204. Cultivated. Seed.
- PI 566242 **origin:** China. **origin institute id:** 117699. **cultivar:** PU JIANG DI JI HONG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2834. **other id:** MAC9192-7224. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 566243 **origin:** China. **origin institute id:** 117700. **cultivar:** PU JIANG SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2836. **other id:** MAC9192-7226. Cultivated. Seed.
- PI 566244 **origin:** China. **origin institute id:** 117701. **cultivar:** PU JIANG TAI XI ZAO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2837. **other id:** MAC9192-7228. Cultivated. Seed.
- PI 566245 **origin:** China. **origin institute id:** 117702. **cultivar:** PU JIANG CHI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2838. **other id:** MAC9192-7230. Cultivated. Seed.
- PI 566246 **origin:** China. **origin institute id:** 117703. **cultivar:** PU JIANG TO MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2839. **other id:** MAC9192-7232. Cultivated. Seed.
- PI 566247 **origin:** China. **origin institute id:** 117704. **cultivar:** PU JIANG CHUI TOU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2840. **other id:** MAC9192-7234. Cultivated. Seed.
- PI 566248 **origin:** China. **origin institute id:** 117712. **cultivar:** DONG YANG DA SUAN HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2850. **other id:** MAC9192-7248. Cultivated. Seed.
- PI 566249 **origin:** China. **origin institute id:** 117713. **cultivar:** DONG YANG ZAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2851. **other id:** MAC9192-7250. Cultivated. Seed.
- PI 566250 **origin:** China. **origin institute id:** 117715. **cultivar:** DONG YANG SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2853. **other id:** MAC9192-7254. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566251 **origin:** China. **origin institute id:** 117717. **cultivar:** DONG YANG SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2855. **other id:** MAC9192-7256. Cultivated. Seed.
- PI 566252 **origin:** China. **origin institute id:** 117720. **cultivar:** DONG YANG BAI GAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2858. **other id:** MAC9192-7262. Cultivated. Seed.
- PI 566253 **origin:** China. **origin institute id:** 117721. **cultivar:** DONG YANG HONG JIN MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2859. **other id:** MAC9192-7264. Cultivated. Seed.
- PI 566254 **origin:** China. **origin institute id:** 117722. **cultivar:** DONG YANG HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2860. **other id:** MAC9192-7266. Cultivated. Seed.
- PI 566255 **origin:** China. **origin institute id:** 117723. **cultivar:** DONG YANG HONG JIN MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2861. **other id:** MAC9192-7268. Cultivated. Seed.
- PI 566256 **origin:** China. **origin institute id:** 117727. **cultivar:** DONG YANG BAN CHI ZAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2865. **other id:** MAC9192-7276. Cultivated. Seed.
- PI 566257 **origin:** China. **origin institute id:** 117733. **cultivar:** YONG KANG TUO MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2871. **other id:** MAC9192-7288. Cultivated. Seed.
- PI 566258 **origin:** China. **origin institute id:** 117737. **cultivar:** XUAN PING SI LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2875. **other id:** MAC9192-7296. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566259 **origin:** China. **origin institute id:** 117739. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2877. **other id:** MAC9192-7300. Cultivated. Seed.
- PI 566260 **origin:** China. **origin institute id:** 117740. **cultivar:** QU XIAN MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2878. **other id:** MAC9192-7302. Cultivated. Seed.
- PI 566261 **origin:** China. **origin institute id:** 117741. **cultivar:** LONG YOU HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2879. **other id:** MAC9192-7304. Cultivated. Seed.
- PI 566262 **origin:** China. **origin institute id:** 117743. **cultivar:** KAI HUA SI LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2883. **other id:** MAC9192-7308. Cultivated. Seed.
- PI 566263 **origin:** China. **origin institute id:** 117744. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2884. **other id:** MAC9192-7310. Cultivated. Seed.
- PI 566264 **origin:** China. **origin institute id:** 117745. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2885. **other id:** MAC9192-7312. Cultivated. Seed.
- PI 566265 **origin:** China. **origin institute id:** 117746. **cultivar:** LI SHUI KE DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2887. **other id:** MAC9192-7314. Cultivated. Seed.
- PI 566266 **origin:** China. **origin institute id:** 117753. **cultivar:** SAN YUE HUANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2896. **other id:** MAC9192-7328. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566267 **origin:** China. **origin institute id:** 117756. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2900. **other id:** MAC9192-7334. Cultivated. Seed.
- PI 566268 **origin:** China. **origin institute id:** 117757. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2901. **other id:** MAC9192-7336. Cultivated. Seed.
- PI 566269 **origin:** China. **origin institute id:** 117758. **cultivar:** XIAO SHAN WU MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2902. **other id:** MAC9192-7338. Cultivated. Seed.
- PI 566270 **origin:** China. **origin institute id:** 117759. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2905. **other id:** MAC9192-7340. Cultivated. Seed.
- PI 566271 **origin:** China. **origin institute id:** 117760. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2906. **other id:** MAC9192-7342. Cultivated. Seed.
- PI 566272 **origin:** China. **origin institute id:** 117761. **cultivar:** XIAO SHAN HONG LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2907. **other id:** MAC9192-7344. Cultivated. Seed.
- PI 566273 **origin:** China. **origin institute id:** 117764. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2910. **other id:** MAC9192-7350. Cultivated. Seed.
- PI 566274 **origin:** China. **origin institute id:** 117765. **cultivar:** YU TI BEN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2911. **other id:** MAC9192-7352. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566275 **origin:** China. **origin institute id:** 117768. **cultivar:** CHUN AN LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2915. **other id:** MAC9192-7358. Cultivated. Seed.
- PI 566276 **origin:** China. **origin institute id:** 117770. **cultivar:** CHUN AN TU BAI DA MAI ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2918. **other id:** MAC9192-7362. Cultivated. Seed.
- PI 566277 **origin:** China. **origin institute id:** 117771. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2920. **other id:** MAC9192-7364. Cultivated. Seed.
- PI 566278 **origin:** China. **origin institute id:** 117773. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2923. **other id:** MAC9192-7368. Cultivated. Seed.
- PI 566279 **origin:** China. **origin institute id:** 117775. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2926. **other id:** MAC9192-7372. Cultivated. Seed.
- PI 566280 **origin:** China. **origin institute id:** 117776. **cultivar:** SHAO XING ZI LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2927. **other id:** MAC9192-7374. Cultivated. Seed.
- PI 566281 **origin:** China. **origin institute id:** 117778. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2929. **other id:** MAC9192-7378. Cultivated. Seed.
- PI 566282 **origin:** China. **origin institute id:** 117779. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2930. **other id:** MAC9192-7380. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566283 **origin:** China. **origin institute id:** 117785. **cultivar:** SHANG YU HONG JIN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2936. **other id:** MAC9192-7392. Cultivated. Seed.
- PI 566284 **origin:** China. **origin institute id:** 117788. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2939. **other id:** MAC9192-7398. Cultivated. Seed.
- PI 566285 **origin:** China. **origin institute id:** 117789. **cultivar:** XIN CHANG LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2942. **other id:** MAC9192-7400. Cultivated. Seed.
- PI 566286 **origin:** China. **origin institute id:** 117791. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2947. **other id:** MAC9192-7404. Cultivated. Seed.
- PI 566287 **origin:** China. **origin institute id:** 117792. **cultivar:** FENG HUA LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2948. **other id:** MAC9192-7406. Cultivated. Seed.
- PI 566288 **origin:** China. **origin institute id:** 117793. **cultivar:** CI XI LIU LENG TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2949. **other id:** MAC9192-7408. Cultivated. Seed.
- PI 566289 **origin:** China. **origin institute id:** 117794. **cultivar:** XIANG SHAN BEN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2951. **other id:** MAC9192-7410. Cultivated. Seed.
- PI 566290 **origin:** China. **origin institute id:** 117795. **cultivar:** DAI SHAN LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2954. **other id:** MAC9192-7412. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566291 **origin:** China. **origin institute id:** 117796. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2955. **other id:** MAC9192-7414. Cultivated. Seed.
- PI 566292 **origin:** China. **origin institute id:** 117797. **cultivar:** SAN MEN HUANG LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2956. **other id:** MAC9192-7416. Cultivated. Seed.
- PI 566293 **origin:** China. **origin institute id:** 117798. **cultivar:** LIN HAI LIU MAI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2957. **other id:** MAC9192-7418. Cultivated. Seed.
- PI 566294 **origin:** China. **origin institute id:** 117801. **cultivar:** HUANG YAN FANG PU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2961. **other id:** MAC9192-7424. Cultivated. Seed.
- PI 566295 **origin:** China. **origin institute id:** 117802. **cultivar:** HUANG YAN LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2962. **other id:** MAC9192-7426. Cultivated. Seed.
- PI 566296 **origin:** China. **origin institute id:** 117803. **cultivar:** HUANG YAN LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2963. **other id:** MAC9192-7428. Cultivated. Seed.
- PI 566297 **origin:** China. **origin institute id:** 117806. **cultivar:** WEN LING LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2966. **other id:** MAC9192-7434. Cultivated. Seed.
- PI 566298 **origin:** China. **origin institute id:** 117807. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2968. **other id:** MAC9192-7436. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566299 **origin:** China. **origin institute id:** 117808. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2969. **other id:** MAC9192-7438. Cultivated. Seed.
- PI 566300 **origin:** China. **origin institute id:** 117809. **cultivar:** YU HUAN NAN TIAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2970. **other id:** MAC9192-7440. Cultivated. Seed.
- PI 566301 **origin:** China. **origin institute id:** 117810. **cultivar:** YU HUAN HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2971. **other id:** MAC9192-7442. Cultivated. Seed.
- PI 566302 **origin:** China. **origin institute id:** 117811. **cultivar:** WEN ZHONG HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2972. **other id:** MAC9192-7444. Cultivated. Seed.
- PI 566303 **origin:** China. **origin institute id:** 117813. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2975. **other id:** MAC9192-7448. Cultivated. Seed.
- PI 566304 **origin:** China. **origin institute id:** 117814. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2976. **other id:** MAC9192-7450. Cultivated. Seed.
- PI 566305 **origin:** China. **origin institute id:** 117815. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2977. **other id:** MAC9192-7452. Cultivated. Seed.
- PI 566306 **origin:** China. **origin institute id:** 117818. **cultivar:** LE QING LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2980. **other id:** MAC9192-7454. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 566307 **origin:** China. **origin institute id:** 117820. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2982. **other id:** MAC9192-7458. Cultivated. Seed.
- PI 566308 **origin:** China. **origin institute id:** 117821. **cultivar:** YONG JIA YOU MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2983. **other id:** MAC9192-7460. Cultivated. Seed.
- PI 566309 **origin:** China. **origin institute id:** 117822. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2985. **other id:** MAC9192-7462. Cultivated. Seed.
- PI 566310 **origin:** China. **origin institute id:** 117823. **cultivar:** YONG JIA BAI CHANG TOU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2986. **other id:** MAC9192-7464. Cultivated. Seed.
- PI 566311 **origin:** China. **origin institute id:** 117824. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2987. **other id:** MAC9192-7466. Cultivated. Seed.
- PI 566312 **origin:** China. **origin institute id:** 117825. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2988. **other id:** MAC9192-7468. Cultivated. Seed.
- PI 566313 **origin:** China. **origin institute id:** 117826. **cultivar:** DONG TOU YOU MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2991. **other id:** MAC9192-7470. Cultivated. Seed.
- PI 566314 **origin:** China. **origin institute id:** 117827. **cultivar:** DONG TOU BAI MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2992. **other id:** MAC9192-7472. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566315 **origin:** China. **origin institute id:** 117828. **cultivar:** DONG TOU HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2993. **other id:** MAC9192-7474. Cultivated. Seed.
- PI 566316 **origin:** China. **origin institute id:** 117829. **cultivar:** TANG XI LIUO JIAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2994. **other id:** MAC9192-7476. Cultivated. Seed.
- PI 566317 **origin:** China. **origin institute id:** 117830. **cultivar:** TANG XI LIUO JIAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2995. **other id:** MAC9192-7478. Cultivated. Seed.
- PI 566318 **origin:** China. **origin institute id:** 117831. **cultivar:** PU JIANG CHAO TIAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2997. **other id:** MAC9192-7480. Cultivated. Seed.
- PI 566319 **origin:** China. **origin institute id:** 117832. **cultivar:** PU JIANG LIU JIE PU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2998. **other id:** MAC9192-7482. Cultivated. Seed.
- PI 566320 **origin:** China. **origin institute id:** 117833. **cultivar:** LAN XI JIN HUA ZHONG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 2999. **other id:** MAC9192-7484. Cultivated. Seed.
- PI 566321 **origin:** China. **origin institute id:** 117834. **cultivar:** LAN XI BAN CHI ZAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3000. **other id:** MAC9192-7486. Cultivated. Seed.
- PI 566322 **origin:** China. **origin institute id:** 117835. **cultivar:** YI WU HONG KE LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3002. **other id:** MAC9192-7488. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566323 **origin:** China. **origin institute id:** 117836. **cultivar:** DONG YANG HONG LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3004. **other id:** MAC9192-7490. Cultivated. Seed.
- PI 566324 **origin:** China. **origin institute id:** 117837. **cultivar:** DONG YANG SONG PU ZHI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3005. **other id:** MAC9192-7492. Cultivated. Seed.
- PI 566325 **origin:** China. **origin institute id:** 117838. **cultivar:** DONG YANG ZAO LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3006. **other id:** MAC9192-7494. Cultivated. Seed.
- PI 566326 **origin:** China. **origin institute id:** 117842. **cultivar:** YONG KANG HONG LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3011. **other id:** MAC9192-7502. Cultivated. Seed.
- PI 566327 **origin:** China. **origin institute id:** 117843. **cultivar:** WU YI WAN LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3012. **other id:** MAC9192-7504. Cultivated. Seed.
- PI 566328 **origin:** China. **origin institute id:** 117844. **cultivar:** XUAN PING LIU LENG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3013. **other id:** MAC9192-7506. Cultivated. Seed.
- PI 566329 **origin:** China. **origin institute id:** 117845. **cultivar:** QU XIAN BA JIAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3014. **other id:** MAC9192-7508. Cultivated. Seed.
- PI 566330 **origin:** China. **origin institute id:** 117846. **cultivar:** LONG YOU BA JIAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3015. **other id:** MAC9192-7510. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566331 **origin:** China. **origin institute id:** 117848. **cultivar:** KAI HUA LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3017. **other id:** MAC9192-7514. Cultivated. Seed.
- PI 566332 **origin:** China. **origin institute id:** 117849. **cultivar:** KAI HUA XIAN HONG ZI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3018. **other id:** MAC9192-7516. Cultivated. Seed.
- PI 566333 **origin:** China. **origin institute id:** 117850. **cultivar:** KAI HUA LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3019. **other id:** MAC9192-7518. Cultivated. Seed.
- PI 566334 **origin:** China. **origin institute id:** 117851. **cultivar:** JING NING YOU FU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3020. **other id:** MAC9192-7520. Cultivated. Seed.
- PI 566335 **origin:** China. **origin institute id:** 117853. **cultivar:** LI SHUI LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3022. **other id:** MAC9192-7524. Cultivated. Seed.
- PI 566336 **origin:** China. **origin institute id:** 117854. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3023. **other id:** MAC9192-7526. Cultivated. Seed.
- PI 566337 **origin:** China. **origin institute id:** 117855. **cultivar:** JIN YUN HONG JIE DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3024. **other id:** MAC9192-7528. Cultivated. Seed.
- PI 566338 **origin:** China. **origin institute id:** 117856. **cultivar:** JIN YUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3025. **other id:** MAC9192-7530. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566339 **origin:** China. **origin institute id:** 117861. **cultivar:** QING TIAN WAN SHAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3032. **other id:** MAC9192-7540. Cultivated. Seed.
- PI 566340 **origin:** China. **origin institute id:** 117862. **cultivar:** QING TIAN LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3033. **other id:** MAC9192-7542. Cultivated. Seed.
- PI 566341 **origin:** China. **origin institute id:** 117863. **cultivar:** MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3034. **other id:** MAC9192-7544. Cultivated. Seed.
- PI 566342 **origin:** China. **origin institute id:** 117864. **cultivar:** ZAO SHU 41. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3035. **other id:** MAC9192-7546. Cultivated. Seed.
- PI 566343 **origin:** China. **origin institute id:** 117865. **cultivar:** ZAO SHU 43. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3036. **other id:** MAC9192-7548. Cultivated. Seed.
- PI 566344 **origin:** China. **origin institute id:** 117866. **cultivar:** YU HONG NUO MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3044. **other id:** MAC9192-7550. Cultivated. Seed.
- PI 566345 **origin:** China. **origin institute id:** 117867. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3046. **other id:** MAC9192-7552. Cultivated. Seed.
- PI 566346 **origin:** China. **origin institute id:** 117868. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3050. **other id:** MAC9192-7554. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566347 **origin:** China. **origin institute id:** 117869. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3051. **other id:** MAC9192-7556. Cultivated. Seed.
- PI 566348 **origin:** China. **origin institute id:** 117870. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3052. **other id:** MAC9192-7558. Cultivated. Seed.
- PI 566349 **origin:** China. **origin institute id:** 117879. **cultivar:** CHUN AN LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3067. **other id:** MAC9192-7566. Cultivated. Seed.
- PI 566350 **origin:** China. **origin institute id:** 117881. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3070. **other id:** MAC9192-7568. Cultivated. Seed.
- PI 566351 **origin:** China. **origin institute id:** 117882. **cultivar:** HAI YAN MAO CHONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3072. **other id:** MAC9192-7570. Cultivated. Seed.
- PI 566352 **origin:** China. **origin institute id:** 117888. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3091. **other id:** MAC9192-7582. Cultivated. Seed.
- PI 566353 **origin:** China. **origin institute id:** 117892. **cultivar:** XIN CHANG SONG HUA MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3097. **other id:** MAC9192-7584. Cultivated. Seed.
- PI 566354 **origin:** China. **origin institute id:** 117893. **cultivar:** YU YAO MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3099. **other id:** MAC9192-7586. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566355 **origin:** China. **origin institute id:** 117894. **cultivar:** YU YAO CHI HONG XIAN ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3103. **other id:** MAC9192-7588. Cultivated. Seed.
- PI 566356 **origin:** China. **origin institute id:** 117897. **cultivar:** SAN MEN LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3115. **other id:** MAC9192-7592. Cultivated. Seed.
- PI 566357 **origin:** China. **origin institute id:** 117898. **cultivar:** LIN HAI GHUANG TOU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3118. **other id:** MAC9192-7594. Cultivated. Seed.
- PI 566358 **origin:** China. **origin institute id:** 117899. **cultivar:** HUANG YAN SI LENG LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3120. **other id:** MAC9192-7596. Cultivated. Seed.
- PI 566359 **origin:** China. **origin institute id:** 117907. **cultivar:** TIAN TAI DA MAI MI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3132. **other id:** MAC9192-7604. Cultivated. Seed.
- PI 566360 **origin:** China. **origin institute id:** 117924. **cultivar:** PING YANG DA MAI NUO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3152. **other id:** MAC9192-7620. Cultivated. Seed.
- PI 566361 **origin:** China. **origin institute id:** 117925. **cultivar:** WEN CHENG HUANG MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3154. **other id:** MAC9192-7622. Cultivated. Seed.
- PI 566362 **origin:** China. **origin institute id:** 117926. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3155. **other id:** MAC9192-7624. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566363 **origin:** China. **origin institute id:** 117927. **cultivar:** WEN CHENG SI LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3158. **other id:** MAC9192-7626. Cultivated. Seed.
- PI 566364 **origin:** China. **origin institute id:** 117928. **cultivar:** YONG JIA WU MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3159. **other id:** MAC9192-7628. Cultivated. Seed.
- PI 566365 **origin:** China. **origin institute id:** 117929. **cultivar:** YONG JIA DAI MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3160. **other id:** MAC9192-7630. Cultivated. Seed.
- PI 566366 **origin:** China. **origin institute id:** 117934. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3165. **other id:** MAC9192-7638. Cultivated. Seed.
- PI 566367 **origin:** China. **origin institute id:** 117938. **cultivar:** DONG YANG YANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3179. **other id:** MAC9192-7646. Cultivated. Seed.
- PI 566368 **origin:** China. **origin institute id:** 117945. **cultivar:** SUI CHANG SI LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3201. **other id:** MAC9192-7658. Cultivated. Seed.
- PI 566369 **origin:** China. **origin institute id:** 117946. **cultivar:** SUI CHANG YANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3202. **other id:** MAC9192-7660. Cultivated. Seed.
- PI 566370 **origin:** China. **origin institute id:** 117950. **cultivar:** SI LENG QING PI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3207. **other id:** MAC9192-7666. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 566371 **origin:** China. **origin institute id:** 117952. **cultivar:** JING NING QING PI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3210. **other id:** MAC9192-7670. Cultivated. Seed.
- PI 566372 **origin:** China. **origin institute id:** 117958. **cultivar:** MI MAI 757. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3222. **other id:** MAC9192-7682. Cultivated. Seed.
- PI 566373 **origin:** China. **origin institute id:** 117960. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3227. **other id:** MAC9192-7686. Cultivated. Seed.
- PI 566374 **origin:** China. **origin institute id:** 117963. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3231. **other id:** MAC9192-7692. Cultivated. Seed.
- PI 566375 **origin:** China. **origin institute id:** 117964. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3232. **other id:** MAC9192-7694. Cultivated. Seed.
- PI 566376 **origin:** China. **origin institute id:** 117965. **cultivar:** LIN AN LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3234. **other id:** MAC9192-7696. Cultivated. Seed.
- PI 566377 **origin:** China. **origin institute id:** 117967. **cultivar:** TONG LU YANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3236. **other id:** MAC9192-7700. Cultivated. Seed.
- PI 566378 **origin:** China. **origin institute id:** 117968. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3237. **other id:** MAC9192-7702. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566379 **origin:** China. **origin institute id:** 117969. **cultivar:** HAI YAN LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3238. **other id:** MAC9192-7704. Cultivated. Seed.
- PI 566380 **origin:** China. **origin institute id:** 117979. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3269. **other id:** MAC9192-7724. Cultivated. Seed.
- PI 566381 **origin:** China. **origin institute id:** 117980. **cultivar:** XIAN JU DUAN LIU LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3274. **other id:** MAC9192-7726. Cultivated. Seed.
- PI 566382 **origin:** China. **origin institute id:** 117984. **cultivar:** YU HUAN LIU LENG MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3278. **other id:** MAC9192-7732. Cultivated. Seed.
- PI 566383 **origin:** China. **origin institute id:** 117988. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3282. **other id:** MAC9192-7740. Cultivated. Seed.
- PI 566384 **origin:** China. **origin institute id:** 117989. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3284. **other id:** MAC9192-7742. Cultivated. Seed.
- PI 566385 **origin:** China. **origin institute id:** 117992. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3290. **other id:** MAC9192-7748. Cultivated. Seed.
- PI 566386 **origin:** China. **origin institute id:** 117993. **cultivar:** LE QING FANG TOU LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3291. **other id:** MAC9192-7750. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566387 **origin:** China. **origin institute id:** 118001. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3308. **other id:** MAC9192-7766. Cultivated. Seed.
- PI 566388 **origin:** China. **origin institute id:** 118002. **cultivar:** TAI SHUN LIU LENG MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3309. **other id:** MAC9192-7768. Cultivated. Seed.
- PI 566389 **origin:** China. **origin institute id:** 118003. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3311. **other id:** MAC9192-7770. Cultivated. Seed.
- PI 566390 **origin:** China. **origin institute id:** 118004. **cultivar:** LAN XI LIU LENG MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3312. **other id:** MAC9192-7772. Cultivated. Seed.
- PI 566391 **origin:** China. **origin institute id:** 118009. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3317. **other id:** MAC9192-7782. Cultivated. Seed.
- PI 566392 **origin:** China. **origin institute id:** 118016. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3343. **other id:** MAC9192-7796. Cultivated. Seed.
- PI 566393 **origin:** China. **origin institute id:** 118018. **cultivar:** MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3364. **other id:** MAC9192-7800. Cultivated. Seed.
- PI 566394 **origin:** China. **origin institute id:** 118020. **cultivar:** MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3366. **other id:** MAC9192-7804. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566395 **origin:** China. **origin institute id:** 118021. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3367. **other id:** MAC9192-7806. Cultivated. Seed.
- PI 566396 **origin:** China. **origin institute id:** 118022. **cultivar:** HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3368. **other id:** MAC9192-7808. Cultivated. Seed.
- PI 566397 **origin:** China. **origin institute id:** 118023. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3369. **other id:** MAC9192-7810. Cultivated. Seed.
- PI 566398 **origin:** China. **origin institute id:** 118025. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3371. **other id:** MAC9192-7814. Cultivated. Seed.
- PI 566399 **origin:** China. **origin institute id:** 118033. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3385. **other id:** MAC9192-7830. Cultivated. Seed.
- PI 566400 **origin:** China. **origin institute id:** 118034. **cultivar:** LIU LENG ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3386. **other id:** MAC9192-7832. Cultivated. Seed.
- PI 566401 **origin:** China. **origin institute id:** 118035. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3422. **other id:** MAC9192-7834. Cultivated. Seed.
- PI 566402 **origin:** China. **origin institute id:** 118036. **cultivar:** 062 MI YU MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3461. **other id:** MAC9192-7836. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566403 **origin:** China. **origin institute id:** 118037. **cultivar:** QUAN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3472. **other id:** MAC9192-7838. Cultivated. Seed.
- PI 566404 **origin:** China. **origin institute id:** 118039. **cultivar:** XIN 48 MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3503. **other id:** MAC9192-7842. Cultivated. Seed.
- PI 566405 **origin:** China. **origin institute id:** 118041. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3505. **other id:** MAC9192-7846. **other id:** 2068. Cultivated. Seed.
- PI 566406 **origin:** China. **origin institute id:** 118042. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3506. **other id:** MAC9192-7848. **other id:** 3449. Cultivated. Seed.
- PI 566407 **origin:** China. **origin institute id:** 118043. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3507. **other id:** MAC9192-7850. **other id:** 2172. Cultivated. Seed.
- PI 566408 **origin:** China. **origin institute id:** 118044. **cultivar:** 3045 MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3511. **other id:** MAC9192-7852. Cultivated. Seed.
- PI 566409 **origin:** China. **origin institute id:** 118045. **cultivar:** DAO XIAN PI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3513. **other id:** MAC9192-7854. Cultivated. Seed.
- PI 566410 **origin:** China. **origin institute id:** 118047. **cultivar:** HUA YUAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3531. **other id:** MAC9192-7858. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566411 **origin:** China. **origin institute id:** 118049. **cultivar:** LAO WU HU XU MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3549. **other id:** MAC9192-7862. Cultivated. Seed.
- PI 566412 **origin:** China. **origin institute id:** 118050. **cultivar:** HE SHANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3550. **other id:** MAC9192-7864. Cultivated. Seed.
- PI 566413 **origin:** China. **origin institute id:** 118051. **cultivar:** LAO WU HU XU MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3551. **other id:** MAC9192-7866. Cultivated. Seed.
- PI 566414 **origin:** China. **origin institute id:** 118053. **cultivar:** WU MAI ZI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3571. **other id:** MAC9192-7870. Cultivated. Seed.
- PI 566415 **origin:** China. **origin institute id:** 118054. **cultivar:** XIAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 3939. **other id:** MAC9192-7872. Cultivated. Seed.
- PI 566416 **origin:** China. **origin institute id:** 118056. **cultivar:** HUANG QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 4063. **other id:** MAC9192-7876. Cultivated. Seed.
- PI 566417 **origin:** China. **origin institute id:** 118057. **cultivar:** HIE QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 4072. **other id:** MAC9192-7878. Cultivated. Seed.
- PI 566418 **origin:** China. **origin institute id:** 118069. **cultivar:** LIU LENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 4145. **other id:** MAC9192-7900. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566419 **origin:** China. **origin institute id:** 118070. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 4156. **other id:** MAC9192-7902. Cultivated. Seed.
- PI 566420 **origin:** China. **origin institute id:** 118071. **cultivar:** WU SHEN YANG CAO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5202. **other id:** MAC9192-7904. Cultivated. Seed.
- PI 566421 **origin:** China. **origin institute id:** 118072. **cultivar:** LIANG CHEN MI SUI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5203. **other id:** MAC9192-7906. Cultivated. Seed.
- PI 566422 **origin:** China. **origin institute id:** 118074. **cultivar:** DONG SHENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5205. **other id:** MAC9192-7910. Cultivated. Seed.
- PI 566423 **origin:** China. **origin institute id:** 118079. **cultivar:** WU SHEN LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5210. **other id:** MAC9192-7920. Cultivated. Seed.
- PI 566424 **origin:** China. **origin institute id:** 118080. **cultivar:** DA QI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5211. **other id:** MAC9192-7922. Cultivated. Seed.
- PI 566425 **origin:** China. **origin institute id:** 118081. **cultivar:** E QI QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5212. **other id:** MAC9192-7924. Cultivated. Seed.
- PI 566426 **origin:** China. **origin institute id:** 118082. **cultivar:** WU SU LI JIANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5231. **other id:** MAC9192-7926. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566427 **origin:** China. **origin institute id:** 118083. **cultivar:** NU MA ER LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5232. **other id:** MAC9192-7928. Cultivated. Seed.
- PI 566428 **origin:** China. **origin institute id:** 118084. **cultivar:** HEI YUAN 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5233. **other id:** MAC9192-7930. Cultivated. Seed.
- PI 566429 **origin:** China. **origin institute id:** 118085. **cultivar:** KE LIN PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5234. **other id:** MAC9192-7932. Cultivated. Seed.
- PI 566430 **origin:** China. **origin institute id:** 118086. **cultivar:** YAN SHOU CHUN SHAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5235. **other id:** MAC9192-7934. Cultivated. Seed.
- PI 566431 **origin:** China. **origin institute id:** 118087. **cultivar:** YUAN BAI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5236. **other id:** MAC9192-7936. Cultivated. Seed.
- PI 566432 **origin:** China. **origin institute id:** 118088. **cultivar:** YUAN BAI 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5237. **other id:** MAC9192-7938. Cultivated. Seed.
- PI 566433 **origin:** China. **origin institute id:** 118095. **cultivar:** AL GAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5244. **other id:** MAC9192-7952. Cultivated. Seed.
- PI 566434 **origin:** China. **origin institute id:** 118097. **cultivar:** BAI LUO MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5246. **other id:** MAC9192-7956. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 566435 **origin:** China. **origin institute id:** 118100. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5264. **other id:** MAC9192-7962. Cultivated. Seed.
- PI 566436 **origin:** China. **origin institute id:** 118103. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5267. **other id:** MAC9192-7968. Cultivated. Seed.
- PI 566437 **origin:** China. **origin institute id:** 118105. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5269. **other id:** MAC9192-7972. Cultivated. Seed.
- PI 566438 **origin:** China. **origin institute id:** 118106. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5270. **other id:** MAC9192-7974. Cultivated. Seed.
- PI 566439 **origin:** China. **origin institute id:** 118111. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5275. **other id:** MAC9192-7984. Cultivated. Seed.
- PI 566440 **origin:** China. **origin institute id:** 118116. **cultivar:** LIU DAN ZHUN. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5280. **other id:** MAC9192-7994. Cultivated. Seed.
- PI 566441 **origin:** China. **origin institute id:** 118118. **cultivar:** MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5283. **other id:** MAC9192-7998. Cultivated. Seed.
- PI 566442 **origin:** China. **origin institute id:** 118119. **cultivar:** XING ZI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5285. **other id:** MAC9192-8000. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566443 **origin:** China. **origin institute id:** 118120. **cultivar:** YU GONG XU MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5286. **other id:** MAC9192-8002. Cultivated. Seed.
- PI 566444 **origin:** China. **origin institute id:** 118121. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5288. **other id:** MAC9192-8004. Cultivated. Seed.
- PI 566445 **origin:** China. **origin institute id:** 118122. **cultivar:** YUAN MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5289. **other id:** MAC9192-8006. Cultivated. Seed.
- PI 566446 **origin:** China. **origin institute id:** 118127. **cultivar:** MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5295. **other id:** MAC9192-8016. Cultivated. Seed.
- PI 566447 **origin:** China. **origin institute id:** 118131. **cultivar:** SAN YUE HUANG DONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5299. **other id:** MAC9192-8024. Cultivated. Seed.
- PI 566448 **origin:** China. **origin institute id:** 118133. **cultivar:** QING DAO MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5303. **other id:** MAC9192-8028. Cultivated. Seed.
- PI 566449 **origin:** China. **origin institute id:** 118134. **cultivar:** TAI AN MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5304. **other id:** MAC9192-8030. Cultivated. Seed.
- PI 566450 **origin:** China. **origin institute id:** 118135. **cultivar:** SO CAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5306. **other id:** MAC9192-8032. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566451 **origin:** China. **origin institute id:** 118137. **cultivar:** ZOU XIAN SONG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5308. **other id:** MAC9192-8036. Cultivated. Seed.
- PI 566452 **origin:** China. **origin institute id:** 118139. **cultivar:** CHUN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5311. **other id:** MAC9192-8040. Cultivated. Seed.
- PI 566453 **origin:** China. **origin institute id:** 118140. **cultivar:** JU XIAN LUO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5314. **other id:** MAC9192-8042. Cultivated. Seed.
- PI 566454 **origin:** China. **origin institute id:** 118141. **cultivar:** TAI ZHANG TU TOU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5315. **other id:** MAC9192-8044. Cultivated. Seed.
- PI 566455 **origin:** China. **origin institute id:** 118142. **cultivar:** LAI WU ZI MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5316. **other id:** MAC9192-8046. Cultivated. Seed.
- PI 566456 **origin:** China. **origin institute id:** 118143. **cultivar:** ZHU CHENG MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5317. **other id:** MAC9192-8048. Cultivated. Seed.
- PI 566457 **origin:** China. **origin institute id:** 118144. **cultivar:** TO GU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5318. **other id:** MAC9192-8050. Cultivated. Seed.
- PI 566458 **origin:** China. **origin institute id:** 118146. **cultivar:** BO SHAN DONG MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5321. **other id:** MAC9192-8054. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566459 **origin:** China. **origin institute id:** 118147. **cultivar:** XIN TAI MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5322. **other id:** MAC9192-8056. Cultivated. Seed.
- PI 566460 **origin:** China. **origin institute id:** 118152. **cultivar:** BA GU TAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5327. **other id:** MAC9192-8066. Cultivated. Seed.
- PI 566461 **origin:** China. **origin institute id:** 118153. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5328. **other id:** MAC9192-8068. Cultivated. Seed.
- PI 566462 **origin:** China. **origin institute id:** 118154. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5329. **other id:** MAC9192-8070. Cultivated. Seed.
- PI 566463 **origin:** China. **origin institute id:** 118155. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5330. **other id:** MAC9192-8072. Cultivated. Seed.
- PI 566464 **origin:** China. **origin institute id:** 118156. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5331. **other id:** MAC9192-8074. Cultivated. Seed.
- PI 566465 **origin:** China. **origin institute id:** 118157. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5332. **other id:** MAC9192-8076. Cultivated. Seed.
- PI 566466 **origin:** China. **origin institute id:** 118158. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5333. **other id:** MAC9192-8078. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566467 **origin:** China. **origin institute id:** 118159. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5334. **other id:** MAC9192-8080. Cultivated. Seed.
- PI 566468 **origin:** China. **origin institute id:** 118160. **cultivar:** SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5335. **other id:** MAC9192-8082. Cultivated. Seed.
- PI 566469 **origin:** China. **origin institute id:** 118162. **cultivar:** MU GANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5337. **other id:** MAC9192-8086. Cultivated. Seed.
- PI 566470 **origin:** China. **origin institute id:** 118165. **cultivar:** MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5340. **other id:** MAC9192-8092. Cultivated. Seed.
- PI 566471 **origin:** China. **origin institute id:** 118167. **cultivar:** MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5342. **other id:** MAC9192-8096. Cultivated. Seed.
- PI 566472 **origin:** China. **origin institute id:** 118169. **cultivar:** DA LUO CHUI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5344. **other id:** MAC9192-8100. Cultivated. Seed.
- PI 566473 **origin:** China. **origin institute id:** 118170. **cultivar:** BEN DI SAN YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5345. **other id:** MAC9192-8102. Cultivated. Seed.
- PI 566474 **origin:** China. **origin institute id:** 118171. **cultivar:** SI YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5346. **other id:** MAC9192-8104. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566475 **origin:** China. **origin institute id:** 118172. **cultivar:** SI YUE HUANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5347. **other id:** MAC9192-8106. Cultivated. Seed.
- PI 566476 **origin:** China. **origin institute id:** 118173. **cultivar:** HONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5348. **other id:** MAC9192-8108. Cultivated. Seed.
- PI 566477 **origin:** China. **origin institute id:** 118174. **cultivar:** HONG KE DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5349. **other id:** MAC9192-8110. Cultivated. Seed.
- PI 566478 **origin:** China. **origin institute id:** 118175. **cultivar:** HUA WEI BA. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5350. **other id:** MAC9192-8112. Cultivated. Seed.
- PI 566479 **origin:** China. **origin institute id:** 118176. **cultivar:** QING BA GU TAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5351. **other id:** MAC9192-8114. Cultivated. Seed.
- PI 566480 **origin:** China. **origin institute id:** 118177. **cultivar:** BEN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5352. **other id:** MAC9192-8116. Cultivated. Seed.
- PI 566481 **origin:** China. **origin institute id:** 118178. **cultivar:** BEN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5353. **other id:** MAC9192-8118. Cultivated. Seed.
- PI 566482 **origin:** China. **origin institute id:** 118180. **cultivar:** BA GU TAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5355. **other id:** MAC9192-8122. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566483 **origin:** China. **origin institute id:** 118183. **cultivar:** WU MI MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5358. **other id:** MAC9192-8128. Cultivated. Seed.
- PI 566484 **origin:** China. **origin institute id:** 118187. **cultivar:** MI DA MI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5362. **other id:** MAC9192-8136. Cultivated. Seed.
- PI 566485 **origin:** China. **origin institute id:** 118189. **cultivar:** SHUAN SHU QU. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5364. **other id:** MAC9192-8140. Cultivated. Seed.
- PI 566486 **origin:** China. **origin institute id:** 118190. **cultivar:** HEI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5365. **other id:** MAC9192-8142. Cultivated. Seed.
- PI 566487 **origin:** China. **origin institute id:** 118191. **cultivar:** ER LENG DA MAI 30-1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5383. **other id:** MAC9192-8144. Cultivated. Seed.
- PI 566488 **origin:** China. **origin institute id:** 118192. **cultivar:** ZI CHANG GOU LUO ER LENG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5388. **other id:** MAC9192-8146. Cultivated. Seed.
- PI 566489 **origin:** China. **origin institute id:** 118193. **cultivar:** YE DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5395. **other id:** MAC9192-8148. Cultivated. Seed.
- PI 566490 **origin:** China. **origin institute id:** 118194. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5406. **other id:** MAC9192-8150. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566491 **origin:** China. **origin institute id:** 118195. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5407. **other id:** MAC9192-8152. Cultivated. Seed.
- PI 566492 **origin:** China. **origin institute id:** 118196. **cultivar:** MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5408. **other id:** MAC9192-8154. Cultivated. Seed.
- PI 566493 **origin:** China. **origin institute id:** 118197. **cultivar:** DUAN MANG BAI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5409. **other id:** MAC9192-8156. Cultivated. Seed.
- PI 566494 **origin:** China. **origin institute id:** 118198. **cultivar:** DUAN MANG BAI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5410. **other id:** MAC9192-8158. Cultivated. Seed.
- PI 566495 **origin:** China. **origin institute id:** 118199. **cultivar:** DUAN MANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5411. **other id:** MAC9192-8160. Cultivated. Seed.
- PI 566496 **origin:** China. **origin institute id:** 118201. **cultivar:** DUAN MANG. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5413. **other id:** MAC9192-8164. Cultivated. Seed.
- PI 566497 **origin:** China. **origin institute id:** 118202. **cultivar:** LU QUAN 5 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5414. **other id:** MAC9192-8166. Cultivated. Seed.
- PI 566498 **origin:** China. **origin institute id:** 118203. **cultivar:** LU QUAN 6 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5415. **other id:** MAC9192-8168. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 566499 **origin:** China. **origin institute id:** 118204. **cultivar:** LU QUAN 7 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5416. **other id:** MAC9192-8170. Cultivated. Seed.
- PI 566500 **origin:** China. **origin institute id:** 118205. **cultivar:** LU QUAN 8 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5417. **other id:** MAC9192-8172. Cultivated. Seed.
- PI 566501 **origin:** China. **origin institute id:** 118206. **cultivar:** LU QUAN 9 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5418. **other id:** MAC9192-8174. Cultivated. Seed.
- PI 566502 **origin:** China. **origin institute id:** 118207. **cultivar:** LU QUAN 10 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5419. **other id:** MAC9192-8176. Cultivated. Seed.
- PI 566503 **origin:** China. **origin institute id:** 118208. **cultivar:** LU QUAN 11 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5420. **other id:** MAC9192-8178. Cultivated. Seed.
- PI 566504 **origin:** China. **origin institute id:** 118209. **cultivar:** LU QUAN 12 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5421. **other id:** MAC9192-8180. Cultivated. Seed.
- PI 566505 **origin:** China. **origin institute id:** 118210. **cultivar:** LU QUAN 13 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5422. **other id:** MAC9192-8182. Cultivated. Seed.
- PI 566506 **origin:** China. **origin institute id:** 118211. **cultivar:** LU QUAN 14 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5423. **other id:** MAC9192-8184. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566507 **origin:** China. **origin institute id:** 118212. **cultivar:** LU QUAN 17 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5424. **other id:** MAC9192-8186. Cultivated. Seed.
- PI 566508 **origin:** China. **origin institute id:** 118213. **cultivar:** LU QUAN 18 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5425. **other id:** MAC9192-8188. Cultivated. Seed.
- PI 566509 **origin:** China. **origin institute id:** 118214. **cultivar:** LU QUAN 19 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5426. **other id:** MAC9192-8190. Cultivated. Seed.
- PI 566510 **origin:** China. **origin institute id:** 118215. **cultivar:** LU QUAN 20 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5427. **other id:** MAC9192-8192. Cultivated. Seed.
- PI 566511 **origin:** China. **origin institute id:** 118216. **cultivar:** LU QUAN 21 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5428. **other id:** MAC9192-8194. Cultivated. Seed.
- PI 566512 **origin:** China. **origin institute id:** 118218. **cultivar:** LU QUAN 32 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5431. **other id:** MAC9192-8198. Cultivated. Seed.
- PI 566513 **origin:** China. **origin institute id:** 118219. **cultivar:** LU QUAN 34 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5433. **other id:** MAC9192-8200. Cultivated. Seed.
- PI 566514 **origin:** China. **origin institute id:** 118220. **cultivar:** LU QUAN 35 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5434. **other id:** MAC9192-8202. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566515 **origin:** China. **origin institute id:** 118221. **cultivar:** LU QUAN 36 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5435. **other id:** MAC9192-8204. Cultivated. Seed.
- PI 566516 **origin:** China. **origin institute id:** 118223. **cultivar:** LU QUAN 37 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5440. **other id:** MAC9192-8208. Cultivated. Seed.
- PI 566517 **origin:** China. **origin institute id:** 118224. **cultivar:** LU QUAN 38 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5441. **other id:** MAC9192-8210. Cultivated. Seed.
- PI 566518 **origin:** China. **origin institute id:** 118225. **cultivar:** LU QUAN 39 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5442. **other id:** MAC9192-8212. Cultivated. Seed.
- PI 566519 **origin:** China. **origin institute id:** 118226. **cultivar:** JIU JIU MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 5443. **other id:** MAC9192-8214. Cultivated. Seed.
- PI 566520 **origin:** China. **origin institute id:** 118229. **cultivar:** MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7786. **other id:** MAC9192-8220. Cultivated. Seed.
- PI 566521 **origin:** China. **origin institute id:** 118231. **cultivar:** CHANG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7790. **other id:** MAC9192-8224. Cultivated. Seed.
- PI 566522 **origin:** China. **origin institute id:** 118232. **cultivar:** CHANG MANG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7791. **other id:** MAC9192-8226. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566523 **origin:** China. **origin institute id:** 118236. **cultivar:** AN KANG MAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7803. **other id:** MAC9192-8234. Cultivated. Seed.
- PI 566524 **origin:** China. **origin institute id:** 118237. **cultivar:** FO PING DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7804. **other id:** MAC9192-8236. Cultivated. Seed.
- PI 566525 **origin:** China. **origin institute id:** 118239. **cultivar:** YI CHUAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7807. **other id:** MAC9192-8240. Cultivated. Seed.
- PI 566526 **origin:** China. **origin institute id:** 118241. **cultivar:** LUO NAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7810. **other id:** MAC9192-8244. Cultivated. Seed.
- PI 566527 **origin:** China. **origin institute id:** 118244. **cultivar:** LIU BA DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7813. **other id:** MAC9192-8250. Cultivated. Seed.
- PI 566528 **origin:** China. **origin institute id:** 118246. **cultivar:** SHANG NAN DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7816. **other id:** MAC9192-8254. Cultivated. Seed.
- PI 566529 **origin:** China. **origin institute id:** 118247. **cultivar:** PU TONG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7817. **other id:** MAC9192-8256. Cultivated. Seed.
- PI 566530 **origin:** China. **origin institute id:** 118248. **cultivar:** PU CHENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7818. **other id:** MAC9192-8258. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566531 **origin:** China. **origin institute id:** 118249. **cultivar:** CHENG CHENG LAO DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7820. **other id:** MAC9192-8260. Cultivated. Seed.
- PI 566532 **origin:** China. **origin institute id:** 118250. **cultivar:** CHANG MANG QING KE. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7821. **other id:** MAC9192-8262. Cultivated. Seed.
- PI 566533 **origin:** China. **origin institute id:** 118251. **cultivar:** MI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 7824. **other id:** MAC9192-8264. Cultivated. Seed.
- PI 566534 **origin:** China. **origin institute id:** 118252. **cultivar:** DA LI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8233. **other id:** MAC9192-8266. Cultivated. Seed.
- PI 566535 **origin:** China. **origin institute id:** 118253. **cultivar:** JING PI A 321-1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8234. **other id:** MAC9192-8268. Cultivated. Seed.
- PI 566536 **origin:** China. **origin institute id:** 118254. **cultivar:** JING PI A 341-1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8235. **other id:** MAC9192-8270. Cultivated. Seed.
- PI 566537 **origin:** China. **origin institute id:** 118255. **cultivar:** JING PI A 341-2. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8236. **other id:** MAC9192-8272. Cultivated. Seed.
- PI 566538 **origin:** China. **origin institute id:** 118256. **cultivar:** JING PI A 354-2. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8237. **other id:** MAC9192-8274. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566539 **origin:** China. **origin institute id:** 118257. **cultivar:** JING PI A 354-7. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8238. **other id:** MAC9192-8276. Cultivated. Seed.
- PI 566540 **origin:** China. **origin institute id:** 118258. **cultivar:** JING PI A 380-1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8239. **other id:** MAC9192-8278. Cultivated. Seed.
- PI 566541 **origin:** China. **origin institute id:** 118259. **cultivar:** JING PI A 401-8. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8240. **other id:** MAC9192-8280. Cultivated. Seed.
- PI 566542 **origin:** China. **origin institute id:** 118260. **cultivar:** JING PI A 402-3. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8241. **other id:** MAC9192-8282. Cultivated. Seed.
- PI 566543 **origin:** China. **origin institute id:** 118261. **cultivar:** KE PIN 4 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8242. **other id:** MAC9192-8284. Cultivated. Seed.
- PI 566544 **origin:** China. **origin institute id:** 118262. **cultivar:** KE PIN 8 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8243. **other id:** MAC9192-8286. Cultivated. Seed.
- PI 566545 **origin:** China. **origin institute id:** 118263. **cultivar:** JING PI B 165-13. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8244. **other id:** MAC9192-8288. Cultivated. Seed.
- PI 566546 **origin:** China. **origin institute id:** 118264. **cultivar:** JING PI A 376-2. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8245. **other id:** MAC9192-8290. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566547 **origin:** China. **origin institute id:** 118265. **cultivar:** JING PI B 188-9. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8246. **other id:** MAC9192-8292. Cultivated. Seed.
- PI 566548 **origin:** China. **origin institute id:** 118266. **cultivar:** JING PI C 208-1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8247. **other id:** MAC9192-8294. Cultivated. Seed.
- PI 566549 **origin:** China. **origin institute id:** 118267. **cultivar:** JING PI C 232-6. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8248. **other id:** MAC9192-8296. Cultivated. Seed.
- PI 566550 **origin:** China. **origin institute id:** 118268. **cultivar:** JING PI C 233-4. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8249. **other id:** MAC9192-8298. Cultivated. Seed.
- PI 566551 **origin:** China. **origin institute id:** 118269. **cultivar:** JING PI C 235-5. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8250. **other id:** MAC9192-8300. Cultivated. Seed.
- PI 566552 **origin:** China. **origin institute id:** 118270. **cultivar:** JING PI C 267-6. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8251. **other id:** MAC9192-8302. Cultivated. Seed.
- PI 566553 **origin:** China. **origin institute id:** 118272. **cultivar:** HAN 33. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8261. **other id:** MAC9192-8306. Cultivated. Seed.
- PI 566554 **origin:** China. **origin institute id:** 118273. **cultivar:** HAN 84-171. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8263. **other id:** MAC9192-8308. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566555 **origin:** China. **origin institute id:** 118275. **cultivar:** HAN 85-222. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8266. **other id:** MAC9192-8312. Cultivated. Seed.
- PI 566556 **origin:** China. **origin institute id:** 118277. **cultivar:** FU 8. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8268. **other id:** MAC9192-8316. Cultivated. Seed.
- PI 566557 **origin:** China. **origin institute id:** 118278. **cultivar:** HU MAI 8 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8270. **other id:** MAC9192-8318. Cultivated. Seed.
- PI 566558 **origin:** China. **origin institute id:** 118279. **cultivar:** HU MAI 10 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8271. **other id:** MAC9192-8320. Cultivated. Seed.
- PI 566559 **origin:** China. **origin institute id:** 118280. **cultivar:** E DONG 85-1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8306. **other id:** MAC9192-8322. Cultivated. Seed.
- PI 566560 **origin:** China. **origin institute id:** 118281. **cultivar:** E NONG 82-1. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8307. **other id:** MAC9192-8324. Cultivated. Seed.
- PI 566561 **origin:** China. **origin institute id:** 118282. **cultivar:** E NONG 82-648. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8308. **other id:** MAC9192-8326. Cultivated. Seed.
- PI 566562 **origin:** China. **origin institute id:** 118283. **cultivar:** E NONG 82-6003. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8309. **other id:** MAC9192-8328. Cultivated. Seed.



PI 565513 to 566588-continued

- PI 566563 **origin:** China. **origin institute id:** 118284. **cultivar:** E NONG 84-9115. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8310. **other id:** MAC9192-8330. Cultivated. Seed.
- PI 566564 **origin:** China. **origin institute id:** 118285. **cultivar:** E NONG 84-9133. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8311. **other id:** MAC9192-8332. Cultivated. Seed.
- PI 566565 **origin:** China. **origin institute id:** 118286. **cultivar:** E NONG 84-9301. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8312. **other id:** MAC9192-8334. Cultivated. Seed.
- PI 566566 **origin:** China. **origin institute id:** 118287. **cultivar:** E NONG FU DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8313. **other id:** MAC9192-8336. Cultivated. Seed.
- PI 566567 **origin:** China. **origin institute id:** 118289. **cultivar:** E JING 151. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8315. **other id:** MAC9192-8338. Cultivated. Seed.
- PI 566568 **origin:** China. **origin institute id:** 118290. **cultivar:** E JING 191. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8316. **other id:** MAC9192-8340. Cultivated. Seed.
- PI 566569 **origin:** China. **origin institute id:** 118291. **cultivar:** E JING 216. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8317. **other id:** MAC9192-8342. Cultivated. Seed.
- PI 566570 **origin:** China. **origin institute id:** 118292. **cultivar:** E JING 233. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8318. **other id:** MAC9192-8344. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566571 **origin:** China. **origin institute id:** 118293. **cultivar:** E JING 257. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8319. **other id:** MAC9192-8346. Cultivated. Seed.
- PI 566572 **origin:** China. **origin institute id:** 118295. **cultivar:** E JING 355. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8321. **other id:** MAC9192-8350. Cultivated. Seed.
- PI 566573 **origin:** China. **origin institute id:** 118296. **cultivar:** E XI 76-4. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8322. **other id:** MAC9192-8352. Cultivated. Seed.
- PI 566574 **origin:** China. **origin institute id:** 118297. **cultivar:** E LIANG 3040. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8323. **other id:** MAC9192-8354. Cultivated. Seed.
- PI 566575 **origin:** China. **origin institute id:** 118298. **cultivar:** E LIANG 6121. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8324. **other id:** MAC9192-8356. Cultivated. Seed.
- PI 566576 **origin:** China. **origin institute id:** 118299. **cultivar:** E LIANG 52782. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8325. **other id:** MAC9192-8358. Cultivated. Seed.
- PI 566577 **origin:** China. **origin institute id:** 118300. **cultivar:** JING KE 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8253. **other id:** MAC9192-8360. Cultivated. Seed.
- PI 566578 **origin:** China. **origin institute id:** 118301. **cultivar:** JING KE 2 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8254. **other id:** MAC9192-8362. Cultivated. Seed.

PI 565513 to 566588-continued

- PI 566579 **origin:** China. **origin institute id:** 118302. **cultivar:** JING KE 4 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8255. **other id:** MAC9192-8364. Cultivated. Seed.
- PI 566580 **origin:** China. **origin institute id:** 118303. **cultivar:** JING KE 6 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8256. **other id:** MAC9192-8366. Cultivated. Seed.
- PI 566581 **origin:** China. **origin institute id:** 118304. **cultivar:** JING KE 8 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8257. **other id:** MAC9192-8368. Cultivated. Seed.
- PI 566582 **origin:** China. **origin institute id:** 118305. **cultivar:** JING KE 10 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8258. **other id:** MAC9192-8370. Cultivated. Seed.
- PI 566583 **origin:** China. **origin institute id:** 118306. **cultivar:** JING KE 11 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8259. **other id:** MAC9192-8372. Cultivated. Seed.
- PI 566584 **origin:** China. **origin institute id:** 118307. **cultivar:** JING KE 12 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8260. **other id:** MAC9192-8374. Cultivated. Seed.
- PI 566585 **origin:** China. **origin institute id:** 118308. **cultivar:** YU DA MAI 1 HAO. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 8305. **other id:** MAC9192-8376. Cultivated. Seed.
- PI 566586 **origin:** China. **origin institute id:** 118309. **cultivar:** BAO SHAN PI DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 4127. **other id:** MAC9192-8378. Cultivated. Seed.

PI 565513 to 566588-continued

PI 566587 **origin:** China. **origin institute id:** 118310. **cultivar:** TA CHENG DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 4128. **other id:** MAC9192-8380. Cultivated. Seed.

PI 566588 **origin:** China. **origin institute id:** 118312. **cultivar:** DA MAI. **collector:** Chinese Academy of Agric. Sciences, Beijing, and International Board for Plant Genetic Resources, Rome. **collector id:** ZDM 4130. **other id:** MAC9192-8382. Cultivated. Seed.

PI 566589 to 566590. *Lactuca sativa* L. ASTERACEAE Garden lettuce

**Donated by:** Schultz, M., Seed Bank, 143 Charles, Monroe, Washington 98272-2302, United States. Received February 02, 1993.

PI 566589 **origin:** United States. **cultivar:** GREEN WAVE. **other id:** W6 11341. **group:** W6. Annual. Cultivar. Seed.

PI 566590 **origin:** United States. **cultivar:** MAJESTIC RED. **other id:** W6 3772. **group:** W6. Annual. Cultivar. Seed.

PI 566591 to 566592. *Medicago* sp. FABACEAE

**Donated by:** Knowles, P.F., USDA-ARS, New Crops Research Branch, Crops Research Division, Beltsville, Maryland 20705, United States. Received September 04, 1958.

PI 566591 **origin:** Iran. **collected:** July 15, 1958. **collector:** P.K. Knowles. **collector id:** K1545. **other id:** W6 11358. **group:** W6. **locality:** Tabriz bazaar. **remarks:** One of three types in the collected seed of PI 250935. Plants produced burred pods. Wild. Seed.

PI 566592 **origin:** Iran. **collected:** July 15, 1958. **collector:** P.K. Knowles. **collector id:** K1545. **other id:** W6 11359. **group:** W6. **locality:** Tabriz bazaar. **remarks:** One of three types in the collected seed of PI 250935. Plants produced burrless pods. Wild. Seed.

PI 566593. *Triticum polonicum* L. POACEAE Wheat

**Donated by:** N.I Vavilov Institute of Plant Industry, 44 Herzen Street, St. Petersburg, Russian Federation. Received March 08, 1993.

PI 566593-continued

**origin:** Russian Federation. **source history:** Originally obtained from the U.S. **cultivar:** WHITE POLISH. **collector:** N.I. Vavilov Institute of Plant Industry, St. Petersburg. **collector id:** WIR 22209. **other id:** MAC9192-662. Cultivar. Seed.

PI 566594. *Triticum compactum* Host POACEAE Wheat

**Donated by:** Konzak, C.F., Washington Agr. Exp. Sta., Washington State University, Pullman, Washington 99164, United States; and Agricultural Research Service - USDA. Received March 08, 1993.

**origin:** United States. **developed:** C.F. Konzak. **origin institute:** Washington Agric. Exp. Station, Washington State University, Pullman, Washington 99164 United States. **origin institute id:** WUC 657. **source history:** Other ID: CA 790125-101S-1D-2D-4D-2D-1D-2D-OD. **cultivar:** CALORWA. **pedigree:** Aus 221/Inia//2\*Shasta/3/Tincurrin/Anza. **remarks:** Semi-dwarf, club spring wheat. Heading early to mid-season. Plant height slightly shorter than Penawawa. Moderate to high resistance to current races of stripe rust. Cultivar. Seed.

PI 566595 to 566596. *Triticum aestivum* L., nom. cons. POACEAE Wheat

**Donated by:** Konzak, C.F., Washington Agr. Exp. Sta., Washington State University, Pullman, Washington 99164, United States; and Agricultural Research Service - USDA. Received March 08, 1993.

PI 566595 **origin:** United States. **developed:** C.F. Konzak. **origin institute:** Washington Agric. Exp. Station, Washington State University, Pullman, Washington 99164 United States. **origin institute id:** WA 7715. **cultivar:** WADUAL 94. **pedigree:** Norona 843/Marfed Mutant 1844//Koelz. **remarks:** Single gene, semi-dwarf, spring wheat. Maturity midseason. Plant height and maturity similar to Wadual. Stripe, leaf and stem rust resistance similar to Wadual. Adaptation similar to Wadual. Cultivar. Seed.

PI 566596 **origin:** United States. **developed:** C.F. Konzak. **origin institute:** Washington Agric. Exp. Station, Washington State University, Pullman, Washington 99164 United States. **origin institute id:** WA 7677. **cultivar:** ALPOWA. **pedigree:** Fielder/Potam 70//Walladay/3/Walladay/Potam 70. **remarks:** Awned, common single gene, semi-dwarf, soft white spring wheat. Maturity mid-season. Heading equal to Penawawa, but maturity one day earlier. Cultivar. Seed.

PI 566597. *Ulmus hybrid* ULMACEAE

**Donated by:** Townsend, A.M., Agricultural Research Service - USDA, U.S. National Arboretum, 3501 New York Avenue, NE, Washington, District of Columbia 20002, United States. Received March 11, 1993.

**donor id:** NA 60071. **origin:** United States. **developed:** A.M. Townsend. **origin institute:** Agricultural Research Service - USDA, U.S. National Arboretum, 3501 New York Avenue, NE, Washington, District of Columbia 20002 United States. **cultivar:** PATRIOT. **pedigree:** Urban/sel. of *Ulmus Wilsoniana*. **remarks:** Crown moderately vase-shaped similar to that of an American elm. Leaves oblong-obovate, doubly serrate, average 103mm long x 74mm wide. Summer leaves green, gradually change to yellow in summer. At 13 yrs., 13.1m tall with crown spread of 7.6m. High resistance to Dutch elm. Moderate resistance to elm leaf beetle. Good cold and heat tolerance. Cold hardy to USDA Zone 4. Useful as street, highway, home or park tree. Tree. Cultivar. Budwd.

PI 566598. *Acer rubrum* L. ACERACEAE Red maple

**Donated by:** Townsend, A.M., Agricultural Research Service - USDA, U.S. National Arboretum, 3501 New York Avenue, NE, Washington, District of Columbia 20002, United States. Received March 11, 1993.

**donor id:** NA 56021. **origin:** United States. **developed:** A.M. Townsend. **origin institute:** Agricultural Research Service - USDA, U.S. National Arboretum, 3501 New York Avenue, NE, Washington, District of Columbia 20002 United States. **cultivar:** CUMBERLAND. **pedigree:** Seedling selection grown in Ohio from open-pollinated seed collected off trees growing near Norris, Tenn. **collected:** 1986. **remarks:** Crown moderately globed-shaped with dense foliage. Leaves average 103mm x 110mm wide. Summer leaf color green, autumn color red; spring leaf, flower, and fruit color also red. Bark light gray and smooth when young, gradually becoming dark gray and fissured into long scaly ridges. Good tolerance to potato leafhopper. Adaptable from USDA Zones 4 thru 8 with optimal success in Zones 5 - 7. Excellent street, lawn, highway or park tree. Tree. Cultivar. Budwd.

PI 566599 to 566608. *Cicer arietinum* L. FABACEAE

**Donated by:** Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Bldg. 003, Rm. 402, BARC-West, Beltsville, Maryland 20750, United States; and Maxted, N. Received October 04, 1991.

PI 566599 to 566608-continued

- PI 566599 **donor id:** 394. **origin:** Uzbekistan. **source history:** Seed originally obtained from Saratov.. **collected:** June 13, 1991. **collector:** N. Maxted, C.R. Sperling. **collector id:** 394. **other id:** W6 8257. **group:** W6. **locality:** Seed samples taken from storage at the Uzbek Institute of Grains near Gallya-Aral. **latitude:** 40 deg. 02 min. N. **longitude:** 067 deg. 36 min. E. **elevation:** 900m. **remarks:** Non-aschochyta resistant. Annual. Cultivated. Seed.
- PI 566600 **donor id:** 8154b. **origin:** Uzbekistan. **cultivar:** Melutinsky 6. **collected:** June 04, 1991. **collector:** N. Maxted, C.R. Sperling. **collector id:** 8154b. **other id:** 918261. **source:** N. Maxted. **other id:** W6 8258. **group:** W6. **locality:** Experimental plots (seed taken from storage) Uzbek Cereal Institute Field Station near Muzbuzulak. **latitude:** 39 deg. 44 min. N. **longitude:** 068 deg. 05 min. E. **elevation:** 1580m. Annual. Cultivated. Seed.
- PI 566601 **donor id:** 8258. **origin:** Kyrgyzstan. **collected:** June 24, 1991. **collector:** N. Maxted, C.R. Sperling. **collector id:** 8258. **other id:** 918258. **source:** N. Maxted. **other id:** W6 8259. **group:** W6. **locality:** Market stalls of Dzungar store holders, Bishkek. Annual. Wild. Seed.
- PI 566602 **donor id:** K-1179. **origin:** Uzbekistan. **source history:** Seed originally obtained from Azerbaijan.. **collected:** June 13, 1991. **collector:** N. Maxted, C.R. Sperling. **collector id:** K-1179. **other id:** W6 8260. **group:** W6. **locality:** Seed samples taken from storage at the Uzbek Institute of Grains near Gallya-Aral. **latitude:** 40 deg. 02 min. N. **longitude:** 067 deg. 36 min. E. **elevation:** 900m. **remarks:** Aschochyta resistant. Annual. Cultivated. Seed.
- PI 566603 **donor id:** K-1256. **origin:** Uzbekistan. **source history:** Seed originally obtained from Moldova.. **collected:** June 13, 1991. **collector:** N. Maxted, C.R. Sperling. **collector id:** K-1256. **other id:** W6 8261. **group:** W6. **locality:** Seed samples taken from storage at the Uzbek Institute of Grains near Gallya-Aral. **latitude:** 40 deg. 02 min. N. **longitude:** 067 deg. 36 min. E. **elevation:** 900m. **remarks:** Aschochyta resistant. Annual. Cultivated. Seed.

PI 566599 to 566608-continued

- PI 566604 **donor id:** K-1971. **origin:** Uzbekistan. **source history:** Seed originally obtained from Azerbaijan.. **collected:** June 13, 1991. **collector:** N. Maxted, C.R. Sperling. **collector id:** K-1971. **other id:** W6 8262. **group:** W6. **locality:** Seed samples taken from storage at the Uzbek Institute of Grains near Gallya-Aral. **latitude:** 40 deg. 02 min. N. **longitude:** 067 deg. 36 min. E. **elevation:** 900m. **remarks:** Aschochyta resistant. Annual. Cultivated. Seed.
- PI 566605 **donor id:** K-2180. **origin:** Uzbekistan. **source history:** Seed originally obtained from Azerbaijan.. **collected:** June 13, 1991. **collector:** N. Maxted, C.R. Sperling. **collector id:** K-2180. **other id:** W6 8263. **group:** W6. **locality:** Seed samples taken from storage at the Uzbek Institute of Grains near Gallya-Aral. **latitude:** 40 deg. 02 min. N. **longitude:** 067 deg. 36 min. E. **elevation:** 900m. **remarks:** Aschochyta resistant. Annual. Cultivated. Seed.
- PI 566606 **donor id:** K-2197. **origin:** Uzbekistan. **source history:** Seed originally obtained from Volgograd.. **collected:** June 13, 1991. **collector:** N. Maxted, C.R. Sperling. **collector id:** K-2197. **other id:** W6 8264. **group:** W6. **locality:** Seed samples taken from storage at the Uzbek Institute of Grains near Gallya-Aral. **latitude:** 40 deg. 02 min. N. **longitude:** 067 deg. 36 min. E. **elevation:** 900m. **remarks:** Aschochyta resistant. Annual. Cultivated. Seed.
- PI 566607 **donor id:** K-368. **origin:** Uzbekistan. **source history:** Seed originally obtained from Czechoslovakia.. **collected:** June 13, 1991. **collector:** N. Maxted, C.R. Sperling. **collector id:** K-368. **other id:** W6 8265. **group:** W6. **locality:** Seed samples taken from storage at the Uzbek Institute of Grains near Gallya-Aral. **latitude:** 40 deg. 02 min. N. **longitude:** 067 deg. 36 min. E. **elevation:** 900m. **remarks:** Aschochyta resistant. Annual. Cultivated. Seed.
- PI 566608 **donor id:** K-909. **origin:** Uzbekistan. **source history:** Seed originally obtained from Czechoslovakia.. **collected:** June 13, 1991. **collector:** N. Maxted, C.R. Sperling. **collector id:** K-909. **other id:** W6 8266. **group:** W6. **locality:** Seed samples taken from storage at the Uzbek Institute of Grains near Gallya-Aral. **latitude:** 40 deg. 02 min. N. **longitude:** 067 deg. 36 min. E. **elevation:** 900m. **remarks:** Aschochyta resistant. Annual. Cultivated. Seed.



PI 566609. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVULVULACEAE  
Sweet potato

**Donated by:** Louisiana Agr. Exp. Sta., Louisiana State University,  
Baton Rouge, Louisiana 70803, United States. Received March 01,  
1993.

**origin:** United States. **developed:** J.C. Miller, T.P.  
Hernandez, J.J. Mikell, J.F. Fontenot. **origin institute:**  
Louisiana Agr. Exp. Sta., Louisiana State University,  
Baton Rouge, Louisiana 70803 United States. **cultivar:**  
ACADIAN. **pedigree:** L21/L131. **other id:** L 1-13.  
**remarks:** Skin smooth, tough, copper color, similar to  
Unit 1 Porto Rico. Shape uniform. Produces early crop and  
does well in late plantings. Flesh moist, deep orange  
color. Stores well. Good baking and canning qualities.  
Moderate resistance to soil rot. Satisfactory plant  
production. Cultivar. Seed.

PI 566610. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVULVULACEAE  
Sweet potato

**Donated by:** Oklahoma Agr. Exp. Sta., Stillwater, Oklahoma 74078,  
United States. Received March 01, 1993.

**origin:** United States. **origin institute:** Oklahoma Agr.  
Exp. Sta., Stillwater, Oklahoma United States.  
**cultivar:** ALLGOLD. **other id:** Oklahoma 24. **other id:**  
Grif 997. **group:** Grif. **remarks:** Yam type similar to  
Unit No. 1 Porto Rico, nearly doubled yield of Porto  
Rico. Equal if not superior to Porto Rico in taste and  
table appearance and contains 50% more vitamin C and more  
than 3 times as much vitamin A. Resistant to stem rot in  
inoculation tests, but may be somewhat more susceptible  
than Unit No. 1 to nematode damage. Cultivar. Seed.

PI 566611. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVULVULACEAE  
Sweet potato

**Donated by:** Agricultural Research Service -- USDA, Crops Research  
Division, Beltsville, Maryland 20705, United States; and New Mexico  
Agr. Exp. Sta.; and California Agr. Exp. Sta.. Received March 01,  
1993.

**origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Crops Research Division, Beltsville, Maryland 20705 United States. **cultivar:** APACHE. **pedigree:** (Yellow Yam-149 x Nancy Hall-42-1) x (Pelican Processor x Triumph). **other id:** B-5941. **other id:** Grif 998. **group:** Grif. **remarks:** Roots medium size, smooth, tapered-spindle to short- cylindrical in shape. Skin color orange. Flesh bright orange. Yields moderate to high. Stores well. Resistance to black rot disease, root knot nematode and cracking. Baking quality very good. Cultivar. Seed.

PI 566612. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Virginia Truck Exp. Sta., P.O. Box 2160, Norfolk, Virginia 23501, United States. Received March 01, 1993.

**origin:** United States. **developed:** T.J. Nugent. **origin institute:** Virginia Truck Exp. Sta., P.O. Box 2160, Norfolk, Virginia 23501 United States. **cultivar:** BAKER. **pedigree:** Virginian/a numbered seedling. **other id:** V2158. **remarks:** Skin color copper to light rose. Flesh medium orange, moist texture. Carotene content equal to Goldrush, less than Centennial. Produces large number of roots per hill. Vines long and trailing. Performed satisfactorily as a sprout producer. Keeps well in storage. Not resistant to Fusarium wilt (blue stem). Susceptible to scurf. Cultivar. Seed.

PI 566613. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70803, United States. Received March 01, 1993.

**origin:** United States. **developed:** L.H. Rolston, C.A. Clark, J.M. Cannon, W.M. Randle, E.G. Riley, P.W. Wilson, M.L. Robbins. **origin institute:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70803 United States. **cultivar:** BEAUREGARD. **pedigree:** Polycross nursery that included 17 breeding lines. **other id:** L82-508. **remarks:** Exceptionally good plant producer. Plants straight, tough, well-suited for mechanical transplanting. Roots fusiform to ovoid with smooth, light rose skin. Stores well. Resistance to fusarium wilt (stem rot). Moderately resistant to soil rot (pox). Resistant to development of internal cork symptoms. Cultivar. Seed.

PI 566614. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Ontario Ministry of Agric. & Food, Legislative Bldg.,  
Queen's Park, Toronto, Ontario, Canada. Received March 01, 1993.

**origin:** Canada. **origin institute:** Ontario Ministry of  
Agric. & Food, Legislative Bldg., Queen's Park, Toronto,  
Ontario Canada. **cultivar:** B-18. **pedigree:** Open  
pollinated seedling of Virginian. **other id:** B80-8.  
**other id:** Grif 999. **group:** Grif. **remarks:** Ability to  
set many roots of marketable size even in a cool or short  
season. Root size small to medium, regular and smooth  
shape. Flesh color bright orange, excellent uniformity.  
Cures and stores well. Acceptable production of good  
quality and marketable roots in even very short and cool  
seasons. Cultivar. Seed.

PI 566615. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** South Carolina Agr. Exp. Sta., Clemson University,  
Clemson, South Carolina 29817, United States. Received March 01,  
1993.

**origin:** United States. **origin institute:** South Carolina  
Agr. Exp. Sta., Clemson University, Clemson, South  
Carolina United States. **cultivar:** CAROGOLD. **other id:**  
C607. **remarks:** Roots close to plant, good shape,  
prolific, excellent smoothness. Skin color gold. Flesh  
color orange, moist. Vine length medium, color purple.  
Foliage heavy, dark green. Excellent transplants.  
Sprouting habit poor. Good yielder. Resistance to  
cracking and fusarium wilt or blue stem. Cultivar.  
Seed.

PI 566616. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina State  
University, Raleigh, North Carolina 27650, United States. Received  
March 01, 1993.

PI 566616-continued

**origin:** United States. **developed:** D.T. Pope, W.W. Collins, J.W. Moyer. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27650 United States. **cultivar:** CAROLINA NUGGET. **pedigree:** HM-36(a selection developed in Meridian, Miss.)/Lakan. **other id:** NC 172. **other id:** Grif 1007. **group:** Grif. **remarks:** Roots short, blocky with rosy skin. Flesh medium orange. Streaks of anthocyanin usually appear in flesh near exterior of roots. Roots have acceptable commercial table quality. Leaves deeply cut, dark green with a purplish tinge. Increased yields and superior root shape in heavy soils. Needs less curing to store well than other cultivars. More resistance to fusarium wilt and southern root knot than Centennial. Cultivar. Seed.

PI 566617. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27650, United States; and New Mexico Agr. Exp. Sta.. Received March 01, 1993.

**origin:** United States. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27650 United States. **cultivar:** CAROMEX. **pedigree:** NC 228/NC 234. **other id:** NC 320. **remarks:** Roots chunky, slightly tapered at both ends, remain firm in storage. Skin dark copper, smooth, attractive. Flesh deep orange. High yielding, yam type. High resistance to stem rot (wilt). Low to moderate resistance to root knot nematodes. Cultivar. Seed.

PI 566618. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Tuskegee Institute, Tuskegee Institute, Alabama 36088, United States. Received March 01, 1993.

PI 566618-continued

**origin:** United States. **developed:** B.T. Whatley, B.R. Phills. **origin institute:** Tuskegee Institute, Tuskegee Institute, Alabama 36088 United States. **cultivar:** CARVER. **pedigree:** Centennial/Jewel. **other id:** TI-1885. **other id:** Grif 1010. **group:** Grif. **remarks:** Skin color deep rose. Flesh moist, deep orange. High plant production. Excellent storage properties. Extremely high canning and baking qualities. Highly resistant to fusarium wilt. Intermediate resistance to southern root knot nematode. Suited for both fresh and processing market. Well adapted to Alabama growing conditions. Cultivar. Seed.

PI 566619. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Louisiana State University, Dept. of Horticulture, Baton Rouge, Louisiana 70803, United States. Received March 01, 1993.

**origin:** United States. **origin institute:** Louisiana State University, Dept. of Horticulture, Baton Rouge, Louisiana 70803 United States. **cultivar:** CENTENNIAL. **other id:** Grif 1011. **group:** Grif. **remarks:** Skin color dark (rose or purple). Flesh color orange. High yielding. Cultivar. Seed.

PI 566620. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** South Carolina Agr. Exp. Sta., Clemson University, Clemson, South Carolina 29817, United States. Received March 01, 1993.

**origin:** United States. **developed:** W.L. Ogle, M.B. Hughes. **origin institute:** South Carolina Agr. Exp. Sta., Clemson University, Clemson, South Carolina United States. **cultivar:** CHEROKEE. **pedigree:** CaroGold/Porto Rico. **other id:** C 57-110-2. **remarks:** Roots blocky, outstanding smoothness. Skin color bright copper. Flesh orange. Prolific sprout production. Excellent baking quality. Good keeping quality. Susceptible to fusarium wilt. Cultivar. Seed.

PI 566621. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Georgia Agr. Exp. Sta., Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793, United States. Received March 01, 1993.

PI 566621-continued

**origin:** United States. **developed:** S.A. Harmon. **origin institute:** Georgia Agr. Exp. Sta., Georgia Coastal Plain Exp. Sta., Tifton, Georgia United States. **cultivar:** COASTAL SWEET. **pedigree:** Unknown parentage. **other id:** S-I. **other id:** Skid-a-Way. **remarks:** Root shape fusiform. Skin color copper to copper-red or rose varying with soil types. Flesh bright orange. Texture good. Stores well. Good to excellent in baking tests. Tolerant to mildly susceptible to nematodes. Cultivar. Seed.

PI 566622. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Texas Agr. Exp. Sta., Texas A&M University, Overton, Texas 75684, United States; and Oklahoma State University. Received March 01, 1993.

**origin:** United States. **developed:** D.R. Paterson, M.C. Fuqua, D.R. Earhart, J.E. Motes. **origin institute:** Texas Agr. Exp. Sta., Texas A&M University, Overton, Texas 74078 United States. **cultivar:** CORDNER. **pedigree:** Unknown parentage. **other id:** Grif 1015. **group:** Grif. **remarks:** Roots chunky, slightly tapered at each end. Skin smooth, bronze color. Flesh orange. Vines trailing with medium internodes. Stems and leaves green. Leaves medium size, heart shaped. High yield, good sprout production. Excellent baking and canning quality. Resistant to fusarium wilt or stem rot, and southern root-knot nematode. Some insect resistance. Susceptible to soil rot. Cultivar. Seed.

PI 566623. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana, United States. Received March 01, 1993.

**origin:** United States. **developed:** J.C. Miller, J.J. Mikell, T.P. Hernandez, J.F. Fontenot. **origin institute:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70893 United States. **cultivar:** EARLYPORT. **other id:** L-240. **remarks:** Vigorous growing, viny type plant similar to Unit 1 Porto Rico. Roots moist or soft fleshed type, blocky shape, smooth, medium-large size. Skin copper. Flesh orange. Selected for earliness and high yielding ability. Keeps well in storage. Good plant producer. Not resistant to wilt or soil rot. Cultivar. Seed.

PI 566624. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** California Agr. Exp. Sta., University of California, Berkeley, California 94720, United States; and Louisiana Agr. Exp. Sta.. Received March 01, 1993.

**origin:** United States. **developed:** R.W. Scheuerman, T.P. Hernandez, W.J. Martin, C. Clark, R. Constantin, H. Hammett. **origin institute:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70893 United States. **cultivar:** EUREKA. **other id:** L4-131. **other id:** Grif 1020. **group:** Grif. **remarks:** Roots well shaped, tapered at both ends, smoother exterior than Jewel. Skin copper. Flesh deep orange. Good storage cv. Good baking and canning characteristics. Resistant to soil rot (pox), internal cork, stem rot. Moderate resistance to root knot nematode. Cultivar. Seed.

PI 566625. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Agricultural Research Service -- USDA, U.S. Vegetable Laboratory, Charleston, South Carolina 20407, United States; and South Carolina Agr. Exp. Sta., Clemson University, Clemson, South Carolina 29817, United States. Received March 01, 1993.

**origin:** United States. **developed:** A. Jones, P.D. Dukes, J.M. Schalk, M.G. Hamilton. **origin institute:** Agricultural Research Service -- USDA, U.S. Vegetable Laboratory, Charleston, South Carolina United States. **cultivar:** EXCEL. **pedigree:** Open pollinated seedling of Regal polycrossed in 1981 to 29 other parental selections. **other id:** W-221. **other id:** Grif 1021. **group:** Grif. **remarks:** Skin light copper color. Flesh orange. Stores well. Excellent baking and canning qualities. High yield. High resistance to southern root knot, stem rot or wilt disease, internal cork, and to sclerotial blight in plant beds. Cultivar. Seed.

PI 566626. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Agricultural Research Service -- USDA, U.S. Vegetable Laboratory, Charleston, South Carolina 29407, United States. Received March 01, 1993.

**origin:** United States. **developed:** P.D. Dukes, A. Jones, J.M. Schalk. **origin institute:** Agricultural Research Service -- USDA, U.S. Vegetable Laboratory, Charleston, South Carolina United States. **cultivar:** DW-8. **pedigree:** Open pollinated seedling of W-206 polycrossed in 1984 to 19 other parental clones. **other id:** 85-DW-8. **remarks:** Dwarf characteristics including short stem internodes and dark green, thick leaves consistently yields 80% in marketable roots of cv. Jewel. Roots attractive light red, smooth, fusiform shaped with very little cracking. Stores well. High resistance to root knot, stem rot or wilt. Resistant to internal cork, leaf and sclerotial blight. High resistance to sweetpotato flea beetle. Susceptible to white grub. Will not tolerate water-logged soil. Cultivar. Seed.

PI 566627. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794, United States. Received March 01, 1993.

**origin:** United States. **developed:** S.A. Harmon. **origin institute:** Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794 United States. **cultivar:** GEORGIA JET. **other id:** Grif 1025. **group:** Grif. **remarks:** Root shape short spindle. Skin color purple-red. Flesh light orange. Earliness 90 days under good conditions. Plant production poor. Storage satisfactory. Good or excellent baking tests. Susceptible to stem rot and nematodes. Cultivar. Seed.

PI 566628. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794, United States. Received March 01, 1993.

**origin:** United States. **developed:** S.A. Harmon, O.J. Woodard. **origin institute:** Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31794 United States. **cultivar:** GEORGIA RED. **pedigree:** T-6/open pollinated seedling from Cliett Bunch Porto Rico. **other id:** T-6. **remarks:** Excellent plant production and livability, vine growth long, vigorous. Root shape similar to Porto Rico. Skin color coppery-red. Flesh color light-orange, texture soft, moist. Growing period of 140 days or more. Excellent keeping and eating quality. Excels as a baking potato. Cultivar. Seed.



PI 566629. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Maryland Agr. Exp. Sta., University of Maryland, College Park, Maryland 20742, United States. Received March 01, 1993.

**origin:** United States. **origin institute:** Maryland Agr. Exp. Sta., University of Maryland, Dept. of Horticulture, College Park, Maryland 20742 United States. **cultivar:** GOLDMAR. **pedigree:** Skin color mutation from cultivar Redmar found near Salisbury, Maryland. **remarks:** Appears to be identical to Redmar in every respect except skin color. Skin attractive, yellow or golden, fairly resistant to abrasion. Flesh deep-orange, very moist when baked. Requires a long season to reach U.S. #1 size. Cultivar. Seed.

PI 566630. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70803, United States. Received March 01, 1993.

**origin:** United States. **developed:** J.C. Miller, J.J. Mikell, T.P. Hernandez, J.F. Fontenot, R.B. Attaya. **origin institute:** Louisiana Agr. Exp. Sta., Louisiana State University, Louisiana United States. **cultivar:** GOLDRUSH. **pedigree:** L-21/L-155. **other id:** L-241. **other id:** Grif 1032. **group:** Grif. **remarks:** Plant medium to vigorous growing. Vine and petiole deep reddish-purple, vine medium to semi-bunch type. Leaves heart shaped and of medium size. Roots relatively smooth, uniform. Skin color copper. Flesh color deep yellow. Carotene twice that of Unit Porto Rico. Cultivar. Seed.

PI 566631. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70803, United States. Received March 01, 1993.

PI 566631-continued

**origin:** United States. **developed:** J.C. Miller, J.J. Mikell, T.P. Hernandez, P.L. Hawthorne, R.M. Melampy. **origin institute:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70893 United States. **cultivar:** HEARTOGOLD. **pedigree:** Mameyita (a Porto Rico type)/Yellow Yam (32-10). **other id:** L-138. **remarks:** Early, high yielding. Can be brought on market 10-14 days sooner than Unit I Porto Rico. High resistance to soil rot. Baking quality as good as or better than Unit I. Skin color flesh. Carotene 7.6mg/100g fresh wt. Cultivar. Seed.

PI 566632. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70803, United States. Received March 01, 1993.

**origin:** United States. **developed:** D.R. La Bonte, W.A. Mulkey, C.A. Clark, L.H. Rolston, J.M. Cannon, P.W. Wilson, P.C. St. Amand. **origin institute:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70803 United States. **cultivar:** HERNANDEZ. **pedigree:** Open-pollinated seedling of L70-323 polycrossed in 1981. **other id:** L82-66. **other id:** Grif 1052. **group:** Grif. **remarks:** Moderately long purple-stemmed vines. Storage roots fusiform, lightly grooved, and red skinned. Flesh uniform deep orange. Excellent baking qualities similar to Jewel. Excellent canning qualities superior to Jewel. Dry matter 19.3%. Flowering adequate for breeding purposes, but produces very few seeds. Intermediate to resistant reaction to *Fusarium* wilt and southern root-knot nematode. Moderately resistant to soil rot. Does not show symptoms to viral disease internal cork. Moderately resistant to white grub. Cultivar. Seed.

PI 566633. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Clemson University Edisto Exp. Sta., Dept. of Horticulture, Blackville, South Carolina 29817, United States; and Agricultural Research Service -- USDA. Received March 01, 1993.

PI 566633-continued

**origin:** United States. **developed:** M.G. Hamilton, P.D. Dukes, A. Jones, J.M. Schalk. **origin institute:** Clemson University Edisto Exp. Sta., Dept. of Horticulture, Blackville, South Carolina 29817 United States. **cultivar:** HIDRY. **pedigree:** Open-pollinated selection from MK-14. **other id:** W-190. **other id:** Grif 1037. **group:** Grif. **remarks:** Plants produce long trailing vines with long internodes. Leaves dark green, medium size. Roots fleshy, skins white, flesh cream colored, shape fusiform, length moderate, frequently lobed. Store well. More resistant to cracking and appear to be equal in sprout production to Jewel. Roots highly resistant to wireworm. Susceptible to sweet potato flea beetle. Highly resistant to southern root-knot nematode and fusarium wilt or stem rot. Some resistance to sclerotial blight. Cultivar. Seed.

PI 566634. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** New Mexico Agr. Exp. Sta., New Mexico State University, Las Cruces, New Mexico 88003, United States; and Agricultural Research Service -- USDA, Beltsville, Maryland 20705, United States. Received March 01, 1993.

**origin:** United States. **developed:** D.C.H. Hsi, C.E. Steinbauer, M.T. Deonier. **origin institute:** New Mexico Agr. Exp. Sta., New Mexico State University, University Park, New Mexico United States. **cultivar:** HOPI. **pedigree:** Selection from open-pollinated seed of Porto Rico female parentage. **other id:** HM-122. **remarks:** Plants have trailing growth habit with a tendency to produce semi-erect branches near hills. Vines purple. Leaves medium-sized, dark green with purple overcast. Root skins light copper to salmon. Flesh medium orange-salmon. Carotene content moderate. Roots fusiform-to-tapered. Suitable for early fresh market. Looks, packs and keeps good, even when freshly harvested. More tolerant to fusarium wilt than Kandee. Resistant to root-knot nematode damage and cracking. Appears to be field resistant to black rot. Excellent baking and eating qualities. Not suitable for canning. Cultivar. Seed.

PI 566635. *Ipomoea carnea* Jacq. CONVOLVULACEAE Sweet potato

**Donated by:** Agricultural Research Service -- USDA, U.S. Vegetable Lab., Charleston, South Carolina 29407, United States; and South Carolina Agr. Exp. Sta., Clemson University, Clemson, South Carolina 29817, United States. Received March 01, 1993.

PI 566635-continued

**origin:** United States. **developed:** P.D. Dukes, A. Jones, J.M. Schalk, M.G. Hamilton. **origin institute:** Agricultural Research Service -- USDA, U.S. Vegetable Lab., Charleston, South Carolina 29407 United States. **cultivar:** INDUCER. **pedigree:** Selected from a large population of seedlings. **other id:** IF-17-80. **remarks:** Rootstock for use in sweet potato breeding. Useful for stimulating induction and/or increased flowering of sweet potato scions in breeding nurseries and in reproductive physiological studies. Propagated with stem cuttings since it is not self fertile, however, will produce abundant viable seed if allowed to cross with many other selections from this population. Cultivar. Seed.

PI 566636. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Louisiana Agr. Exp. Sta., Louisiana State University, Louisiana 70803, United States. Received March 01, 1993.

**origin:** United States. **developed:** T.P. Hernandez, T.P. Hernandez, R.J. Constantin, W.J. Martin. **origin institute:** Louisiana Agr. Exp. Sta., Louisiana State University, Louisiana United States. **cultivar:** JASPER. **pedigree:** (Mameyita/L4-6)/(Pelican Processor/Triumph). **other id:** L9-190. **other id:** Grif 1045. **group:** Grif. **remarks:** Root skin color bright copper. Flesh orange. Produces a large percentage of marketable grade roots. As early as or earlier than Centennial. Has about twice the carotene content of Unit I Porto Rico. Vines trailing, medium in thickness, generally 4-5 feet. Vines, leaves and petioles green. Skin color bright copper. Flesh orange. Roots well shaped, being oblong and tapered to both ends. Produces a large percentage of marketable grade roots. Resistant to soil rot. Good resistance to internal cork, stem rot or fusarium wilt. Moderate resistance to root-knot nematodes. Cultivar. Seed.

PI 566637. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** New Jersey Agr. Exp. Sta., New Jersey, United States. Received March 01, 1993.

PI 566637-continued

**origin:** United States. **developed:** L.G. Schermerhorn.  
**origin institute:** New Jersey Agr. Exp. Sta., Dept. of  
Vegetable Crops, New Jersey United States. **cultivar:**  
JERSEY ORANGE. **pedigree:** Selection of Orange Little Stem  
35. **remarks:** Good outside appearance, color deep inside  
and uniform, fine texture, and good flavor. Skin  
attractive brown. Flesh bright orange. Equals Yellow  
Jersey in yields, disease resistance, keeping qualities.  
Good consumer acceptance. Moist type of potato.  
Cultivar. Seed.

PI 566638. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina State  
Univ. at Raleigh, North Carolina, United States. Received March 01,  
1993.

**origin:** United States. **origin institute:** North Carolina  
Agr. Exp. Sta., North Carolina State Univ. at Raleigh,  
North Carolina United States. **cultivar:** JEWEL.  
**pedigree:** Centennial/Nugget. **other id:** Grif 1047.  
**group:** Grif. **remarks:** Early-sizing, soft-fleshed, high  
quality for fresh market. Vines trailing, generally grow  
5 ft. in length. Leaf margins lightly to moderately  
shouldered although most leaves have entire margins.  
Leaves, petioles and vines green. Roots uniform, bluntly  
tapered on both ends, shorter than Centennial. Flesh  
uniform orange. Resistance to *Fusarium* wilt, root-knot  
nematodes and internal cork virus. Cultivar. Seed.

PI 566639. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Louisiana Agr. Exp. Sta., Louisiana State University,  
Louisiana 70803, United States. Received March 01, 1993.

**origin:** United States. **developed:** J.C. Miller, T.P.  
Hernandez, T.P. Hernandez, J.R. Barry, W.A. Young, W.J.  
Martin. **origin institute:** Louisiana Agr. Exp. Sta.,  
Louisiana State University, Louisiana United States.  
**cultivar:** JULIAN. **pedigree:** Centennial/HM15. **other id:**  
L8-3. **remarks:** Large set of roots, uniform and  
well-shaped. Skin copper to rose. Flesh deep orange. Low  
fiber content. Grades out well. Resistant to internal  
cork. Field resistance to *fusarium* wilt. Stores  
well--excellent keeper. Good baking and canning  
qualities. Cultivar. Seed.

PI 566640. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Kansas Agr. Exp. Sta., Kansas State College of  
Agriculture, and Applied Science, Kansas, United States. Received  
March 01, 1993.

**origin:** United States. **developed:** O.H. Elmer. **origin  
institute:** Kansas Agr. Exp. Sta., Kansas State College of  
Agriculture, and Applied Science, Kansas United States.  
**cultivar:** KANDEE. **pedigree:** (Yellow Yam/Nancy  
Hall)/Porto Rico. **other id:** K1716. **remarks:** Plant  
semi-upright. Stems medium short, rather large diam.  
Leaves deltoid, obtuse to slightly cordate base. Roots  
short -elongate, blocky, with bluntly tapering ends.  
Shape uniform. Skin reddish bronze. Flesh orange,  
indicating good vitamin A content. Storage good. Table  
quality high with good flavor and aroma. Deep orange  
color after cooked. Ranks high for both marketing and  
consumer use. Resistant to black rot. Cultivar. Seed.

PI 566641. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Matchett, J.W., Pinecastle, Florida, United States.  
Received March 01, 1993.

**origin:** United States. **source history:** From package of  
Morning Glory seed. **cultivar:** NANCY HALL. **remarks:**  
Excellent productiveness, eating and keeping qualities.  
Roots good size and shape. Flesh yellow. Cultivar.  
Seed.

PI 566642. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Oklahoma Agr. Exp. Sta., Oklahoma State University,  
Stillwater, Oklahoma 74078, United States. Received March 01,  
1993.

**origin:** United States. **developed:** H.B. Cordner, F.B. Struble, R. Reder, H.B. Sorensen, L. Morrison. **origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma United States. **cultivar:** NEMAGOLD. **pedigree:** Jersey varieties used as parent lines. **other id:** Grif 1060. **group:** Grif. **remarks:** Roots yellow to salmon-russet, smooth and uniform size. Roots cured and stored for a short time are sweet, soft, and moist when baked. Flesh orange. Skin gold. Carotene high, similar to Allgold. Vines small, (6-12 feet). Stems numerous, green. Leaves green, small, distinctly shouldered. Widely adapted in region markets where Jersey varieties are grown. Acceptable on wholesale and retail markets. Resistance to root-knot. Cultivar. Seed.

PI 566643. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina State College, Raleigh, North Carolina, United States. Received March 01, 1993.

**origin:** United States. **developed:** D.T. Pope, L.W. Nielsen, N.W. Hoover. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina United States. **cultivar:** NUGGET. **pedigree:** NC 124/NC 63. **other id:** NC 171. **remarks:** Roots very uniform, smooth and tapered on both ends. Skin copper. Flesh color medium-orange. Production satisfactory. Produces a higher yield than Goldrush & Porto Rico. Keeps well in storage. Excellent processing qualities. Satisfactory baking qualities. Resistance to internal cork and fusarium wilt. Cultivar. Seed.

PI 566644. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Virginia Truck, & Ornamentals Research Station, Eastern Shore Branch, Virginia, United States. Received March 01, 1993.

**origin:** United States. **developed:** B. Graves. **origin institute:** Virginia Truck & Ornamentals Res. Sta., Eastern Shore Branch, Virginia United States. **cultivar:** PAINTER. **pedigree:** Julian and a numbered Virginia seedling. **other id:** VP9-51. **remarks:** Long season variety. Smooth, uniform shape, good flesh and skin color. Resistant to sprouting in storage. Yields medium to very high. Susceptible to soft rot, internal cork, scurf, soil rot (pox) and sweet potato flea beetle. Low tolerance to root knot nematode. High resistance to Fusarium wilt (blue stem, stem rot). Cultivar. Seed.

PI 566645. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** North Carolina State University, Raleigh, North Carolina  
27650, United States. Received March 01, 1993.

**origin:** United States. **developed:** W.W. Collins, J.W. Moyer. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27650 United States. **cultivar:** POPE. **pedigree:** NC 288/NC 304. **remarks:** High-yielding, early-maturity. High resistance to Fusarium wilt and southern rootknot nematode. Roots chunky and slight slightly tapered. Flesh medium orange. Skin light salmon. Resistance to wireworm and grubs equal to or slightly better than Jewel. Moderate resistance to sweetpotato flea beetle and internal cork. Cultivar. Seed.

PI 566646. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27650, United States. Received March 01, 1993.

**origin:** United States. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27650 United States. **cultivar:** PORTO RICO. **other id:** Grif 1070. **group:** Grif. **remarks:** Eating quality superior. Flesh color poor. Skin color copper. Yield low. Susceptible to disease. Cultivar. Seed.

PI 566647. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Edisto Exp. Sta., Clemson University, Blackville, South Carolina, United States. Received March 01, 1993.

**origin:** United States. **developed:** M.B. Hughes. **origin institute:** Edisto Exp. Sta., Clemson University, Blackville, South Carolina United States. **cultivar:** REDCLIFF. **remarks:** Roots blocky, red-skinned. Flesh deep, uniform, salmon. Baking quality good to excellent. Canning quality good. Moderately good disease resistance. Cultivar. Seed.



PI 566648. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Coastal Plain Exp. Sta., Tifton, Georgia 31793, United States. Received March 01, 1993.

**origin:** United States. **developed:** S.A. Harmon. **origin institute:** Coastal Plain Exp. Sta., Tifton, Georgia United States. **cultivar:** RED JEWEL. **pedigree:** Selected from Jewel. **other id:** Red Mutant No. 6. **other id:** Grif 1072. **group:** Grif. **remarks:** Skin color attractive deep red-purple. Flesh color deep orange. Yield greater than Georgia Red. Rates above Georgia Red in baking tests. Storage life longer than Georgia Red or Centennial. Rated good as a canned product. Baking quality good to excellent. Cultivar. Seed.

PI 566649. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Maryland Agr. Exp. Sta., University of Maryland, College Park, Maryland 20742, United States. Received March 01, 1993.

**origin:** United States. **origin institute:** Maryland Agr. Exp. Sta., University of Maryland, College Park, Maryland 20742 United States. **cultivar:** REDMAR. **pedigree:** (((K1840)/B6313)/Shoreland)/(Virginian/K1846). **other id:** Md. 2416. **remarks:** Roots uniform size and shape. Skin attractive, red. Flesh deep orange. Storage characteristics similar to Nemagold. Canning tests have shown excellent color. Less susceptible to surface rot than Nemagold but more subject to soft rots. Cultivar. Seed.

PI 566650. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Agricultural Research Service -- USDA, U.S. Vegetable Lab., Charleston, South Carolina 29407, United States; and Clemson University Edisto Exp. Sta., Blackville, South Carolina 29817, United States; and Texas Agr. Exp. Sta.. Received March 01, 1993.

**origin:** United States. **developed:** A. Jones, P.D. Dukes, J.M. Schalk, M.G. Hamilton, M.A. Mullen, R.A. Baumgardner, D.R. Paterson, T.E. Boswell. **origin institute:** Agricultural Research Service -- USDA, U.S. Vegetable Lab., Charleston, South Carolina 29407 United States. **cultivar:** REGAL. **pedigree:** Open-pollinated seedling of W-99 polycrossed with 29 other parental selections. **other id:** W-152. **other id:** Grif 1075. **group:** Grif. **remarks:** Roots generally well shaped, fusiform to blocky, sometimes short. Skin brilliant purplish-red. Flesh dark orange. Yields often 5-10 percent higher than Jewel. Stores acceptably well. Average baking and canning quality. Combination pest resistances superior to that of other available cultivars resistance to internal cork and fusarium wilt or stem rot, sclerotial blight, pox or soil rot, and southern root knot. Cultivar. Seed.

PI 566651. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Agricultural Research Service -- USDA, U.S. Vegetable Lab., Charleston, South Carolina 29407, United States; and South Carolina Agr. Exp. Sta., Clemson University, Clemson, South Carolina 29631, United States. Received March 01, 1993.

**origin:** United States. **developed:** A. Jones, P.D. Dukes, J.M. Schalk, M.G. Hamilton, M.A. Mullen. **origin institute:** Agricultural Research Service -- USDA, U.S. Vegetable Lab., Charleston, South Carolina 29407 United States. **cultivar:** RESISTO. **pedigree:** Open-pollinated seedling of W-56. **other id:** W-125. **other id:** Grif 1076. **group:** Grif. **remarks:** Skin reddish copper. Flesh dark orange. Yields equivalent to Jewel. Baking & canning qualities similar to Jewel. Unique combination of pest resistances superior to that of other presently available cultivars. Roots store well. Cultivar. Seed.

PI 566652. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Tuskegee Institute, Tuskegee Institute, Alabama 36088, United States. Received March 01, 1993.

PI 566652-continued

**origin:** United States. **developed:** B.T. Whatley, B.R. Phills. **origin institute:** Tuskegee Institute, Tuskegee Institute, Alabama 36088 United States. **cultivar:** ROJO BLANCO. **pedigree:** Rose Centennial/White Triumph. **other id:** CL-22-72. **remarks:** Dry flesh type. Mean yield 26861 kg/ha marketable roots. Skin deep red. Flesh color milk-white. Intermediate resistance to fusarium wilt. Susceptible to southern root-knot nematode. Excellent storage properties. Cultivar. Seed.

PI 566653. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** North Carolina Agr. Res. Service, North Carolina State University, Raleigh, North Carolina 27650, United States. Received March 01, 1993.

**origin:** United States. **developed:** J.W. Moyer, W.W. Collins. **origin institute:** North Carolina Agr. Res. Service, North Carolina State University, Raleigh, North Carolina 27650 United States. **cultivar:** SCARLET. **pedigree:** Selected from meristem-tip culture-derived clones of Jewel. **other id:** Grif 1079. **group:** Grif. **remarks:** Roots tend to be more cylindrical and slightly longer than Jewel roots. Skin deep red to purple. Flesh orange. Yields not significantly different than Jewel and Copper Skin Jewel. Resistant to *Fusarium oxysporum* f. sp. *batatas* in greenhouse trials. Resistances to *Meloidogyne incognita*, wire worm and growth cracks similar to Jewel. Roots remain sound in storage for 7 or more months. Judged superior to Jewel in baking trails. Cultivar. Seed.

PI 566654. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Eastern Shore Agr. Exp. Sta., Virginia Polytechnic Inst. & State Univ., Painter, Virginia 23420, United States. Received March 01, 1993.

**origin:** United States. **developed:** S.B. Sterrett, B. Graves, C.P. Savage, F.W. Cooler. **origin institute:** Eastern Shore Agr. Exp. Sta., Virginia Polytechnic Inst. & State Univ., Painter, Virginia 23420 United States. **cultivar:** SHORE GOLD. **pedigree:** Open-pollinated seedling of L7-177. **remarks:** Early, widely adapted, high yielding. Excellent baking quality. Roots uniformly fusiform to blocky. Skin light copper, smooth. Internal root color bright orange. Stores well. Well-suited for baking and canning. Highly resistant to fusarium wilt and intermediate in reaction to Southern root-knot nematode. Susceptible to soil insects including wireworm, sweet potato flea beetle and grubs. Greater tolerance to field rot associated with cold, wet soils at harvest time than Jewel. Cultivar. Seed.

PI 566655. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Agricultural Research Service -- USDA, U.S. Vegetable Lab., Charleston, South Carolina 29407, United States; and South Carolina Agr. Exp. Sta., Clemson University, South Carolina 29407, United States. Received March 01, 1993.

**origin:** United States. **developed:** A. Jones, P.D. Dukes, J.M. Schalk, M.G. Hamilton, R.A. Baumgardner. **origin institute:** Agricultural Research Service -- USDA, U.S. Vegetable Lab., Charleston, South Carolina 29407 United States. **cultivar:** SOUTHERN DELITE. **pedigree:** Open-pollinated seedling of W-99 polycrossed to 29 other parental selections. **other id:** W-151. **other id:** Grif 1082. **group:** Grif. **remarks:** High yield. Baking flavor excellent. High levels of resistance to a wide array of disease and insect pests. Skin rose to dark copper depending on soil type. Marketable yields comparable to that of Jewel or Centennial. Stores slightly better than Jewel. Baking and canning qualities average similar to Jewel or Centennial. Cultivar. Seed.

PI 566656. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Agricultural Research Service -- USDA, Beltsville, Maryland 20705, United States; and Maryland Agr. Exp. Sta., University of Maryland, College Park, Maryland, United States. Received March 01, 1993.

PI 566656-continued

**origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Beltsville, Maryland United States. **cultivar:** SUNNYSIDE. **pedigree:** (Yellow Yam 149/Nancy Hall 42-1)/(Pelican Processor/Triumph). **other id:** B-5944. **remarks:** Skin tan. Flesh salmon to orange. Shape short tapered, relatively smooth. Size medium. Baking quality good. Excellent keeper in storage. Some resistance to black rot. Highly resistant to cracking in the field. Susceptible to fusarium wilt. Cultivar. Seed.

PI 566657. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Agricultural Research Service -- USDA, Beltsville, Maryland 20705, United States; and South Carolina Agr. Exp. Sta., Clemson University, South Carolina 29407, United States. Received March 01, 1993.

**origin:** United States. **developed:** P.D. Dukes, A. Jones, J.M. Schalk, M.G. Hamilton. **origin institute:** Agricultural Research Service -- USDA, U.S. Vegetable Lab., Charleston, South Carolina 29407 United States. **cultivar:** SUMOR. **pedigree:** Open-pollinated seedling of W-154 polycrossed to 29 other selections. **other id:** W-201. **remarks:** Skin smooth yellowish to light tan. Flesh white to yellow. Good field resistance to fusarium wilt or stem rot. Not very sweet. For home use can be prepared similarly to a standard white potato and consumed mashed, creamed or fried. Cultivar. Seed.

PI 566658. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** North Carolina Agr. Res. Service, Raleigh, North Carolina 27695-7609, United States. Received March 01, 1993.

PI 566658-continued

**origin:** United States. **developed:** W.W. Collins, J.W. Moyer. **origin institute:** North Carolina Agr. Res. Service, Raleigh, North Carolina 27695-7609 United States. **cultivar:** SWEET RED. **pedigree:** Open-pollinated cross between NC258 and an unknown pollen parent. **other id:** NC727. **remarks:** High yielding, high-quality. Roots short and chunky. Flesh deep orange. Skin deep copper-red. High resistance to root knot nematode (*Meloidogyne incognita*) and fusarium wilt (*F. oxysporum* f. sp. batatas). Intermediate resistance to sweet potato flea beetle damage. Susceptible to soil rot and wireworm-Diabrotica-Systema soil insect complex. As susceptible to flooding damage as Jewel. Cultivar. Seed.

PI 566659. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Texas Agr. Exp. Sta., Texas, United States. Received March 01, 1993.

**origin:** United States. **developed:** D.R. Paterson, D.R. Earhart, T.E. Boswell. **origin institute:** Texas Agr. Exp. Sta., Texas United States. **cultivar:** TOPAZ. **pedigree:** Open-pollinated seedling of W-26 polycrossed with other parental types. **other id:** 8W2641. **other id:** Grif 1098. **group:** Grif. **remarks:** High yield good sprout production. Baking and canning quality excellent. Roots have good girth, slightly tapered at each end. Flesh medium orange. Skin smooth, bronze. Resistant to both fusarium wilt and southern root knot. Susceptible to wireworm-Diabrotica-Systema complex. Intermediate resistance to sweet potato flea beetle. Cultivar. Seed.

PI 566660. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70803, United States. Received March 01, 1993.

**origin:** United States. **developed:** T.P. Hernandez, R.J. Constantin, H. Hammett. W.J. Martin, C. Clark, L. Rolston. **origin institute:** Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70803 United States. **cultivar:** TRAVIS. **pedigree:** (Mameyita/L4-6)/(Pelican Processor/Triumph). **other id:** L4-62. **remarks:** Maturity early. Vines trailing, medium thickness, purple with green leaves. Plant production satisfactory. Yield high. Roots well shaped. Skin color rose. Flesh deep orange. Resistant to soil rot, Fusarium wilt, root-knot and internal cork virus. Cultivar. Seed.

PI 566661. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Godbey, T.K., Waldo, Florida, United States. Received March 01, 1993.

**origin:** United States. **developed:** T.K. Godbey. **cultivar:** TRIUMPH. **remarks:** Vines thrifty, leaves forked with red veins under side, bunched. Roots oval, inclined to be long. Skin dirty white. Flesh creamy white. Texture mealy, free from strings. Wonderful yielder. Free from blight. Cultivar. Seed.

PI 566662. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Mississippi Agr. & Forestry Exp. Sta., Mississippi State, Mississippi 39762, United States. Received March 01, 1993.

**origin:** United States. **developed:** H.L. Hammett. **origin institute:** Mississippi Agr. & Forestry Exp. Sta., Mississippi State University, Mississippi State, Mississippi United States. **cultivar:** VARDAMAN. **pedigree:** M97-4/HM145. **other id:** M3-702. **other id:** Grif 1102. **group:** Grif. **remarks:** Root skin color very light but changes to rose or copper when exposed to light. Flesh deep orange. Roots elliptic to ovate fusiform in longitudinal section. Yield equal to Centennial or Jewel. Excellent storage life. Canning and baking characteristics superior to Centennial and Jewel. Resistant to Fusarium wilt and internal cork. Intermediate to susceptible to soil rot. Susceptible to root-knot nematodes, flea beetles, white grubs, wire worms, and banded cucumber beetles. Cultivar. Seed.

PI 566663. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** North Carolina Agr. Res. Service, Raleigh, North Carolina 27695-7609, United States. Received March 01, 1993.

**origin:** United States. **developed:** W.W. Collins, J.W. Moyer. **origin institute:** North Carolina Agr. Res. Service, Raleigh, North Carolina 27695-7609 United States. **cultivar:** WHITE DELITE. **pedigree:** Univ. of Georgia breeding clone (GA41) and an unknown pollen parent. **other id:** NC1135. **remarks:** High-yielding, excellent quality for local markets and/or garden types. Leaves large, green, heart-shaped. Storage root skin bright purplish pink. Flesh color white-cream. Highly resistant to fusarium wilt and root-knot nematode. Consistently rated high in taste and texture. Cultivar. Seed.

PI 566664. *Ipomoea batatas* (L.) Lam. var. *batatas* CONVOLVULACEAE  
Sweet potato

**Donated by:** Agricultural Research Administration, United States. Received March 01, 1993.

**origin:** United States. **origin institute:** Agricultural Research Administration United States. **cultivar:** WHITESTAR. **pedigree:** Open-pollinated seed of Hawaiian variety Laupahoehoe. **other id:** B-196. **remarks:** Root skin russet-white, shape spindle-cylindric to chunky, size medium to large. Flesh color cream. Yields heavily. Keeping quality medium to good. Slightly susceptible or tolerant to stem rot. Cultivar. Seed.

PI 566665. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Widstrom, N.W., Agricultural Research Service -- USDA, Insect Biology & Pop. Manage. Res. Lab., Tifton, Georgia 31793-0748, United States. **remarks:** GT-FAWCC (C5) Maize Germplasm. Received March 18, 1993.



**origin:** United States. **developed:** N.W. Widstrom, W.P. Williams, B.R. Wiseman, F.M. Davis. **origin institute:** Agricultural Research Service -- USDA, Insect Biology & Pop. Manage. Res. Lab., P.O. 748, Tifton, Georgia 31793 United States. **cultivar:** GT-FAWCC(C5). **pedigree:** 5 cycles of S1 progeny selection from composite of crosses among bulks of Mexican, Caribbean, Brazilian and Antiqua collections. **other id:** GP-242. **source:** Crop Sci. 33(6):1422 1993. **group:** CSR-MAIZE. **restricted:** CSR. **remarks:** Germplasm population with resistance to leaf feeding by the fall armyworm. Mixed kernel (mostly yellow), cob color with grain of average quality. Plants vary in plant and ear height, averaging 188 and 101cm, respectively. Vary in maturity from AES1000 to AES1100. Some resistance to ear-feeding insects, but is more subject to stalk lodging than most hybrids. Potential for yield and other agronomic characters favorable when compared to most breeding populations and some commercial hybrids. Spring Annual. Breeding Material. Seed.

PI 566666. *Oryza sativa* L. POACEAE Rice

**Donated by:** Tseng, S.T., Calif. Coop. Rice Res. Foundation, Inc., P.O. Box 306, Biggs, California 95917, United States; and California Agr. Exp. Sta.; and Agricultural Research Service -- USDA. **remarks:** 87-Y-550 Rice Germplasm. Received March 18, 1993.

**origin:** United States. **developed:** T.S. Tseng, J.J. Oster. **origin institute:** Calif. Coop. Rice Res. Foundation, P.O. Box 306, Biggs, California 95917 United States. **origin institute id:** 87-Y-550. **cultivar:** 87-Y-550. **pedigree:** L-201/O. rufipogon A100912//80H3793/3/82-Y51. **other id:** GP-72. **source:** Crop Sci. 34(1):314 1994. **group:** CSR-RICE. **restricted:** CSR. **remarks:** Early maturing semidwarf long-grain line. Plants awnless. Leaves and hulls glabrous. Rice brown. Kernel length 7.8mm and width 2.3mm with light brown pericarp. Endosperm has apparent amylose content 23.0% and intermediate spreading value. Yield potential similar to L-202. Resistant to lodging, stem rot (*Sclerotium oryzae*), and aggregate sheath spot (*Rhizoctonia oryzae-sativae*). Spring Annual. Breeding Material. Seed.

PI 566667. *Oryza sativa* L. POACEAE Rice

**Donated by:** McKenzie, K.S., Calif. Coop. Rice Res. Foundation, Inc., P.O. Box 306, Biggs, California 95917, United States; and California Agr. Exp. Sta.; and Agricultural Research Service -- USDA. **remarks:** Large-Seeded Rice Germplasm. Received March 18, 1993.

**origin:** United States. **developed:** K.S. McKenzie, C.W. Johnson, J.J. Oster, J.E. Hill. **origin institute:** Calif. Coop. Rice Res. Foundation, Rice Experiment Station, P.O. Box 306, Biggs, California 95917 United States. **origin institute id:** 89-Y-235. **cultivar:** 89-Y-235. **pedigree:** CALPEARL/CALMOCHI-101/5/M7/3/D51//Colusa/CS-M3/4/GIGANTE VERCELLI. **other id:** GP-71. **source:** Crop Sci. 34(1):314 1994. **group:** CSR-RICE. **restricted:** CSR. **remarks:** Very early maturing large seeded semidwarf. Kernels larger than current U.S. cultivars and show a high degree of chalkiness. Rice brown. Kernel length, width, length/width ratio and kernel weight 6.3mm, 3.4mm, 1.85, and 31.0mg, respectively. Grains pubescent and show moderate tip awning and colored apiculi. Small plot yields and head rice yields in California tests were 12% and 17% below the predominant California medium-grain cultivar M-202. Spring Annual. Breeding Material. Seed.

PI 566668 to 566669. *Triticum aestivum* L., nom. cons. POACEAE Wheat

**Donated by:** Cox, T.S., Agricultural Research Service -- USDA, Wheat Genetics Resource Center, Manhattan, Kansas 66506, United States; and Kansas Agr. Exp. Sta.. **remarks:** KS91WGRC11, KS92WGRC15, and KS92WGRC23 Wheat Germplasms. Received March 18, 1993.

PI 566668 **origin:** United States. **developed:** T.S. Cox, R.G. Sears, B.S. Gill, E.N. Jellen. **origin institute:** USDA-ARS/Kansas Agric. Exp. Station, Wheat Genetics Resource Center, Kansas State Univ., Dept. of Agronomy, Manhattan, Kansas 66506 United States. **origin institute id:** KS91WGRC11. **pedigree:** Century \*3/TA2450. **other id:** GP-391. **source:** Crop Sci. 34(2):546 1994. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Hard red winter wheat resistant to leaf rust (*Puccinia recondita*). BC2F2-derived line homozygous for the leaf rust resistance gene Lr42 from TA2450. Winter Annual. Breeding Material. Seed.

PI 566668 to 566669-continued

PI 566669 **origin:** United States. **developed:** T.S. Cox, R.G. Sears, B.S. Gill, E.N. Jellen. **origin institute:** USDA-ARS/Kansas Agric. Exp. Station, Wheat Genetics Resource Center, Kansas State Univ., Dept. of Agronomy, Manhattan, Kansas 66506 United States. **origin institute id:** KS92WGRC15. **pedigree:** Karl//TAM200/KS86WGRC2, F4. **other id:** GP-392. **source:** Crop Sci. 34(2):546 1994. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Hard red winter wheat resistant to leaf rust (*Puccinia recondita*). Results from an effort to transfer an allele of LR21 from KS86WGRC2 into a more desirable agronomic background. Winter Annual. Breeding Material. Seed.

PI 566670 to 566671. *Triticum aestivum* L., nom. cons. POACEAE Wheat

**Donated by:** Cox, T.S, Agricultural Research Service -- USDA, Wheat Genetics Resource Center, Manhattan, Kansas 66506, United States; and Kansas Agr. Exp. Sta.; and Cornell Agr. Exp. Sta.. **remarks:** KS92WGRC21 and KS92WGRC22 Wheat Germplasms. Received March 18, 1993.

PI 566670 **origin:** United States. **developed:** T.S. Cox, M.E. Sorrells, G.C. Bergstrom, R.G. Sears, B.S. Gill, E.J. Walsh, S. Leath, J.P. Murphy. **origin institute:** USDA-ARS/Kansas Agric. Exp. Station, Wheat Genetics Resource Center, Kansas State Univ., Dept. of Agronomy, Manhattan, Kansas 66506 United States. **origin institute id:** KS92WGRC21. **pedigree:** TAM 200\*3/TA2567. **other id:** GP-389. **source:** Crop Sci. 34(2):546 1994. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Hard red winter wheat resistant to wheat soilborne mosaic virus, wheat spindle-streak mosaic virus, and powdery mildew (*Blumeria graminis* sp. *tritici*). The source of resistance is TA 2570, an accession of *Triticum tauschii* from Armenia. Winter Annual. Breeding Material. Seed.

PI 566671 **origin:** United States. **developed:** T.S. Cox, M.E. Sorrells, G.C. Bergstrom, R.G. Sears, B.S. Gill, E.J. Walsh, S. Leath, J.P. Murphy. **origin institute:** USDA-ARS/Kansas Agric. Exp. Station, Wheat Genetics Resource Center, Kansas State Univ., Dept. of Agronomy, Manhattan, Kansas 66506 United States. **origin institute id:** KS92WGRC22. **pedigree:** Century \*3/TA2567. **other id:** GP-390. **source:** Crop Sci. 34(2):546 1994. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Hard red winter wheat resistant to wheat soilborne mosaic virus, wheat spindle-streak mosaic virus, and powdery mildew (*Blumeria graminis* sp. *tritici*). The source of resistance is TA 2567, an accession of *Triticum tauschii* from Armenia. Winter Annual. Breeding Material. Seed.

PI 566672. *Triticum aestivum* L., nom. cons. POACEAE Wheat

**Donated by:** Cox, T.S., Agricultural Research Service -- USDA, Wheat Genetics Resource Center, Manhattan, Kansas 66506, United States; and Kansas Agr. Exp. Sta.. **remarks:** See range PI 566668. Received March 18, 1993.

**origin:** United States. **developed:** T.S. Cox, R.G. Sears, B.S. Gill, E.N. Jellen. **origin institute:** USDA-ARS/Kansas Agric. Exp. Station, Wheat Genetics Resource Center, Kansas State Univ., Dept. of Agronomy, Manhattan, Kansas 66506 United States. **origin institute id:** KS92WGRC23. **pedigree:** Karl//PI 266844/PI 355520. **other id:** GP-393. **source:** Crop Sci. 34(2):546 1994. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Leaf rust-resistant, BC2F2-derived wheat. Winter Annual. Breeding Material. Seed.

PI 566673 to 566693. *Zea mays* subsp. *mexicana* (Schradler) Iltis POACEAE Annual teosinte

**Donated by:** Wilkes, H.G., University of Massachusetts, Biology Department, 100 Morrissey Blvd., Boston, Massachusetts 02125-3393, United States. **remarks:** Collected and increased through cooperative efforts of the Biology Department, Univ. of Massachusetts; USDA-ARS, Beltsville, MD; INIFAP, Guadalajara and Mexico City, Mexico; and CIMMYT, Texcoco, Mexico. Received March 08, 1993.

PI 566673 **origin:** Mexico. **local name:** Maicillo. **collected:** November 13, 1992. **collector:** J. Sanchez, S. Taba, H.G. Wilkes. **locality:** Wet areas along canals and dikes, Hacienda Alcalde near Francisco Villa, 3km off Durango-Zacatecas Road between Puente Gavilanes and Fuente Dalilia, about 15km S of Durango. **latitude:** 24 deg. 11 min. N. **longitude:** 104 deg. 24 min. W. **elevation:** 1950m. **remarks:** Race Central Plateau. Plants abundant. Fls found. Original locality of Palmer 1896 and Collins 1921. Balanced Regeneration Pack - 285 field counted plants at 3 to 5 seeds/plant. Wild. Seed.

PI 566674 **origin:** Mexico. **local name:** Maicillo. **collected:** November 13, 1992. **collector:** J. Sanchez, S. Taba, H.G. Wilkes. **locality:** Along cement lined irrigation canals over railroad bridge, about 20km from Durango on road to Zacatecas, Puente Gavilanes. **latitude:** 24 deg. 01 min. N. **longitude:** 104 deg. 29 min. W. **elevation:** 1950m. **remarks:** Race Central Plateau. Associated with maize Celaya. Balanced Regeneration Pack - 646 field counted plants at 3 to 5 seeds/plant. Wild. Seed.

PI 566673 to 566693-continued

- PI 566675 **origin:** Mexico. **local name:** Maicillo. **collected:** November 16, 1992. **collector:** J. Sanchez, S. Taba, H.G. Wilkes. **locality:** Stoney fields, few plants in maize field, most along stream, protected by willows. Arroyo Tarahumare, Guadalupe y Calvo. **latitude:** 26 deg. 16 min. N. **longitude:** 106 deg. 58 min. W. **elevation:** 1850m. **remarks:** Race Nobogame. Few Fls. Wild but protected. Associated with maize Cristalino de Chihuahua. Balanced Regeneration Pack - 325 field counted plants at 5 to 10 seeds/plant. Wild. Seed.
- PI 566676 **origin:** Mexico. **local name:** Maicillo. **collected:** November 16, 1992. **collector:** J. Sanchez, S. Taba, H.G. Wilkes. **locality:** Place called bathtubs (depressions in rock filled with water), about 4km down stream from Arroyo Tarahumare, Arroyo Tejamanil, Guadalupe y Calvo. **latitude:** 26 deg. 14 min. N. **longitude:** 106 deg. 58 min. W. **elevation:** 1850m. **remarks:** Race Nobogame. Plants abundant. Associated with maize Cristalino de Chihuahua. Balanced Regeneration pack - 225 field counted plants at 5 to 10 seeds/plant. Wild. Seed.
- PI 566677 **origin:** Mexico. **local name:** Maiz de Coyote. **collected:** November 18, 1992. **collector:** S. Taba, H.G. Wilkes. **locality:** Heavy black soil, in unweeded sorghum field, Penjamillo. **latitude:** 20 deg. 10 min. N. **longitude:** 101 deg. 52 min. W. **elevation:** 1750m. **remarks:** Race Central Plateau. Hybrid swarm. Associated with hybrid corn and sorghum. 2nd/and 3rd backcrosses. Owner Sr. G. Hernandez-Garnica, Rancho El Tejocote. Balanced Regeneration Pack - 750 field counted plants at 10 seeds/plant. Wild. Seed.
- PI 566678 **origin:** Mexico. **collected:** November 18, 1992. **collector:** S. Taba, H.G. Wilkes. **locality:** Very wet heavy soil, sorghum field W edge of Panindicuro on road to Penjamillio. **latitude:** 19 deg. 58 min. N. **longitude:** 101 deg. 45 min. W. **elevation:** 1990m. **remarks:** Race Central Plateau. Associated with sorghum. Balanced Regeneration Pack - 400 field counted plants at 3 to 5 seeds/plant. Wild. Seed.
- PI 566679 **origin:** Mexico. **collected:** November 18, 1992. **collector:** S. Taba, H.G. Wilkes. **locality:** Very dry, poor maize field, W side of Cuitzeo. **latitude:** 19 deg. 37 min. N. **longitude:** 101 deg. 11 min. W. **elevation:** 1800m. **remarks:** Race Central Plateau. Fls present. Associated with maize Conico/Norteno. Balanced Regeneration Pack 185 field counted plants at 5 to 10 seeds/plant. Wild. Seed.

- PI 566680 **origin:** Mexico. **collected:** November 18, 1992. **collector:** S. Taba, H.G. Wilkes. **locality:** Maize field on south facing slope of hill above Uriangato, road Morelia to Celaya. **latitude:** 20 deg. 08 min. N. **longitude:** 101 deg. 06 min. W. **elevation:** 1775m. **remarks:** Race Central Plateau. Associated with maize Celaya/Conico Norteno. Balanced Regeneration Pack - 325 field counted plants at 10 seeds/plant. Wild. Seed.
- PI 566681 **origin:** Mexico. **local name:** Maiz Camolote, Maiz de Coyote. **collected:** November 19, 1992. **collector:** S. Taba, H.G. Wilkes. **locality:** Ten km W of Ciudad Hidalgo on R side of Morelia-Toluca road, by stream for 10km. **latitude:** 19 deg. 42 min. N. **longitude:** 100 deg. 34 min. W. **elevation:** 2090m. **remarks:** Race Central Plateau. Seed doesn't part easily. Fl hybrid plants. Associated with maize Chalqueno. Balanced Regeneration Pack - 410 field counted plants at 5 seeds/plant. Wild. Seed.
- PI 566682 **origin:** Mexico. **local name:** Teocintle. **collected:** November 20, 1992. **collector:** H.G. Wilkes. **locality:** Abundant in fields of maize, San Felipe, along cut off road across lake Texcoco to Mexico City, Edo de Mexico. **latitude:** 19 deg. 31 min. N. **longitude:** 098 deg. 48 min. W. **elevation:** 2250m. **remarks:** Race Chalco. Many Fls, few backcrosses. Associated with maize Chalqueno. Balanced Regeneration Pack - 650 plants at 5 seeds/plant. Wild. Seed.
- PI 566683 **origin:** Mexico. **local name:** Acece. **collected:** November 22, 1992. **collector:** H.G. Wilkes, J. Woolston. **locality:** In field at split of the Chalco-Miraflores Road, La Pala, Chalco, Edo de Mexico. **latitude:** 19 deg. 15 min. N. **longitude:** 098 deg. 51 min. W. **elevation:** 2250m. **remarks:** Race Chalco. No Fls found. Large seeded, no hybrids. Associated with maize Chalqueno. Balanced Regeneration Pack - 500 field counted plants at 3 to 5 seeds/plant. Wild. Seed.
- PI 566684 **origin:** Mexico. **local name:** Acece. **collected:** November 25, 1992. **collector:** H.G. Wilkes. **locality:** Maize field, mountains, extremely clear, ejido land held in weedy 10m x 100m strips, San Antonio, Amecameca, Edo de Mexico. **latitude:** 19 deg. 08 min. N. **longitude:** 098 deg. 46 min. W. **elevation:** 2400m. **remarks:** Race Chalco. Only one Fl found. Plants intense red, hairy, distributed in clusters. Associated with maize Chalqueno. Balanced Regeneration Pack - 646 field counted plants at 3 to 5 seeds/plant. Wild. Seed.

PI 566673 to 566693-continued

- PI 566685 **origin:** Mexico. **local name:** Acece. **collected:** November 26, 1992. **collector:** Kato-A., J. Sanchez, H.G. Wilkes. **locality:** Los Reyes, in Y formed by Texcoco and Puebla road into Mexico City near the terminal of a subway line, Edo de Mexico. **latitude:** 19 deg. 22 min. N. **longitude:** 098 deg. 58 min. W. **elevation:** 2200m. **remarks:** Race Chalco. Associated with maize short season Chalqueno. Balanced Regeneration Pack - 725 field counted plants at approx. 5 seeds/plant. Wild. Seed.
- PI 566686 **origin:** Mexico. **local name:** Maiz de Pajaro. **collected:** November 28, 1992. **collector:** J. Sanchez, H.G. Wilkes. **locality:** Dry hillside, along fences of ejido bottom land, Plan de Timbres, 16km beyond Huitzuco and 4km before Paso de Morelos. **latitude:** 18 deg. 13 min. N. **longitude:** 099 deg. 14 min. W. **elevation:** 1225m. **remarks:** Race Balsas. Balanced Regeneration Pack - 580 field counted plants at 5 to 10 seeds/plant. Wild. Seed.
- PI 566687 **origin:** Mexico. **local name:** Maiz de pajaro, Maiz de Huiscatote (both names refer to bird called roadrunner). **collected:** November 29, 1992. **collector:** J. Sanchez, H.G. Wilkes. **locality:** Roadside, km 100 of Teloloapan-Arcelia road at junction of cross road to Amates Grandes. **latitude:** 18 deg. 21 min. N. **longitude:** 100 deg. 12 min. W. **elevation:** 1135m. **remarks:** Race Balsas. Seed form small, most wild of races. Balanced Regeneration Pack - 670 field counted plants at 3 to 5 seeds/plant. Wild. Seed.
- PI 566688 **origin:** Mexico. **local name:** Maiz de pajaro, Maiz de Huiscatote (both names refer to bird called roadrunner). **collected:** November 29, 1992. **collector:** J. Sanchez, H.G. Wilkes. **locality:** Steep slope, fallow fields of Alberto Alvarez, Zacatlancillo, road Teloloapan to Arcelia. **latitude:** 18 deg. 25 min. N. **longitude:** 099 deg. 58 min. W. **elevation:** 1700-1750m. **remarks:** Race Balsas. Plants abundant (thousands). Balanced Regeneration Pack - 635 field counted plants at 5 to 10 seeds/plant. Wild. Seed.
- PI 566689 **origin:** Mexico. **local name:** Maiz de Curtzcatuto. **collected:** November 30, 1992. **collector:** J. Sanchez, H.G. Wilkes. **locality:** Hillside and fields, El Aqucatito, 5 to 7km S of Palmar Chico, Amatepec, Edo de Mexico. **latitude:** 18 deg. 30 min. N. **longitude:** 100 deg. 26 min. W. **elevation:** 970m. **remarks:** Race Balsas. Balanced Regeneration Pack - 685 field collected plants at 3 to 5 seeds/plant. Wild. Seed.

PI 566673 to 566693-continued

- PI 566690 **origin:** Mexico. **collected:** November 30, 1992. **collector:** J. Sanchez, H.G. Wilkes. **locality:** Grazed hillside above Nuevo Santo Thomas de Los Plantanos in very steep arroyo, Santo Thomas, Edo de Mexico. **latitude:** 19 deg. 11 min. N. **longitude:** 100 deg. 17 min. W. **elevation:** 1380m. **remarks:** Race Balsas. Associated with abundance of *Tripsacum*. Balanced Regeneration Pack - 285 field counted plants at 5 to 10 seeds/plant. Wild. Seed.
- PI 566691 **origin:** Mexico. **local name:** Maiz camalote, Maiz de pajaro. **collected:** December 01, 1992. **collector:** J. Sanchez, H.G. Wilkes. **locality:** In and around maize and fallow fields, hot dirt road to Temascal - km 70, Paso Ancho road Huetamo to Morelia, Tzitzio. **latitude:** 19 deg. 27 min. N. **longitude:** 100 deg. 54 min. W. **elevation:** 1100m. **remarks:** Race Balsas. Plants abundant. Balanced Regeneration Pack - 497 field counted plants at 5 to 10 seeds/plant. Wild. Seed.
- PI 566692 **origin:** Mexico. **collected:** December 01, 1992. **collector:** J. Sanchez, H.G. Wilkes. **locality:** Fallow field, under margin of trees, Km 43 road Zitacuraro to Tuzantla, Tuzantla. **latitude:** 19 deg. 04 min. N. **longitude:** 100 deg. 25 min. W. **elevation:** 850m. **remarks:** Race Balsas. Plants abundant. Balanced Regeneration Pack - 575 field counted plants at 3 to 5 seeds/plant. Wild. Seed.
- PI 566693 **origin:** Mexico. **local name:** Cundaz (means unwanted). **collected:** December 03, 1992. **collector:** J. Sanchez, H.G. Wilkes. **locality:** Unweeded ejido fields, Opopeo, Villa Escalante. **latitude:** 19 deg. 24 min. N. **longitude:** 101 deg. 36 min. W. **elevation:** 2190m. **remarks:** Race Central Plateau, very Chalco-like. Associated with maize *Mushito*. Balanced Regeneration Pack - 620 field counted plants at 3 to 5 seeds/plant. Wild. Seed.

PI 566694. *Cuphea calophylla* Cham. & Schldl. var. *calophylla*  
LYTHRACEAE

**Donated by:** Centro Nacional de Recursos Geneticos, Empresa Brasileira de Pesquisa, Agropecuaria, Brasilia, Federal District CEP 70000, Brazil. **remarks:** Seed from 1989 Brazil-United States joint collection trip. Received May 06, 1991.



PI 566694-continued

**donor id:** BRA 002640. **origin:** Brazil. **collected:** November 10, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003082. **other id:** Ames 15448. **source:** NC-7. **group:** Ames. **locality:** Coastal grassland, about 50-100m above beach, sand. At Peru, S of Camboriu. **latitude:** 26 deg. 59 min. S. **longitude:** 004 deg. 37 min. W. **elevation:** 10m. **remarks:** 100+ seed collected. **received as:** *Cuphea carthagenensis*. Wild. Seed.

PI 566695 to 566726. *Cuphea carthagenensis* (Jacq.) J. F. Macbr.  
LYTHRACEAE

**Donated by:** Centro Nacional de Recursos Geneticos, Empresa Brasileira de Pesquisa, Agropecuaria, Brasilia, Federal District CEP 70000, Brazil. **remarks:** Seed from 1989 Brazil-United States joint collection trip. Received May 06, 1991.

PI 566695 **donor id:** BRA 000078. **origin:** Brazil. **collected:** January 31, 1989. **collector:** A.O. Scariot, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** AOS-WWR 269. **other id:** Ames 13523. **source:** NC-7. **group:** Ames. **other id:** AOS 269. **locality:** Along stream bank in wet sand. 156km SW of Brasilia on BR 040 between Cristolina and Paracatu. **latitude:** 16 deg. 58 min. S. **longitude:** 047 deg. 16 min. W. Wild. Seed.

PI 566696 **donor id:** BRA 000531. **origin:** Brazil. **collected:** February 27, 1989. **collector:** T.B. Cavalcanti, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** TBC-WWR 345. **other id:** Ames 13636. **source:** NC-7. **group:** Ames. **other id:** TBC 345. **locality:** Dry stream bed, sand. 8km N of Mucuge toward Andarai. **latitude:** 12 deg. 56 min. S. **longitude:** 041 deg. 19 min. W. **elevation:** 1020m. **received as:** *Cuphea micrantha* Kunth. Wild. Seed.

PI 566697 **donor id:** BRA 000108. **origin:** Brazil. **collected:** February 03, 1989. **collector:** A.O. Scariot, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** AOS-WWR 309. **other id:** Ames 13526. **source:** NC-7. **group:** Ames. **other id:** AOS 309. **locality:** Along rocky stream bank, sandy soil. 23km S of Formiga on BR 354 toward Campo Bello, below bridge over Rio Pouso Alegre. **latitude:** 20 deg. 34 min. S. **longitude:** 045 deg. 23 min. W. **elevation:** 925m. Wild. Seed.

PI 566695 to 566726-continued

- PI 566698 **donor id:** BRA 000147. **origin:** Brazil. **collected:** February 04, 1989. **collector:** A.O. Scariot, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** AOS-WWR 327. **other id:** Ames 13530. **source:** NC-7. **group:** Ames. **other id:** AOS 327. **locality:** Sandy soils. BR 369 bridge over Rio Grande between Esperanco and Campo Belo. Above road, 100m E of river. **latitude:** 20 deg. 58 min. S. **longitude:** 045 deg. 32 min. W. **elevation:** 850m. Wild. Seed.
- PI 566699 **donor id:** BRA 000159. **origin:** Brazil. **collected:** February 05, 1989. **collector:** A.O. Scariot, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** AOS-WWR 345. **other id:** Ames 13531. **source:** NC-7. **group:** Ames. **other id:** AOS 345. **locality:** South facing steep slope in pasture at base of brushy hillocks, clay latosols. 129km E of Lavras on BR 265. Near Barroso. **latitude:** 21 deg. 08 min. S. **longitude:** 044 deg. 08 min. W. **elevation:** 1020m. Wild. Seed.
- PI 566700 **donor id:** BRA 000469. **origin:** Brazil. **collected:** February 09, 1989. **collector:** A.O. Scariot, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** AOS-WWR 382. **other id:** Ames 13539. **source:** NC-7. **group:** Ames. **other id:** AOS 382. **locality:** Roadside to steep pasture, clay latosols. 26km N of Vicosa on BR 120 toward Ponta Nova. Near Teixeiras. **latitude:** 20 deg. 32 min. S. **longitude:** 042 deg. 53 min. W. **elevation:** 690m. Wild. Seed.
- PI 566701 **donor id:** BRA 000469. **origin:** Brazil. **collected:** February 18, 1989. **collector:** T.B. Cavalcanti, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** TBC-WWR 261. **other id:** Ames 13630. **source:** NC-7. **group:** Ames. **other id:** TBC 261. **locality:** Roadside, grassy, flat, 27km SW of Gouvea on BR 259 toward Curvelo, across the highway from roadside water fountain. **latitude:** 18 deg. 35 min. S. **longitude:** 043 deg. 55 min. W. **elevation:** 1010m. **received as:** *Cuphea micrantha* Kunth. Wild. Seed.
- PI 566702 **donor id:** BRA 000485. **origin:** Brazil. **collected:** February 21, 1989. **collector:** T.B. Cavalcanti, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** TBC-WWR 273. **other id:** Ames 13632. **source:** NC-7. **group:** Ames. **other id:** TBC 273. **locality:** Sandy river bank, ESE Grao Mogol near Rio Itacambirucu, about 1km off the road to Cristalia. **latitude:** 16 deg. 36 min. S. **longitude:** 042 deg. 55 min. W. **elevation:** 610m. **received as:** *Cuphea micrantha* Kunth. Wild. Seed.

PI 566695 to 566726-continued

- PI 566703 **donor id:** BRA 002739. **origin:** Brazil. **collected:** November 11, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003092. **other id:** Ames 15451. **source:** NC-7. **group:** Ames. **locality:** Roadside open grassland, sandy soil. 6km NE of Brusque toward Gaspar. Brusque. **latitude:** 27 deg. 06 min. S. **longitude:** 004 deg. 53 min. W. **elevation:** 65m. **remarks:** 100+ seed collected. Wild. Seed.
- PI 566704 **donor id:** BRA 002755. **origin:** Brazil. **collected:** November 11, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003094. **other id:** Ames 15452. **source:** NC-7. **group:** Ames. **locality:** Small population. Roadside grassland, sandy soils. 14km E of Blumenau, N of Rio Itajai on BR 470. Blumenau. **latitude:** 26 deg. 53 min. S. **longitude:** 004 deg. 59 min. W. **elevation:** 90m. **remarks:** 46 seed collected. Wild. Seed.
- PI 566705 **donor id:** BRA 002780. **origin:** Brazil. **collected:** November 12, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003097. **other id:** Ames 15453. **source:** NC-7. **group:** Ames. **locality:** Small population. Roadside in rocky ditch, red clay soil. TV tower above Florenopolis. Florenopolis. **latitude:** 27 deg. 34 min. S. **longitude:** 004 deg. 29 min. W. **elevation:** 320m. **remarks:** 17 seed collected. Wild. Seed.
- PI 566706 **donor id:** BRA 002283. **origin:** Brazil. **collected:** October 30, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003012. **other id:** Ames 15438. **source:** NC-7. **group:** Ames. **locality:** Light colored sand and gravel on roadside, 25km from intersection between Sao Joao de Graciosa & Morrestes. Morrestes. **latitude:** 25 deg. 27 min. S. **longitude:** 004 deg. 52 min. W. **elevation:** 55m. **remarks:** 100+ seed collected. Wild. Seed.
- PI 566707 **donor id:** BRA 002798. **origin:** Brazil. **collected:** November 12, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003099. **other id:** Ames 15454. **source:** NC-7. **group:** Ames. **locality:** Sandy soil near lake shore on south side of Ilha de Santa. Catarina. Florenopolis. Small-scattered population. Mixed vegetation. **latitude:** 27 deg. 44 min. S. **longitude:** 004 deg. 32 min. W. **elevation:** 30m. **remarks:** 100+ seed collected. Wild. Seed.

PI 566695 to 566726-continued

- PI 566708 **donor id:** BRA 002291. **origin:** Brazil. **collected:** October 30, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003013. **other id:** Ames 15439. **source:** NC-7. **group:** Ames. **locality:** Light colored sands on roadside leading into traffic separators. Intersection of roads to Morrestes, Paranagua and BR 277. Morrestes. **latitude:** 25 deg. 32 min. S. **longitude:** 005 deg. 50 min. W. **elevation:** 15m. **remarks:** Possibly mixture of 3 varieties. 100+ seed collected. Wild. Seed.
- PI 566709 **donor id:** BRA 002836. **origin:** Brazil. **collected:** November 13, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003105. **other id:** Ames 15456. **source:** NC-7. **group:** Ames. **locality:** Large population. Open disturbed area above wet lands. 32km NW of Tubarao, between Gravaltal & Braco do Norte. Gravaltal. **latitude:** 28 deg. 23 min. S. **longitude:** 004 deg. 04 min. W. **elevation:** 55m. **remarks:** Plants to 75cm tall. 100+ seed collected. Wild. Seed.
- PI 566710 **donor id:** BRA 002321. **origin:** Brazil. **collected:** October 30, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003017. **other id:** Ames 15440. **source:** NC-7. **group:** Ames. **locality:** Roadside slope, mixed vegetation, light colored sands and gravels. 14km SW of intersection of roads to Morrestes, Paranagua and BR 277 toward Curitiba. Paranagua. **latitude:** 25 deg. 35 min. S. **longitude:** 004 deg. 55 min. W. **elevation:** 380m. **remarks:** 16 seed collected. Wild. Seed.
- PI 566711 **donor id:** BRA 002861. **origin:** Brazil. **collected:** November 14, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003110. **other id:** Ames 15457. **source:** NC-7. **group:** Ames. **locality:** Small-scattered population. Steep open grassland, moderate vegetation, sandy to silt loam soils. 25km W of Orleaes toward Sao Joaquim. Lauro Muller. **latitude:** 28 deg. 22 min. S. **longitude:** 004 deg. 31 min. W. **elevation:** 455m. **remarks:** 100+ seed collected. Wild. Seed.

PI 566695 to 566726-continued

- PI 566712 **donor id:** BRA 002461. **origin:** Brazil. **collected:** November 03, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003043. **other id:** Ames 15441. **source:** NC-7. **group:** Ames. **locality:** Southside of road at small spring, in wet clay soil. 9km E of Laranjeiras do Sul on BR 277. Laranjeiras do Sul. **latitude:** 25 deg. 22 min. S. **longitude:** 005 deg. 28 min. W. **elevation:** 900m. **remarks:** 84 seed collected. Wild. Seed.
- PI 566713 **donor id:** BRA 002950. **origin:** Brazil. **collected:** November 16, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003137. **other id:** Ames 15458. **source:** NC-7. **group:** Ames. **locality:** Very small population. Steep roadside ditch either side of road, red clay soils. At west entrance to Parque Aparados da Serra. Aparados da Serra. **latitude:** 29 deg. 14 min. S. **longitude:** 004 deg. 53 min. W. **elevation:** 500m. **remarks:** 100+ seed collected. Wild. Seed.
- PI 566714 **donor id:** BRA 002500. **origin:** Brazil. **collected:** November 05, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003053. **other id:** Ames 15442. **source:** NC-7. **group:** Ames. **locality:** Small population. Along river bank near head of falls, upstream from picnic area. Foz do Iguacu. **latitude:** 25 deg. 41 min. S. **longitude:** 005 deg. 27 min. W. **elevation:** 265m. **remarks:** 92 seed collected. Wild. Seed.
- PI 566715 **donor id:** BRA 002976. **origin:** Brazil. **collected:** November 17, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003139. **other id:** Ames 15459. **source:** NC-7. **group:** Ames. **locality:** Along edges of grass and brush, sandy soils, except some plants up on steep hillside. Parque Estaaval de Torres. Torres. **latitude:** 29 deg. 20 min. S. **longitude:** 004 deg. 43 min. W. **elevation:** 0m. **remarks:** 100+ seed collected. Wild. Seed.
- PI 566716 **donor id:** BRA 002534. **origin:** Brazil. **collected:** November 07, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003056. **other id:** Ames 15444. **source:** NC-7. **group:** Ames. **locality:** Moderate-scattered population. Steep hillside near road, among rocks. 33km S of Santa Teresa toward Marmelandia on PR 182. Santa Teresa. **latitude:** 25 deg. 22 min. S. **longitude:** 005 deg. 40 min. W. **elevation:** 680m. **remarks:** 100+ seed collected. Wild. Seed.

PI 566695 to 566726-continued

- PI 566717 **donor id:** BRA 003018. **origin:** Brazil. **collected:** November 17, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003144. **other id:** Ames 15460. **source:** NC-7. **group:** Ames. **locality:** Small population. Roadside up into steep rocky hillside, open grassland, sandy soil. 10km SW of Torres, at N edge of Lagoa Itapeya. Lagoa Itapeya. **latitude:** 29 deg. 22 min. S. **longitude:** 004 deg. 48 min. W. **elevation:** 0m. **remarks:** 100+ seed collected. Wild. Seed.
- PI 566718 **donor id:** BRA 002542. **origin:** Brazil. **collected:** November 07, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003057. **other id:** Ames 15445. **source:** NC-7. **group:** Ames. **locality:** Small-scattered population. Roadside disturbed area, along field edge, and foot of bridge abutment. At Rio Iguacu and PR 182. Marmelandia. **latitude:** 25 deg. 33 min. S. **longitude:** 005 deg. 35 min. W. **elevation:** 420m. **remarks:** 100+ seed collected. Wild. Seed.
- PI 566719 **donor id:** BRA 003026. **origin:** Brazil. **collected:** November 17, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003145. **other id:** Ames 15461. **source:** NC-7. **group:** Ames. **locality:** Very large population. Lower wet areas, brown alluvial soils. 10km SW of Torres, at N edge of Lagoa Itapeya. Lagoa Itapeya. **latitude:** 29 deg. 22 min. S. **longitude:** 004 deg. 48 min. W. **elevation:** 0m. **remarks:** 100+ seed collected. Wild. Seed.
- PI 566720 **donor id:** BRA 002551. **origin:** Brazil. **collected:** November 07, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003058. **other id:** Ames 15446. **source:** NC-7. **group:** Ames. **locality:** Roadside to near small stream, disturbed area, red clay soil. 5km SW of Ampere on road to Barracao. Ampere. **latitude:** 25 deg. 56 min. S. **longitude:** 005 deg. 30 min. W. **elevation:** 660m. **remarks:** 100 seed collected. Wild. Seed.

PI 566695 to 566726-continued

- PI 566721 **donor id:** BRA 00 3042. **origin:** Brazil. **origin institute id:** BRA 003042. **collected:** November 18, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003149. **other id:** Ames 15462. **source:** NC-7. **group:** Ames. **locality:** Along open grassland and road to small creek, clay loam soils. 17km from intersection of BR 101 and road to Morro Azul, NW of Morro Azul, Morro Azul. **latitude:** 29 deg. 23 min. S. **longitude:** 004 deg. 50 min. W. **elevation:** 90m. **remarks:** 39 seed collected. Wild. Seed.
- PI 566722 **donor id:** BRA 003085. **origin:** Brazil. **collected:** November 19, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003155. **other id:** Ames 15464. **source:** NC-7. **group:** Ames. **locality:** Small-scattered population. Wet area next to interchange, clay loam soils. BR 290 exit to Santa Antonio between Osorio and Porta Alegre. Santa Antonio. **latitude:** 29 deg. 54 min. S. **longitude:** 005 deg. 32 min. W. **elevation:** 25m. **remarks:** 100+ seed collected. Wild. Seed.
- PI 566723 **donor id:** BRA 002704. **origin:** Brazil. **collected:** November 11, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003088. **other id:** Ames 15450. **source:** NC-7. **group:** Ames. **locality:** Small population. Roadside to brushy pasture, sandy soil. 3km NW of Canelinha toward Brusque. Canelinha. **latitude:** 27 deg. 15 min. S. **longitude:** 004 deg. 47 min. W. **elevation:** 25m. **remarks:** 100+ seed collected. Wild. Seed.
- PI 566724 **donor id:** BRA 003115. **origin:** Brazil. **collected:** November 19, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003159. **other id:** Ames 15465. **source:** NC-7. **group:** Ames. **locality:** Small population. Near bridge, growing between concrete slabs on abutment. 15km E of Porto Alegre on BR 290. Porto Alegre. **latitude:** 29 deg. 57 min. S. **longitude:** 005 deg. 06 min. W. **elevation:** 20m. **remarks:** 25 seed collected. Wild. Seed.
- PI 566725 **donor id:** BRA 003123. **origin:** Brazil. **collected:** November 21, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003160. **other id:** Ames 15466. **source:** NC-7. **group:** Ames. **locality:** Collected from wet sands near the edge of a small pond 1km E of beach in Itapoa park. Itapoa. Small-scattered population. **latitude:** 30 deg. 21 min. S. **longitude:** 005 deg. 02 min. W. **elevation:** 0m. **remarks:** 100+ seed collected. Wild. Seed.

PI 566695 to 566726-continued

PI 566726 **donor id:** BRA 003824. **origin:** Brazil. **collected:** December 03, 1989. **collector:** G. Pedralli, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** GP-WWR 003249. **other id:** Ames 15470. **source:** NC-7. **group:** Ames. **locality:** Very small population. Along roadside into abandoned field, light colored clay soils. 1km NW of intersection of Uniao da Vitoria and road to Cruz Machado toward Cruz Machado. Uniao da Vitoria. **latitude:** 26 deg. 14 min. S. **longitude:** 005 deg. 06 min. W. **elevation:** 800m. **remarks:** 40 seed collected. Wild. Seed.

PI 566727 to 566732. *Cuphea micrantha* Kunth LYTHRACEAE

**Donated by:** Centro Nacional de Recursos Geneticos, Empresa Brasileira de Pesquisa, Agropecuaria, Brasilia, Federal District CEP 70000, Brazil. **remarks:** Seed from 1989 Brazil-United States joint collection trip. Received May 06, 1991.

PI 566727 **donor id:** BRA 000523. **origin:** Brazil. **collected:** February 25, 1989. **collector:** T.B. Cavalcanti, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** TBC-WWR 305. **other id:** Ames 13635. **source:** NC-7. **group:** Ames. **other id:** TBC 305. **locality:** Roadside near stream, wet sands. 13km NW of Rio de Contas on road to Rio da Caixa. **latitude:** 13 deg. 29 min. S. **longitude:** 041 deg. 48 min. W. **elevation:** 960m. Wild. Seed.

PI 566728 **donor id:** BRA 000361. **origin:** Brazil. **collected:** February 01, 1989. **collector:** A.O. Scariot, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** AOS-WWR 270. **other id:** Ames 13620. **source:** NC-7. **group:** Ames. **other id:** AOS 270. **locality:** Large population. Rocky roadside ditch up onto hilltop. 7km SE of Paracatu on BR 040 near intersection with MG 188. **latitude:** 17 deg. 19 min. S. **longitude:** 046 deg. 48 min. W. **elevation:** 860m. Wild. Seed.

PI 566729 **donor id:** BRA 000370. **origin:** Brazil. **collected:** February 01, 1989. **collector:** A.O. Scariot, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** AOS-WWR 272. **other id:** Ames 13621. **source:** NC-7. **group:** Ames. **other id:** AOS 272. **locality:** Large population. In pasture and as weed at edge of field, sand. At BR 040 bridge across Rio das Almas, SE Joao Pinheiro, W side of river. **latitude:** 18 deg. S. **longitude:** 045 deg. 49 min. W. **elevation:** 790m. Wild. Seed.



PI 566727 to 566732-continued

PI 566730 **donor id:** BRA 000383. **origin:** Brazil. **collected:** February 01, 1989. **collector:** A.O. Scariot, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** AOS-WWR 273. **other id:** Ames 13622. **source:** NC-7. **group:** Ames. **other id:** AOS 273. **locality:** Scattered population. Highway ditch, gray sand. 17km SW of intersection of BR 040 and BR 365, on BR 365. Near Veredas. **latitude:** 18 deg. 07 min. S. **longitude:** 045 deg. 43 min. W. **elevation:** 900m. Wild. Seed.

PI 566731 **donor id:** BRA 000396. **origin:** Brazil. **collected:** February 01, 1989. **collector:** A.O. Scariot, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** AOS-WWR 274. **other id:** Ames 13623. **source:** NC-7. **group:** Ames. **other id:** AOS 274. **locality:** Roadside ditch up into wooded area, gray sand. 30km SW of intersection BR 040 and BR 365, on BR 365. Near Veredas. **latitude:** 18 deg. 11 min. S. **longitude:** 045 deg. 50 min. W. **elevation:** 890m. Wild. Seed.

PI 566732 **donor id:** BRA 000493. **origin:** Brazil. **collected:** February 21, 1989. **collector:** T.B. Cavalcanti, CENARGEN, Brazil; W.W. Roath, NCRPIS, United States. **collector id:** TBC-WWR 277. **other id:** Ames 13633. **source:** NC-7. **group:** Ames. **other id:** TBC 277. **locality:** Weedy roadside, NE edge of Grao Mogol on the road to Josenopolis. **latitude:** 16 deg. 34 min. S. **longitude:** 042 deg. 54 min. W. **elevation:** 790m. Wild. Seed.

PI 566733. *Cuphea racemosa* subsp. *hirticaulis* (Koehne) Lourt.  
LYTHRACEAE

**Donated by:** Graham, S., Kent State University, Dept. Biological Sciences, Kent, Ohio 44242-0001, United States. Received April 11, 1988.

**donor id:** Boom 790. **origin:** Brazil. **collected:** April 23, 1981. **collector:** Boom, et al. **collector id:** Boom 790. **other id:** Ames 8334. **source:** NC-7. **group:** Ames. **locality:** Collected from waste area beside greenhouse between Ilheus and Itabuna, CEPLAC (cocoa expt. station), Bahia. Perennial. Wild. Seed.

PI 566734. *Cuphea viscosissima* Jacq. LYTHRACEAE

**Donated by:** Widrlechner, M.P., USDA-ARS, North Central Regional PI Station, Iowa State University, Ames, Iowa 50011, United States. Received March 26, 1993.

PI 566734-continued

**donor id:** 276. **origin:** United States. **collected:** October 12, 1990. **collector:** M.P. Widrlechner.  
**collector id:** 276. **other id:** Ames 14399. **source:** NC-7.  
**group:** Ames. **locality:** Plants growing along ditch on east side of Chillicothe Road across from City Campground, Carrollton, Carroll County, Missouri. Legal description: T53N, R23W, SE 1/4 of NW 1/4 of Sec. 33.  
**latitude:** 39 deg. 22 min. N. **longitude:** 093 deg. 29 min. W. **elevation:** 209m. Wild. Seed.

PI 566735. *Solanum acaule* Bitter SOLANACEAE Potato

**Donated by:** Hoopes, R.W., Cornell University, Ithaca, New York, United States. Received March 19, 1993.

**donor id:** Hps 001. **origin:** Bolivia. **collector:** R.W. Hoopes. **collector id:** Hps 001. Wild. Seed.

PI 566736. *Solanum brachycarpum* Correll SOLANACEAE Potato

**Donated by:** Tarn, R., Agriculture Canada, Fredericton, New Brunswick, Canada. Received March 19, 1993.

**donor id:** TRHRG 044. **origin:** Mexico. **collected:** October 15, 1982. **collector:** R. Tarn. **collector id:** TRHRG 044. Wild. Seed.

PI 566737. *Solanum brevidens* Philippi SOLANACEAE Potato

**Donated by:** Brucher, E.H., Centro Regional de Investigaciones, Cientificas y Technologicas, Argentina. Received March 19, 1993.

**donor id:** Bru 008. **origin:** Paraguay. **collector:** E.H. Brucher. **collector id:** Bru 008. Wild. Seed.

PI 566738 to 566739. *Solanum chacoense* Bitter SOLANACEAE Potato

**Donated by:** Brucher, E.H., Centro Regional de Investigaciones, Cientificas y Technologicas, Argentina. Received March 19, 1993.

PI 566738 **donor id:** Bru 021. **origin:** Paraguay. **collector:** E.H. Brucher. **collector id:** Bru 021. Wild. Seed.

PI 566739 **donor id:** Bru 022. **origin:** Paraguay. **collector:** E.H. Brucher. **collector id:** Bru 022. Wild. Seed.

PI 566740 to 566741. Solanum chacoense Bitter SOLANACEAE Potato

**Donated by:** Hawkes, J.G., University of Birmingham, Birmingham, England, United Kingdom. Received March 19, 1993.

PI 566740 **donor id:** Haw 3180. **origin:** Argentina. **collector:** J.G. Hawkes. **collector id:** Haw 3180. Wild. Seed.

PI 566741 **donor id:** Haw 3278. **origin:** Argentina. **collector:** J.G. Hawkes. **collector id:** Haw 3278. Wild. Seed.

PI 566742 to 566745. Solanum chacoense Bitter SOLANACEAE Potato

**Donated by:** Okada, K.A., Estacion Experimental Agropecuaria, Balcarce, Argentina. Received March 19, 1993.

PI 566742 **donor id:** Oka 4192. **origin:** Argentina. **collected:** January 12, 1972. **collector:** K.A. Okada. **collector id:** Oka 4192. **locality:** Union. Route 9, Bell-Ville. Wild. Seed.

PI 566743 **donor id:** Oka 5321 X 5323. **origin:** Argentina. **collected:** February 25, 1974. **collector:** K.A. Okada. **collector id:** Oka 5321 X 5323. **locality:** Sanagasta. Las Penas, ruta nac. 75, 45km al Norte del Deique Los Sauces. **latitude:** 29 deg. 05 min.. **longitude:** 067 deg. 02 min.. **elevation:** 1300m. Wild. Seed.

PI 566744 **donor id:** Oka 5327 X 5330. **origin:** Argentina. **collected:** February 26, 1974. **collector:** K.A. Okada. **collector id:** Oka 5327 X 5330. **locality:** Capital. Sierra de Ambato, Quebrada de la Sebila, ruta nac. 60, km 1142. **latitude:** 28 deg. 46 min.. **longitude:** 066 deg. 22 min.. **elevation:** 1000m. Wild. Seed.

PI 566745 **donor id:** Oka 5617. **origin:** Argentina. **collected:** April 07, 1974. **collector:** K.A. Okada. **collector id:** Oka 5617. **locality:** Rosario de Lerma. Camino a El puyil, 21km del cruce con ruta 51; cruce a 2km al oeste de Campo Quijano. **latitude:** 24 deg. 58 min.. **longitude:** 065 deg. 45 min.. **elevation:** 1700m. Wild. Seed.

PI 566746. Solanum chacoense Bitter SOLANACEAE Potato

**Donated by:** Okada, K.A., Estacion Experimental Agropecuaria, Balcarce, Argentina. Received March 19, 1993.

PI 566746-continued

**donor id:** ORHL 4825. **origin:** Argentina. **collected:** March 21, 1973. **collector:** K.A. Okada, H. Ross, Haisma, O. Lucarini. **collector id:** ORHL 4825. **locality:** Rosario de Lerma, ruta nac. 51, km 44-45, entre El alisal y Chorrillos. **latitude:** 24 deg. 49 min.. **longitude:** 065 deg. 42 min.. **elevation:** 1900m. Wild. Seed.

PI 566747. *Solanum chomatophilum* Bitter SOLANACEAE Potato

**Donated by:** Institute of Plant Breeding, Gros-Lusewitz, Germany. Received March 19, 1993.

**donor id:** GLKS 81/5. **origin:** Peru. Wild. Seed.

PI 566748 to 566750. *Solanum colombianum* Dunal SOLANACEAE Potato

**Donated by:** Coll. Central Colombiana Agra Pecuaria, Bogota, Colombia. Received March 19, 1993.

PI 566748 **donor id:** CCC 5154. **origin:** Colombia. Wild. Seed.

PI 566749 **donor id:** CCC 5156. **origin:** Colombia. Wild. Seed.

PI 566750 **donor id:** CCC 5157. **origin:** Colombia. Wild. Seed.

PI 566751. *Solanum commersonii* Dunal ex Poiret SOLANACEAE Potato

**Donated by:** Hoffman, W., Estacion Experimental Agropecuaria, Balcarce, Argentina. Received March 19, 1993.

**donor id:** Hof S.N.. **origin:** Argentina. **collector:** W. Hoffman. **collector id:** Hof S.N.. Wild. Seed.

PI 566752 to 566753. *Solanum fernandezianum* Philippi SOLANACEAE Potato

**Donated by:** Bamberg, J., Peninsula Exp. Sta., USDA-ARS, Sturgeon Bay, Wisconsin 54235, United States. Received March 19, 1993.

PI 566752 **donor id:** And 1569. **origin:** Chile. **collector:** Anderson. **collector id:** And 1569. Wild. Seed.

PI 566753 **donor id:** And 1604. **origin:** Chile. **collector:** Anderson. **collector id:** And 1604. Wild. Seed.

PI 566754 to 566756. *Solanum fernandezianum* Philippi SOLANACEAE  
Potato

**Donated by:** Contreras, A.M., Universidad Austral de Chile, Valdivia, Chile. Received March 19, 1993.

PI 566754 **donor id:** Con 078. **origin:** Chile. **collector:** A.M. Contreras. **collector id:** Con 078. Wild. Seed.

PI 566755 **donor id:** Con 088. **origin:** Chile. **collector:** A.M. Contreras. **collector id:** Con 088. Wild. Seed.

PI 566756 **donor id:** Con 819. **origin:** Chile. **collector:** A.M. Contreras. **collector id:** Con 819. Wild. Seed.

PI 566757 to 566765. *Solanum gourlayi* Hawkes SOLANACEAE Potato

**Donated by:** Okada, K.A., Estacion Experimental Agropecuaria, Balcarce, Argentina. Received March 19, 1993.

PI 566757 **donor id:** Oka 4346. **origin:** Argentina. **collector:** K.A. Okada. **collector id:** Oka 4346. **locality:** Tumbaya, quebrada de Sepulturas. **elevation:** 3200m. Wild. Seed.

PI 566758 **donor id:** Oka 4540. **origin:** Argentina. **collected:** April 05, 1972. **collector:** K.A. Okada. **collector id:** Oka 4540. **locality:** Humahuaca. Sa Alta, quebrada del Agua Blanca. **latitude:** 23 deg. 10 min.. **longitude:** 065 deg. 26 min.. **elevation:** 3580m. Wild. Seed.

PI 566759 **donor id:** Oka 4877. **origin:** Argentina. **collected:** March 30, 1973. **collector:** K.A. Okada. **collector id:** Oka 4877. **locality:** Los Andes. 3km al W de San Antonio de los Cobres por ruta nac. 51, km 164, cerca del puente sobre el rio San Antonio de los cobres an la Sierra del Cobre. **latitude:** 24 deg. 16 min.. **longitude:** 066 deg. 19 min.. **elevation:** 3800m. Wild. Seed.

PI 566760 **donor id:** Oka 4920 X 4921. **origin:** Argentina. **collected:** April 05, 1973. **collector:** K.A. Okada. **collector id:** Oka 4920 X 4921. **locality:** La Poma. El cajon por ruta nac. 40, 5km al sur de Campo Negro o 30km al N del cruce con ruta nac. 59. **latitude:** 24 deg. 49 min.. **longitude:** 066 deg. 11 min.. **elevation:** 2640m. Wild. Seed.

PI 566761 **donor id:** Oka 7647. **origin:** Argentina. **collected:** April 24, 1983. **collector:** K.A. Okada. **collector id:** Oka 7647. **locality:** Rosario de Lerma. La Bomba; 1km northwest of 7642 on route 51. **latitude:** 24 deg. 19 min.. **longitude:** 066 deg. 07 min.. **elevation:** 3500m. **remarks:** Stoney slopes. Wild. Seed.

PI 566757 to 566765-continued

PI 566762 **donor id:** Oka 7670A. **origin:** Argentina. **collected:** April 30, 1983. **collector:** K.A. Okada. **collector id:** Oka 7670A. **locality:** La Poma. Quebrada del Rio Calchaque, 1km north of La Quesera near El Rodeo on route 40. **latitude:** 24 deg. 33 min.. **longitude:** 066 deg. 12 min.. **elevation:** 3550m. Wild. Seed.

PI 566763 **donor id:** Oka 7675. **origin:** Argentina. **collected:** May 04, 1983. **collector:** K.A. Okada. **collector id:** Oka 7675. **locality:** Cachi. Sierra de Cachi, Las Cuevas, about six hours northwest of Cachi by mule on the trail to Nevado de Cachi. **latitude:** 25 deg. 09 min.. **longitude:** 066 deg. 22 min.. **elevation:** 3500m. **remarks:** Under bushes at the bank of a mountain stream. Wild. Seed.

PI 566764 **donor id:** Oka 7676A. **origin:** Argentina. **collected:** May 04, 1983. **collector:** K.A. Okada. **collector id:** Oka 7676A. **locality:** Cachi. Sierra de Cachi, Las Cuevas, about six hours northwest of Cachi by mule on trail to Nevado de Cachi. **latitude:** 25 deg. 09 min.. **longitude:** 066 deg. 22 min.. **elevation:** 3500m. **remarks:** 100 m upstream of 7675. Wild. Seed.

PI 566765 **donor id:** Oka 7677. **origin:** Argentina. **collected:** May 04, 1983. **collector:** K.A. Okada. **collector id:** Oka 7677. **locality:** Cachi. Sierra de Cachi, las Cuevas, about six hours northwest Cachi by mule on trail to Nevado de Cachi. **latitude:** 25 deg. 09 min.. **longitude:** 066 deg. 22 min.. **elevation:** 3500m. **remarks:** 400 m upstream of 7675. Wild. Seed.

PI 566766 to 566770. *Solanum infundibuliforme* Philippi SOLANACEAE  
Potato

**Donated by:** Okada, K.A., Estacion Experimental Agropecuaria, Balcarce, Argentina. Received March 19, 1993.

PI 566766 **donor id:** Oka 4301 X 4316. **origin:** Argentina. **collected:** March 17, 1972. **collector:** K.A. Okada. **collector id:** Oka 4301 X 4316. **locality:** Tumbaya, quebrada de Estancia Grande. **latitude:** 23 deg. 37 min.. **longitude:** 065 deg. 32 min.. **elevation:** 3100m. Wild. Seed.

PI 566767 **donor id:** Oka 4487. **origin:** Argentina. **collected:** April 02, 1972. **collector:** K.A. Okada. **collector id:** Oka 4487. **locality:** Humahuaca. Sa de Zenta, quebrada del arroyo de Zenta. **latitude:** 23 deg. 10 min.. **longitude:** 065 deg. 03 min.. **elevation:** 4300m. Wild. Seed.

PI 566766 to 566770-continued

- PI 566768 **donor id:** Oka 4492. **origin:** Argentina. **collected:** April 02, 1972. **collector:** K.A. Okada. **collector id:** Oka 4492. **locality:** Humahuaca. Cianzo. **latitude:** 23 deg. 15 min.. **longitude:** 065 deg. 13 min.. **elevation:** 3800m. Wild. Seed.
- PI 566769 **donor id:** Oka 4571A. **origin:** Argentina. **collected:** April 11, 1972. **collector:** K.A. Okada. **collector id:** Oka 4571A. **locality:** Humahuaca. Ruta prov. 13, 14km al NE de Iturbe. **latitude:** 22 deg. 57 min.. **longitude:** 065 deg. 16 min.. **elevation:** 3700m. Wild. Seed.
- PI 566770 **donor id:** Oka 5382. **origin:** Argentina. **collected:** March 26, 1974. **collector:** K.A. Okada. **collector id:** Oka 5382. **locality:** Humahuaca. Serrania de Aparzo, 4km arriba de Pucara por el camino a Aparzo. **latitude:** 23 deg. 12 min.. **longitude:** 065 deg. 14 min.. **elevation:** 3980m. Wild. Seed.

PI 566771 to 566777. *Solanum kurtzianum* Bitter & Wittm. SOLANACEAE  
Potato

**Donated by:** Okada, K.A., Estacion Experimental Agropecuaria, Balcarce, Argentina. Received March 19, 1993.

- PI 566771 **donor id:** Oka 4202. **origin:** Argentina. **collected:** January 30, 1972. **collector:** K.A. Okada. **collector id:** Oka 4202. **locality:** Chilecito. Santa Florentina, cerca de Chilecito. **latitude:** 29 deg. 08 min.. **longitude:** 067 deg. 33 min.. **elevation:** 1400m. Wild. Seed.
- PI 566772 **donor id:** Oka 4281. **origin:** Argentina. **collected:** February 13, 1972. **collector:** K.A. Okada. **collector id:** Oka 4281. **locality:** Ullun. Sa de la Invernada. **latitude:** 30 deg. 45 min.. **longitude:** 069 deg. 02 min.. **elevation:** 2000m. Wild. Seed.
- PI 566773 **donor id:** Oka 4283. **origin:** Argentina. **collector:** K.A. Okada. **collector id:** Oka 4283. **locality:** Bajo jarilla. Wild. Seed.
- PI 566774 **donor id:** Oka 4284. **origin:** Argentina. **collector:** K.A. Okada. **collector id:** Oka 4284. **locality:** Bajo jarilla. Wild. Seed.

PI 566771 to 566777-continued

- PI 566775 **donor id:** Oka 4979 X 4980. **origin:** Argentina. **collected:** April 15, 1973. **collector:** K.A. Okada. **collector id:** Oka 4979 X 4980. **locality:** Gral Lavalle. Aicunaa, 9km al S del cruce con ruta nac. 40, 50m de la calle principal del pueblo por un senderito que baja al rio de la Cuestecita. **latitude:** 29 deg. 30 min.. **longitude:** 067 deg. 45 min.. **elevation:** 1700m. Wild. Seed.
- PI 566776 **donor id:** Oka 4981. **origin:** Argentina. **collected:** April 15, 1973. **collector:** K.A. Okada. **collector id:** Oka 4981. **locality:** Gral Lavalle. 3km al W de ruta nac. 40, km 531. **latitude:** 29 deg. 24 min.. **longitude:** 067 deg. 50 min.. **elevation:** 1600m. Wild. Seed.
- PI 566777 **donor id:** Oka 6138. **origin:** Argentina. **collector:** K.A. Okada. **collector id:** Oka 6138. **locality:** Belen. Pozo de Piedra, 18km al sur del cruce con ruta 40, 200m pasando el almacen de Paulino Escotoria. **elevation:** 1900m. Wild. Seed.

PI 566778 to 566780. *Solanum megistacrolobum* Bitter SOLANACEAE Potato

**Donated by:** Okada, K.A., Estacion Experimental Agropecuaria, Balcarce, Argentina. Received March 19, 1993.

- PI 566778 **donor id:** Oka 4429A. **origin:** Argentina. **collector:** K.A. Okada. **collector id:** Oka 4429A. **locality:** Tilcara. La Cueva por la senda de Casa Colorada a quebrada del rio Ventura y El Durazno. **latitude:** 23 deg. 34 min.. **longitude:** 065 deg. 16 min.. **elevation:** 3900m. Wild. Seed.
- PI 566779 **donor id:** Oka 4485. **origin:** Argentina. **collected:** April 02, 1972. **collector:** K.A. Okada. **collector id:** Oka 4485. **locality:** Humahuaca. Chiquero, en la quebrada del arroyo de Zenta. **latitude:** 23 deg. 10 min.. **longitude:** 065 deg. 03 min.. **elevation:** 4400m. Wild. Seed.
- PI 566780 **donor id:** Oka 4527B. **origin:** Argentina. **collected:** April 03, 1972. **collector:** K.A. Okada. **collector id:** Oka 4527B. **locality:** Humahuaca. Bajo muna-muna. **latitude:** 23 deg. 12 min.. **longitude:** 065 deg. 27 min.. **elevation:** 3300m. Wild. Seed.

PI 566781. *Solanum oplocense* Hawkes SOLANACEAE Potato

**Donated by:** Hoopes, R.W., Cornell University, Ithaca, New York, United States. Received March 19, 1993.



PI 566781-continued

**donor id:** HAO 120. **origin:** Bolivia. **collected:** March 21, 1986. **collector:** R.W. Hoopes. **collector id:** HAO 120. **locality:** 94km from Tupiza. 8km after Catagaita on route to Potasi. **elevation:** 2700m. **remarks:** In dry stream bed. Wild. Seed.

PI 566782 to 566784. *Solanum oplocense* Hawkes SOLANACEAE Potato

**Donated by:** Okada, K.A., Estacion Experimental Agropecuaria, Balcarce, Argentina. Received March 19, 1993.

PI 566782 **donor id:** Oka 3940. **origin:** Argentina. **collector:** K.A. Okada. **collector id:** Oka 3940. **locality:** Santa Catalina. El Angosto, 34km from Santa Catalina. **elevation:** 3940m. Wild. Seed.

PI 566783 **donor id:** Oka 3947. **origin:** Argentina. **collector:** K.A. Okada. **collector id:** Oka 3947. **locality:** Santa Catalina. Wild. Seed.

PI 566784 **donor id:** Oka 5605A. **origin:** Argentina. **collected:** April 05, 1974. **collector:** K.A. Okada. **collector id:** Oka 5605A. **locality:** Rosario de Lerma. Quebrada Munal, about 8km al noroeste de Las Cuevas. **latitude:** 24 deg. 19 min.. **longitude:** 066 deg. 06 min.. **elevation:** 3700m. Wild. Seed.

PI 566785. *Solanum orophilum* Correll SOLANACEAE Potato

**Donated by:** Ochoa, C.M., International Potato Center, Lima, Peru. Received March 19, 1993.

**donor id:** Och S.N.. **origin:** Peru. **collector:** C.M. Ochoa. **collector id:** Och S.N.. Wild. Seed.

PI 566786. *Solanum phureja* Juz. & Buk. SOLANACEAE Potato

**Donated by:** International Potato Center, Lima, Peru. Received March 19, 1993.

**donor id:** CIP 703280. **origin:** Peru. Wild. Seed.

PI 566787. *Solanum sitiens* I. M. Johnston SOLANACEAE Potato

**Donated by:** Bamberg, J., Peninsula Exp. Sta., USDA-ARS, Sturgeon Bay, Wisconsin 54235, United States. Received March 19, 1993.

PI 566787-continued

**donor id:** La 469. **origin:** Chile. **collector id:** La 469.  
Wild. Seed.

PI 566788. Solanum sp. SOLANACEAE Potato

**Donated by:** Hawkes, J.G., University of Birmingham, Birmingham,  
England, United Kingdom. Received March 19, 1993.

**donor id:** Haw 1607. **origin:** Mexico. **collector:** J.G.  
Hawkes. **collector id:** Haw 1607. Wild. Seed.

PI 566789 to 566791. Solanum sp. SOLANACEAE Potato

**Donated by:** Hoopes, R.W., Cornell University, Ithaca, New York,  
United States. Received March 19, 1993.

PI 566789 **donor id:** HAO 146. **origin:** Bolivia. **collected:** March  
29, 1986. **collector:** R.W. Hoopes. **collector id:** HAO  
146. **locality:** Chillapachita. 2km beyond Candelaria,  
10km before Icla. **elevation:** 3000m. Wild. Seed.

PI 566790 **donor id:** HAO 164A. **origin:** Bolivia. **collected:** April  
01, 1986. **collector:** R.W. Hoopes. **collector id:** HAO  
164A. **locality:** 117km from Azurdry or 37km before  
Corralon-Maya on road to Tarabuco. **elevation:** 3700m.  
**remarks:** Ledges at foot of rock cliffs at top of steep  
slope. Wild. Seed.

PI 566791 **donor id:** HAO 164B. **origin:** Bolivia. **collected:** April  
01, 1986. **collector:** R.W. Hoopes. **collector id:** HAO  
164B. **locality:** 117km from Azurdry or 37km before  
Corralon-Maya on road to Tarabuco. **elevation:** 3700m.  
**remarks:** Ledges at foot of rock cliffs at top of steep  
slope. Wild. Seed.

PI 566792 to 566795. Solanum sp. SOLANACEAE Potato

**Donated by:** Okada, K.A., Estacion Experimental Agropecuaria,  
Balcarce, Argentina. Received March 19, 1993.

\* PI 566792 Solanum venturii Hawkes & Hjert. SOLANACEAE Potato  
**donor id:** Oka 4383. **origin:** Argentina. **collected:** March  
23, 1972. **collector:** K.A. Okada. **collector id:** Oka  
4383. **locality:** Tilcara. Piscuno, por la senca de Casa  
Colorada a Melule. **latitude:** 23 deg. 38 min..  
**longitude:** 065 deg. 06 min.. **elevation:** 3100m. Wild.  
Seed.

PI 566792 to 566795-continued

PI 566793 **donor id:** Oka 5034. **origin:** Argentina. **collected:** April 29, 1973. **collector:** K.A. Okada. **collector id:** Oka 5034. **locality:** Famatina. El Potrerillo, Finca de R. Galleguillos. **latitude:** 28 deg. 52 min.. **longitude:** 067 deg. 42 min.. **elevation:** 1800m. Wild. Seed.

PI 566794 **donor id:** Oka 6139. **origin:** Argentina. **collector:** K.A. Okada. **collector id:** Oka 6139. **locality:** Belen. Finca Molinos. Bajo cerca de ramas. Wild. Seed.

PI 566795 **donor id:** Oka 7616 X 7618A. **origin:** Argentina. **collected:** April 12, 1983. **collector:** K.A. Okada. **collector id:** Oka 7616 X 7618A. **locality:** Tilcara. Las Abritas above El Durazno. **latitude:** 23 deg. 36 min.. **longitude:** 065 deg. 11 min.. **elevation:** 3100m. **remarks:** Grassy slopes. Wild. Seed.

PI 566796. *Solanum* sp. SOLANACEAE Potato

**Donated by:** Bamberg, J., Peninsula Exp. Sta., USDA-ARS, Sturgeon Bay, Wisconsin 54235, United States. Received March 19, 1993.

**donor id:** Par S.N.. **origin:** Colombia. **collector id:** Par S.N.. Wild. Seed.

PI 566797. *Solanum spegazzinii* Bitter SOLANACEAE Potato

**Donated by:** Hawkes, J.G., University of Birmingham, Birmingham, England, United Kingdom. Received March 19, 1993.

**donor id:** Haw 6079. **origin:** Argentina. **collector:** J.G. Hawkes. **collector id:** Haw 6079. Wild. Seed.

PI 566798. *Solanum sucrense* Hawkes SOLANACEAE Potato

**Donated by:** Hawkes, J.G., University of Birmingham, Birmingham, England, United Kingdom. Received March 19, 1993.

**donor id:** Haw 1479. **origin:** Mexico. **collector:** J.G. Hawkes. **collector id:** Haw 1479. Wild. Seed.

PI 566799. *Solanum tarijense* Hawkes SOLANACEAE Potato

**Donated by:** Hoffman, W., Estacion Experimental Agropecuaria, Balcarce, Argentina. Received March 19, 1993.

PI 566799-continued

**donor id:** Hof 1714. **origin:** Argentina. **collector:** W. Hoffman. **collector id:** Hof 1714. **locality:** Iruya. Wild. Seed.

PI 566800. *Solanum toralapanum* Cardenas & Hawkes SOLANACEAE Potato

**Donated by:** Hoopes, R.W., Cornell University, Ithaca, New York, United States. Received March 19, 1993.

**donor id:** Hps S.N.. **origin:** Bolivia. **collector:** R.W. Hoopes. **collector id:** Hps S.N.. Wild. Seed.

PI 566801. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** Hoffman, W., Estacion Experimental Agropecuaria, Balcarce, Argentina. Received March 19, 1993.

**donor id:** Hof 1654. **origin:** Argentina. **collector:** W. Hoffman. **collector id:** Hof 1654. Wild. Seed.

PI 566802. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** Bamberg, J., Peninsula Exp. Sta., USDA-ARS, Sturgeon Bay, Wisconsin 54235, United States. Received March 19, 1993.

**donor id:** Kul S.N.. **origin:** Argentina. **collector:** Kuhlmann. **collector id:** Kul S.N.. Wild. Seed.

PI 566803 to 566804. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** Okada, K.A., Estacion Experimental Agropecuaria, Balcarce, Argentina. Received March 19, 1993.

PI 566803 **donor id:** Oka 4312. **origin:** Argentina. **collected:** March 16, 1972. **collector:** K.A. Okada. **collector id:** Oka 4312. **locality:** Sa Cienaga, 7km el oeste de Purmamarca or la rute prov. 16. **latitude:** 23 deg. 43 min.. **longitude:** 065 deg. 33 min.. Wild. Seed.

PI 566804 **donor id:** Oka 7643. **origin:** Argentina. **collected:** April 24, 1983. **collector:** K.A. Okada. **collector id:** Oka 7643. **locality:** Rosario de Lerma. Quebrada Munal, km 179 of route 5 near La Bomba. **latitude:** 24 deg. 19 min.. **longitude:** 066 deg. 07 min.. **elevation:** 3500m. **remarks:** Stoney slopes. Wild. Seed.

PI 566805. *Solanum tuquerrense* Hawkes SOLANACEAE Potato

**Donated by:** Coll. Central Colombiana Agra Pecuario, Bogota, Colombia. Received March 19, 1993.

**donor id:** CCC 1269. **origin:** Colombia. Wild. Seed.

PI 566806. *Solanum vernei* Bitter & Wittm. SOLANACEAE Potato

**Donated by:** Hawkes, J.G., University of Birmingham, Birmingham, England, United Kingdom. Received March 19, 1993.

**donor id:** Haw 6090. **origin:** Argentina. **collector:** J.G. Hawkes. **collector id:** Haw 6090. Wild. Seed.

PI 566807. *Solanum verrucosum* Schldl. SOLANACEAE Potato

**Donated by:** Tarn, R., Agriculture Canada, Fredericton, New Brunswick, Canada. Received March 19, 1993.

**donor id:** TRHRG 300. **origin:** Mexico. **collected:** November 08, 1982. **collector:** R. Tarn. **collector id:** TRHRG 300. Wild. Seed.

PI 566808 to 566811. *Capsicum annum* L. SOLANACEAE

**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 566808 **donor id:** 1205. **origin:** Mexico. **local name:** chile pasilla. **collected:** November 03, 1992. **collector:** D.E. Williams. **collector id:** 1205. **locality:** San Andres Cholula, Edo. de Puebla. **latitude:** 19 deg. 03 min. N. **longitude:** 098 deg. 18 min. W. **remarks:** Obtained from housewife. Cultivated. Seed.

PI 566809 **donor id:** 1206. **origin:** Mexico. **local name:** chile chilaca. **collected:** November 03, 1992. **collector:** D.E. Williams. **collector id:** 1206. **locality:** San Andres Cholula, Edo. de Puebla. **latitude:** 19 deg. 03 min. N. **longitude:** 098 deg. 18 min. W. **remarks:** Obtained from housewife. Cultivated. Seed.

PI 566810 **donor id:** 1207. **origin:** Mexico. **local name:** chile mulato. **collected:** November 03, 1992. **collector:** D.E. Williams. **collector id:** 1207. **locality:** San Andres Cholula, Edo. de Puebla. **latitude:** 19 deg. 03 min. N. **longitude:** 098 deg. 18 min. W. **remarks:** Obtained from housewife. Sun-dried version of the green "chile poblano.". Cultivated. Seed.

PI 566808 to 566811-continued

PI 566811 **donor id:** 1227. **origin:** Mexico. **local name:** chile criollo. **collected:** November 08, 1992. **collector:** D.E. Williams, S. Sanchez-Dominguez. **collector id:** 1227. **locality:** Chalcatzingo, Mpio. Jonacatepec, Edo. de Morelos. **latitude:** 18 deg. 41 min. N. **longitude:** 098 deg. 46 min. W. **elevation:** 1400m. **remarks:** Fruits deep red, conical, ca. 10-12cm long, piquant. Locally cultivated variety. Landrace. Seed.

PI 566812. *Capsicum frutescens* L. SOLANACEAE

**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.

**donor id:** 1242. **origin:** Mexico. **source history:** Originally purchased in market in Tuxtla Gutierrez, Chiapas. **local name:** chilito de Simojovel. **collected:** November 19, 1992. **collector:** D.E. Williams, S. Sanchez-Dominguez. **collector id:** 1242. **locality:** Texcoco, Mpio. Texcoco, Edo. de Mexico. **latitude:** 19 deg. 31 min. N. **longitude:** 098 deg. 53 min. W. **elevation:** 2242m. **remarks:** Fruits small, 1.0-2.0cm long, 0.5-1.0cm wide, conical or ovoid, red, piquant. Typical of village Simojovel, Chiapas. Obtained from housewife. Cultivated. Seed.

PI 566813. *Cucurbita argyrosperma* C. Huber CUCURBITACEAE

**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.

**donor id:** 1218. **origin:** Mexico. **local name:** calabaza de marrano. **collected:** November 06, 1992. **collector:** D.E. Williams, S. Sanchez-Dominguez. **collector id:** 1218. **locality:** Tezonteopan de Bonilla, Mpio. Huaquechula, Edo. de Puebla. **latitude:** 18 deg. 43 min. N. **longitude:** 098 deg. 31 min. W. **elevation:** 1650m. **remarks:** Fruit a squat sphere, 25cm in diam. Peduncle large, corky, spherical, and 4cm in diam. Pericarp light yellow with longitudinal orange and/or green stripes. Flesh firm, thick, and dark orange. Seeds 2.0cm long, narrow, and white. Flesh used as hog feed and to make candy. Seeds used in cooking. Landrace. Seed.

PI 566814. *Tagetes erecta* L. ASTERACEAE

**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.

**donor id:** 1208. **origin:** Mexico. **local name:** flor de muerto. **collected:** November 04, 1992. **collector:** D.E. Williams. **collector id:** 1208. **locality:** Field surrounding southern side of Great Pyramid, San Andres Cholula, Puebla. **latitude:** 19 deg. 03 min. N. **longitude:** 098 deg. 18 min. W. **elevation:** 2150m. **remarks:** Herb, 1m tall, with multiple flower heads. Flowers bright orange. Capitula sometimes double. Traditionally cultivated in region for All Saints' Day ceremonies. Landrace. Seed.

PI 566815 to 566816. *Triticum aestivum* L., nom. cons. POACEAE Common wheat

**Donated by:** Allan, R.E., USDA-ARS, Washington State University, 59 Johnson Hall, Pullman, Washington 99164-6420, United States. Received March 26, 1993.

- \* PI 566815 *Triticum compactum* Host POACEAE Common wheat  
**origin:** United States. **developed:** R.E. Allan. **origin institute:** USDA-ARS/Washington Agric. Exp. Station, Washington State University, Pullman, Washington 99164 United States. **origin institute id:** WA 7621. **pedigree:** VPM/MS 421//VH66354/WA5827/WA6241/3/Tres. **other id:** A8741. **other id:** A8826. **remarks:** 1 gene (Rht2) semidwarf, soft winter club. Awnless to awnletted compact spikes. Glumes white-buff. Kernels white. Yield potential averaged 6% > Tres in 41 regional tests. Heading med. early. Straw strength > Tres, coldhardiness < Hyak. High resist. to *P. herpotrichoides* having the Pchl gene. Mod. resist. to leaf rust, powdery mildew, dwarf bunt. Intermediate resist. to stem rust. Resistant to moderately susceptible to races of *P. striiformis*. Equal to Tres for cookie diam., cake volume, ash, viscosity, % protein. Inferior to Tres in flour yield, milling score & absorption. Winter Annual. Breeding Material. Seed.

PI 566815 to 566816-continued

PI 566816 **origin:** United States. **developed:** R.E. Allan. **origin institute:** USDA-ARS/Washington Agric. Exp. Station, Washington State University, Pullman, Washington 99164 United States. **origin institute id:** WA 7671. **pedigree:** VPM/MS 421//VH66354/WA5827/WA6241/3/2\*Hill 81. **other id:** A8934. **other id:** A9067. **remarks:** 1 gene semidwarf, soft winter common. Spikes awned, oblong. Heterogeneous for white & brown glumes. Kernels white. Yield equal to Stephens & 3% < Madsen. Midseason heading date. Straw strength equal to Madsen, > Nugaines. Plant ht. 10% > Stephens. Coldhardiness > Stephens but < Nugaines. High resist. to *P. herpotrichoides* having Pchl gene. Intermediate resist. to leaf rust, powdery mildew. Suscept. to stem rust. High field resist. to stripe rust. Quality equal Madsen in flour yield, milling score, absorption, viscosity. Superior to Madsen in cookie diam., cake volume, AWRC & softness. Winter Annual. Breeding Material. Seed.

PI 566817. *Dactylis glomerata* L. POACEAE Orchardgrass

**Donated by:** Kalton, R.R., Land O'Lakes, Inc., 1025 190th Street, Webster City, Iowa 50595, United States. **remarks:** DAWN ORCHARDGRASS. Received March 26, 1993.

**origin:** United States. **developed:** R.R. Kalton, P. Richardson. **origin institute:** Land O'Lakes, Inc., 1025 190th Street, Webster City, Iowa 50595 United States. **cultivar:** DAWN. **pedigree:** 8-parental clones stemmed from PI 315425 (3), 325302 (1), 315417 (1), and Jackson (3). Original selections made in 2,000 plant source nursery, then put into polycross nurseries. **other id:** Exp. No. DS7. **other id:** W6 11517. **group:** W6. **other id:** CV-13. **group:** CSR-ORCHARDGRASS. **restricted:** CSR. **remarks:** Maturity 3-4 days later than check varieties, Sterling, Hallmark, Benchmark & Potomac in Iowa, Missouri & Wisconsin. Up to 12-17 days later than checks and 5-7 days later than Pennlate in Willamette Valley of Oregon. Hardier than checks. Rust resistance greater than checks and Latar. Moderately resistant to *Scolecotrichum* leaf scotch. Digestibility 2-3% above Sterling and similar varieties in several traits. Seed yield similar to checks in Oregon trials. Perennial. Cultivar. Seed.



PI 566818. *Lotus corniculatus* L. FABACEAE Broadleaf birdsfoot trefoil

**Donated by:** Steiner, J.J., Agricultural Research Service -- USDA, Nat. Forage Seed Production Res. Center, Corvallis, Oregon 97331, United States; and Oregon, Idaho & Washington Agr. Exp. Sta.  
**remarks:** AG-S4 Broadleaf Birdsfoot Trefoil Germplasm. Received March 26, 1993.

**origin:** United States. **developed:** J.J. Steiner. **origin institute:** Agricultural Research Service -- USDA, Nat. Forage Seed Production Res. Center, 3450 SW Campus Way, Corvallis, Oregon 97331 United States. **cultivar:** AG-S4. **pedigree:** Single autogamous clone identified in broad-based genetically diverse, self incompatible MU-81. Developed by four cycles of selfing, equal seed number bulking and random selection. **other id:** GP-7. **source:** Crop Sci. 33(6):1424 1993. **group:** CSR-TREFOIL, BIRDSFO. **restricted:** CSR. **remarks:** Exhibits no inbreeding vigor depression when compared to MU-81. Prolific seed producer. Potential to substantially improve trefoil seed yields and when incorporated into high forage quality genetic lines should provide superior, high seed-yielding varieties. Perennial. Breeding Material. Seed.

PI 566819. *Sorghum bicolor* (L.) Moench POACEAE Della

**Donated by:** Harrison, R.L., Virginia Polytechnic Inst. & State Univ., Blacksburg, Virginia 24060, United States; and Texas Agr. Exp. Sta.. **remarks:** Della Sweet Sorghum. Received March 26, 1993.

**origin:** United States. **developed:** R.L. Harrison, F.R. Miller. **origin institute:** Virginia Polytechnic Inst. & State Univ., Blacksburg, Virginia 24060 United States. **cultivar:** DELLA. **pedigree:** ATx622/2\*Dale. **other id:** X-Sweet. **other id:** CV-130. **source:** Crop Sci. 33(6):1416 1993. **group:** CSR-SORGHUM. **restricted:** CSR. **remarks:** Sweet stalked sorghum, 2.4-3.3m tall. Maturity 7-10 days earlier than Dale. Panicle semi-open with black glumes which cover about 1/3 of the caryopsis. Caryopses small, round, 2.5-3.5mm in diameter with red pericarp and pigmented testa. Caryopses appear brown. Thresh free of glumes. Spring Annual. Cultivar. Seed.

PI 566820. *Apium graveolens* L. APIACEAE Celery

**Donated by:** Scully, B.T., Everglades Res. and Ed. Center, IFAS, University of Florida, Belle Grove, Florida 33430-8003, United States. Received April 06, 1993.

PI 566820-continued

**origin:** United States. **developed:** E.A. Wolf, J.M. White, R.S. Stubblefield, B. Scully. **origin institute:** Everglades Res. and Ed. Center, IFAS, University of Florida, Belle Grove, Florida 33430-8003 United States. **cultivar:** FLORIDA SLOBOLT M68. **pedigree:** June Belle/EES 1740-2. **remarks:** Medium-green Utah type adapted to Florida prod. period harvested April and early May. Vigorous mid-season cv. maturing in 80-90 days from transplanting and usually a few days earlier than June Belle and Florida 2-14. Ht. range 79-84cm with avg. ht& 82cm. Stalk conformation compact to slightly open. Stalk shape cylindrical to slightly flared. Heart formation similar to Summer Pascal but fuller. Heart leaves avg. 12.8cm/length, 4-8mm in cross-sectional thickness. Cultivar. Seed.

PI 566821. *Hordeum brevisubulatum* (Trin.) Link POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 29, 1992.

**origin:** Russian Federation. **collected:** August 14, 1988. **collector:** K.H. Asay, K.B. Jensen, M. Castler. **collector id:** AJC366. **other id:** W6 10578. **group:** W6. **locality:** Experimental farm in Cherga, Institute of Cytology and Genetics of the Siberian Branch of Academy of Science at Novosibirsk. Cultivated. Seed.

PI 566822. *Hordeum jubatum* L. POACEAE

**Donated by:** Jensen, K.B., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. **remarks:** Seed increased at USDA-ARS, Utah State University, Logan, Utah 84322-6300. Received January 30, 1992.

**origin:** Mexico. **source history:** Originally donated by Cathy Hsiao. **collected:** November 18, 1980. **collector:** D.R. Dewey. **collector id:** D-2728. **other id:** W6 10607. **group:** W6. **locality:** Near the Agricultural University Experimental Farm, Chapingo. **elevation:** 2250m. **remarks:** Seed increased: C-59-66--75. Wild. Seed.

PI 566823. *Triticum aestivum* L., nom. cons. POACEAE Wheat

**Donated by:** DePauw, R.M., Swift Current Res. Sta. -- Agric. Canada, Swift Current, Saskatchewan S9H 3X2, Canada; and Lethbridge Res. Sta. -- Agric. Canada. **remarks:** AC Taber. Received March 31, 1993.

PI 566823-continued

**origin:** Canada. **developed:** R.M. DePauw, R.E. Knox, T.N. McCaig, J.M. Clarke, J.G. McLeod. **origin institute:** Agriculture Canada, Box 1030, Swift Current, Saskatchewan S9H 3X2 Canada. **cultivar:** AC TABER. **pedigree:** HY320\*3/BW553. **other id:** HY380. **other id:** L8474-D2. **other id:** CV-790. **source:** Crop Sci. 34(1):305 1994. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Kernels red. Resembles Biggar but has improved resistance to prevalent races of leaf rust (*Puccinia recondita*) and common bunt (*Tilletia laevis* and *Tilletia caries*). Higher protein content, better milling quality and more gluten strength than Biggar. Spring Annual. Cultivar. Seed.

PI 566824. *Quercus macrocarpa* Michx. FAGACEAE

**Donated by:** Houck, M.J., USDA-SCS, Knox City Plant Materials Center, Route 1, Box 155, Knox City, Texas 79561, United States. Received May 11, 1993.

**origin:** United States. **cultivar:** Boomer. **collected:** 1972. **collector:** J.F. Sykora. **other id:** 9022859. **other id:** PMT-3061. **locality:** Along Boomer Creek near Clinton, Custer County. **remarks:** Moderate growth up to 60 feet. Long lived. Heavy spreading branches with conspicuous corky ridges after second year. Bark light gray. Deciduous leaves dark green with grayish green undersides, dense, large ranging in size from 6-12 inches long and 3-6 inches wide. Grows well in most soils. Performs exceptionally well in windbreaks with supplemental irrigation. Potential landscape plant for urban and recreation areas providing dense shade. Hardiness zone: Zone 5. Perennial. Cultivated. Plant.

PI 566825 to 566830. *Helianthus annuus* L. ASTERACEAE Sunflower

**Donated by:** Dedio, W., Morden Res. Sta.-- Agriculture Canada, Box 3001, Morden, MB, Manitoba R0G 1J0, Canada. **remarks:** CM 595, CM 628, CM 629, CM 630, CM 631 and CM 632 Sunflower Parental Lines. Received March 31, 1993.

PI 566825 to 566830-continued

- PI 566825 **origin:** Canada. **developed:** W. Dedio, K.Y. Rashid.  
**origin institute:** Morden Res. Sta. -- Agriculture Canada,  
Box 3001, Morden, MB, Manitoba ROG 1JO Canada.  
**cultivar:** CM 595. **pedigree:** Wild  
Hannuus/3\*Kras630//RComp/3\*CM469, F6. **other id:** PL-68.  
**source:** Crop Sci. 34(1):320 1994. **group:** CSR-SUNFLOWER.  
**restricted:** CSR. **remarks:** Maturity early. Lodging  
resistance good. Height medium. Combining ability good.  
Achenes 70-80mg. Color predominately black. Oil content  
lower than normal. Spring Annual. Breeding Material.  
Seed.
- PI 566826 **origin:** Canada. **developed:** W. Dedio, K.Y. Rashid.  
**origin institute:** Morden Res. Sta. -- Agriculture Canada,  
Box 3001, Morden, MB, Manitoba ROG 1JO Canada.  
**cultivar:** CM 628. **pedigree:** S6 selection from the  
Yugoslavian line NS 39. **other id:** PL-69. **source:** Crop  
Sci. 34(1):320 1994. **group:** CSR-SUNFLOWER. **restricted:**  
CSR. **remarks:** Maturity early. Height intermediate.  
Achenes small with pronounced white stripes. Oil (32%)  
intermediate between non oil and oil types. Spring  
Annual. Breeding Material. Seed.
- PI 566827 **origin:** Canada. **developed:** W. Dedio, K.Y. Rashid.  
**origin institute:** Morden Res. Sta. -- Agriculture Canada,  
Box 3001, Morden, MB, Manitoba ROG 1JO Canada.  
**cultivar:** CM 629. **pedigree:** S6 selection from the  
Yugoslavian line NS 39. **other id:** PL-70. **source:** Crop  
Sci. 34(1):320 1994. **group:** CSR-SUNFLOWER. **restricted:**  
CSR. **remarks:** Maturity early. Height intermediate.  
Achenes small with white striping at edges. Oil content  
36%. Spring Annual. Breeding Material. Seed.
- PI 566828 **origin:** Canada. **developed:** W. Dedio, K.Y. Rashid.  
**origin institute:** Morden Res. Sta. -- Agriculture Canada,  
Box 3001, Morden, MB, Manitoba ROG 1JO Canada.  
**cultivar:** CM 630. **pedigree:** Accession 1886/2\*CM623, F6.  
**other id:** PL-71. **source:** Crop Sci. 34(1):320 1994.  
**group:** CSR-SUNFLOWER. **restricted:** CSR. **remarks:**  
Fertility restorer line with recessive branching in a  
cytoplasmic male sterile background. Maturity early.  
Height medium. Achenes light tan stripes. Oil content and  
size average for an oiltype line. Resistant to downy  
mildew (*Plasmopara halstedii*) races 2, 3 and 4. Spring  
Annual. Breeding Material. Seed.

PI 566825 to 566830-continued

PI 566829 **origin:** Canada. **developed:** W. Dedio, K.Y. Rashid.  
**origin institute:** Morden Res. Sta. -- Agriculture Canada,  
Box 3001, Morden, MB, Manitoba ROG 1JO Canada.  
**cultivar:** CM 631. **pedigree:** Accession 1886/2\*CM623, F6.  
**other id:** PL-72. **source:** Crop Sci. 34(1):320 1994.  
**group:** CSR-SUNFLOWER. **restricted:** CSR. **remarks:**  
Fertility restorer line with recessive branching in a  
cytoplasmic male sterile background. Maturity early.  
Height medium. Petals orange-yellow. Achenes medium size  
with dark tan color. Oil content average. Resistant to  
downy mildew (*Plasmopara halstedii*) races 2, 3 and 4.  
Moderately resistant to rust (*Puccinia helianthi*) and  
Verticillium wilt (*Verticillium dahliae*). Spring Annual.  
Breeding Material. Seed.

PI 566830 **origin:** Canada. **developed:** W. Dedio, K.Y. Rashid.  
**origin institute:** Morden Res. Sta. -- Agriculture Canada,  
Box 3001, Morden, MB, Manitoba ROG 1JO Canada.  
**cultivar:** CM 632. **pedigree:** Hybrid 100/1445-3, F5.  
**other id:** PL-73. **source:** Crop Sci. 34(1):320 1994.  
**group:** CSR-SUNFLOWER. **restricted:** CSR. **remarks:**  
Fertility restorer line with recessive branching in a  
cytoplasmic male sterile background. Maturity medium.  
Height semi-dwarf. Achenes black with average oil content  
and size. Resistant to race 2 of downy mildew (*Plasmopora*  
*halstedii*). Spring Annual. Breeding Material. Seed.

PI 566831 to 566863. *Linum usitatissimum* L. LINACEAE Flax

**Donated by:** Miller, J.F., USDA-ARS, Northern Crop Science Lab, P.O.  
Box 5677, Fargo, North Dakota 58105, United States. Received March  
31, 1993.

PI 566831 **origin:** United States. **pedigree:** N707 CI2930/CI2929.  
**other id:** Cili 3281. **source:** FLAX. **group:** Cili. Spring  
Annual. Seed.

PI 566832 **origin:** United States. **pedigree:** 64 88 N710 U23/C14.  
**other id:** Cili 3282. **source:** FLAX. **group:** Cili. Spring  
Annual. Seed.

PI 566833 **origin:** United States. **pedigree:** 79 88 N711 U23/C14.  
**other id:** Cili 3283. **source:** FLAX. **group:** Cili. Spring  
Annual. Seed.

PI 566834 **origin:** United States. **pedigree:** 64 88 N716 S9/U23.  
**other id:** Cili 3284. **source:** FLAX. **group:** Cili. Spring  
Annual. Seed.

PI 566831 to 566863-continued

- PI 566835 **origin:** United States. **pedigree:** 77 88N719DUFFERIN/S9. **other id:** Cili 3285. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566836 **origin:** Argentina. **cultivar:** CHANA. **other id:** Cili 3286. **source:** FLAX. **group:** Cili. Spring Annual. Cultivar. Seed.
- PI 566837 **origin:** Romania. **cultivar:** OLAJOZON. **other id:** Cili 3290. **source:** FLAX. **group:** Cili. Spring Annual. Cultivar. Seed.
- PI 566838 **origin:** Romania. **cultivar:** MAROS. **other id:** Cili 3291. **source:** FLAX. **group:** Cili. Spring Annual. Cultivar. Seed.
- PI 566839 **origin:** United States. **pedigree:** SDT8907 VERNE SEL. **other id:** Cili 3294. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566840 **origin:** United States. **pedigree:** SDT8913 VERNE SEL. **other id:** Cili 3295. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566841 **origin:** United States. **cultivar:** VERNE 93 SDT8914. **other id:** Cili 3296. **source:** FLAX. **group:** Cili. Spring Annual. Cultivar. Seed.
- PI 566842 **origin:** United States. **pedigree:** SDT8920 RAHAB SEL. **other id:** Cili 3297. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566843 **origin:** United States. **pedigree:** SDT8922 RAHAB SEL. **other id:** Cili 3298. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566844 **origin:** United States. **pedigree:** SDT8923 RAHAB SEL. **other id:** Cili 3299. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566845 **origin:** United States. **pedigree:** N801 DUFFERIN/S9. **other id:** Cili 3300. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566846 **origin:** United States. **pedigree:** N802 FLOR/N24. **other id:** Cili 3301. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566847 **origin:** United States. **pedigree:** N822 N24/M23. **other id:** Cili 3302. **source:** FLAX. **group:** Cili. Spring Annual. Seed.

PI 566831 to 566863-continued

- PI 566848 **origin:** United States. **pedigree:** CI2932/DUFFERIN. **other id:** Cili 3303. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566849 **origin:** United States. **pedigree:** SDT9007. **other id:** Cili 3304. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566850 **origin:** United States. **pedigree:** SDT9008. **other id:** Cili 3305. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566851 **origin:** United States. **pedigree:** SDT9011. **other id:** Cili 3306. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566852 **origin:** United States. **pedigree:** SDT9012. **other id:** Cili 3307. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566853 **origin:** United States. **pedigree:** SDT9021. **other id:** Cili 3308. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566854 **origin:** Canada. **cultivar:** MCDUFF FP900. **other id:** Cili 3309. **source:** FLAX. **group:** Cili. Spring Annual. Cultivar. Seed.
- PI 566855 **origin:** Canada. **pedigree:** FP 905. **other id:** Cili 3310. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566856 **origin:** Canada. **pedigree:** FP 907. **other id:** Cili 3311. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566857 **origin:** United States. **pedigree:** SDT9107 CI3059/SD823. **other id:** Cili 3312. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566858 **origin:** United States. **pedigree:** SDT9108 PROMPT/NORM. **other id:** Cili 3313. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566859 **origin:** United States. **pedigree:** SD823010/CI 3059. **other id:** Cili 3314. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566860 **origin:** United States. **pedigree:** SDT9118 SD823010/CLA. **other id:** Cili 3315. **source:** FLAX. **group:** Cili. Spring Annual. Seed.

PI 566831 to 566863-continued

- PI 566861 **origin:** United States. **pedigree:** SDT9119 PROMPT/NORM. **other id:** Cili 3316. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566862 **origin:** Canada. **pedigree:** FP 921 NORLIN/FP752. **other id:** Cili 3317. **source:** FLAX. **group:** Cili. Spring Annual. Seed.
- PI 566863 **origin:** Canada. **pedigree:** FP 935 NORALTA/VIMY. **other id:** Cili 3318. **source:** FLAX. **group:** Cili. Spring Annual. Seed.

PI 566864 to 566868. *Medicago italica* (Miller) Fiori FABACEAE

**Donated by:** Seymour, P.N.D., Devonian Botanic Gardens, University of Alberta, Edmonton, Alberta T6G 2E1, Canada. **remarks:** Designations by K.A. Lesins, University of Alberta, Dept. of Plant Sciences, Canada. Received February 11, 1990.

- PI 566864 **donor id:** 1590. **origin:** Spain. **origin institute id:** CPI 134884. **collected:** 1963. **other id:** W6 4716. **group:** W6. **locality:** Cadiz, Chiclana. **received as:** *Medicago tornata*. Annual. Wild. Seed.
- PI 566865 **donor id:** 1909. **origin:** United States. **origin institute id:** CPI 134885. **source history:** Brandon Exp. Farm, Manitoba, Canada. **collected:** 1965. **other id:** W6 4719. **group:** W6. **received as:** *Medicago tornata*. Annual. Cultivated. Seed.
- PI 566866 **donor id:** 2145. **origin:** Italy. **origin institute id:** CPI 134886. **collected:** 1968. **collector:** K.A. Lesins. **other id:** W6 4726. **group:** W6. **locality:** Pantelleria Island. **received as:** *Medicago tornata*. Annual. Wild. Seed.
- PI 566867 **donor id:** 2792a. **origin:** Morocco. **origin institute id:** CPI 134887. **collected:** 1974. **other id:** W6 4733. **group:** W6. **locality:** To Souk-el-Arba-du Rharb, 82km to Rabat, 69km road to Lalla Mimouna. **remarks:** Tiny pods. **received as:** *Medicago tornata*. Annual. Wild. Seed.
- PI 566868 **donor id:** 563. **origin:** Sweden. **origin institute id:** CPI 134888. **other id:** W6 5955. **group:** W6. **locality:** Botanical garden. **received as:** *Medicago tornata*. Annual. Cultivated. Seed.



PI 566869. *Medicago lupulina* L. FABACEAE

**Donated by:** Seymour, P.N.D., Devonian Botanic Gardens, University of Alberta, Edmonton, Alberta T6G 2E1, Canada. **remarks:** Designations by K.A. Lesins, University of Alberta, Dept. of Plant Sciences, Canada. Received February 11, 1990.

**donor id:** 299. **origin:** Netherlands. **origin institute id:** CPI 134924. **collected:** 1959. **collector:** K.A. Lesins. **other id:** W6 4583. **group:** W6. **locality:** En route Kaldenkirchen, Holland. **Annual. Wild. Seed.**

PI 566870 to 566872. *Medicago orbicularis* (L.) Bartal. FABACEAE

**Donated by:** Seymour, P.N.D., Devonian Botanic Gardens, University of Alberta, Edmonton, Alberta T6G 2E1, Canada. **remarks:** Designations by K.A. Lesins, University of Alberta, Dept. of Plant Sciences, Canada. Received February 11, 1990.

PI 566870 **donor id:** 367. **origin:** Romania. **origin institute id:** CPI 134941. **other id:** W6 4599. **group:** W6. **locality:** Botanical Garden, Cleg. **Annual. Cultivated. Seed.**

PI 566871 **donor id:** 706. **origin:** Italy. **origin institute id:** CPI 134942. **collected:** 1962. **collector:** K.A. Lesins. **other id:** W6 4602. **group:** W6. **locality:** Itri, 126km south of Rome. **Annual. Wild. Seed.**

PI 566872 **donor id:** 797. **origin:** Italy. **origin institute id:** CPI 134943. **collected:** 1962. **collector:** K.A. Lesins. **other id:** W6 4605. **group:** W6. **locality:** Piana district Alhanesi. **Annual. Wild. Seed.**

PI 566873 to 566885. *Medicago polymorpha* L. FABACEAE

**Donated by:** Seymour, P.N.D., Devonian Botanic Gardens, University of Alberta, Edmonton, Alberta T6G 2E1, Canada. **remarks:** Designations by K.A. Lesins, University of Alberta, Dept. of Plant Sciences, Canada. Received February 11, 1990.

PI 566873 **donor id:** 1016. **origin:** Italy. **origin institute id:** CPI 134947. **collected:** 1963. **collector:** K.A. Lesins. **other id:** W6 4607. **group:** W6. **locality:** Airport, Milan. **Annual. Wild. Seed.**

PI 566874 **donor id:** 1238. **origin:** Greece. **origin institute id:** CPI 134948. **collected:** 1963. **collector:** K.A. Lesins. **other id:** W6 4608. **group:** W6. **locality:** 44km from Rhodes, high in mountain, pine woody. **Annual. Wild. Seed.**

PI 566873 to 566885-continued

- PI 566875 **donor id:** 1253. **origin:** Cyprus. **origin institute id:** CPI 134949. **collected:** 1963. **collector:** K.A. Lesins. **other id:** W6 4609. **group:** W6. **locality:** Before Kythrea. Annual. Wild. Seed.
- PI 566876 **donor id:** 1903. **origin:** United States. **origin institute id:** CPI 134950. **other id:** W6 4631. **group:** W6. **locality:** Bear Creek, 8 miles north. Annual. Wild. Seed.
- PI 566877 **donor id:** 2084. **origin:** Italy. **origin institute id:** CPI 134951. **collected:** 1968. **collector:** K.A. Lesins. **other id:** W6 4634. **group:** W6. **locality:** Agrigento. Annual. Wild. Seed.
- PI 566878 **donor id:** 2190. **origin:** Georgia. **origin institute id:** CPI 134952. **collector:** K.A. Lesins. **other id:** W6 4636. **group:** W6. **locality:** Botanical Garden, Tbilisi. Annual. Cultivated. Seed.
- PI 566879 **donor id:** 397. **origin:** Germany. **origin institute id:** CPI 134953. **collected:** 1959. **collector:** K.A. Lesins. **other id:** W6 4646. **group:** W6. **locality:** Botanical Garden, Freiburg. Annual. Cultivated. Seed.
- PI 566880 **donor id:** 416. **origin:** Belgium. **origin institute id:** CPI 134954. **other id:** W6 4651. **group:** W6. **locality:** Brussels. Annual. Wild. Seed.
- PI 566881 **donor id:** 1415. **origin:** Lebanon. **origin institute id:** CPI 134955. **collected:** 1963. **collector:** K.A. Lesins. **other id:** W6 5313. **group:** W6. **locality:** Ghazir. Annual. Wild. Seed.
- PI 566882 **donor id:** 1477. **origin:** Greece. **origin institute id:** CPI 134956. **collected:** 1963. **collector:** K.A. Lesins. **other id:** W6 5320. **group:** W6. **locality:** 6km west of Kavala. Annual. Wild. Seed.
- PI 566883 **donor id:** 1512. **origin:** France. **origin institute id:** CPI 134957. **collected:** 1963. **collector:** K.A. Lesins. **other id:** W6 5322. **group:** W6. **locality:** Cape Croisette, Nice. Annual. Wild. Seed.
- PI 566884 **donor id:** 2004. **origin:** Syria. **origin institute id:** CPI 134958. **other id:** W6 5358. **group:** W6. **locality:** University of Aleppo. Annual. Cultivated. Seed.
- PI 566885 **donor id:** 2700. **origin:** Morocco. **origin institute id:** CPI 134959. **collected:** 1974. **other id:** W6 5472. **group:** W6. **locality:** Hard soil under eucalyptus trees, 40km to Marrakesh. Annual. Wild. Seed.

PI 566886 to 566892. *Medicago truncatula* Gaertner FABACEAE

**Donated by:** Seymour, P.N.D., Devonian Botanic Gardens, University of Alberta, Edmonton, Alberta T6G 2E1, Canada. **remarks:** Designations by K.A. Lesins, University of Alberta, Dept. of Plant Sciences, Canada. Received February 11, 1990.

PI 566886 **donor id:** 1031. **origin:** Italy. **origin institute id:** CPI 135031. **collected:** 1963. **collector:** K.A. Lesins. **other id:** W6 4658. **group:** W6. **locality:** Algeri Airport. Annual. Wild. Seed.

PI 566887 **donor id:** 1138. **origin:** Greece. **origin institute id:** CPI 135032. **collected:** 1963. **collector:** K.A. Lesins. **other id:** W6 4661. **group:** W6. **locality:** From Kritsa to Nikolaos. Annual. Wild. Seed.

PI 566888 **donor id:** 2195b. **origin:** Australia. **origin institute id:** CPI 135033. **collector:** P. Simon. **other id:** W6 4679. **group:** W6. **locality:** Inst. Agric. Univ. West. Australia, Nedlands. **remarks:** With spines. Annual. Cultivated. Seed.

PI 566889 **donor id:** 665. **origin:** Turkey. **origin institute id:** CPI 135034. **collected:** 1962. **collector:** K.A. Lesins. **other id:** W6 4693. **group:** W6. **locality:** Gaziantep and Maras Province, 53km north of Gaziantep. Annual. Wild. Seed.

PI 566890 **donor id:** 940. **origin:** Greece. **origin institute id:** CPI 135035. **collected:** 1962. **collector:** K.A. Lesins. **other id:** W6 4694. **group:** W6. **locality:** Gaertn. Athens-Acropolis. Annual. Wild. Seed.

PI 566891 **donor id:** 1954. **origin:** Czechoslovakia. **origin institute id:** CPI 135036. **source history:** Brandon Exp. Farm, Manitoba, Canada. **other id:** W6 6003. **group:** W6. Annual. Cultivated. Seed.

PI 566892 **donor id:** 2310. **origin:** Spain. **origin institute id:** CPI 135037. **collected:** 1973. **collector:** K.A. Lesins. **other id:** W6 6038. **group:** W6. **locality:** Roadside, red soil with rock, 8km from Aguieme to St. Lucia, Gran Canaria. Annual. Wild. Seed.

PI 566893 to 566895. *Medicago turbinata* (L.) All. FABACEAE

**Donated by:** Seymour, P.N.D., Devonian Botanic Gardens, University of Alberta, Edmonton, Alberta T6G 2E1, Canada. **remarks:** Designations by K.A. Lesins, University of Alberta, Dept. of Plant Sciences, Canada. Received February 11, 1990.

PI 566893 to 566895-continued

PI 566893 **donor id:** 1412. **origin:** Lebanon. **origin institute id:** CPI 135040. **collected:** 1963. **collector:** K.A. Lesins. **other id:** W6 4702. **group:** W6. **locality:** Emfeh. **Annual.** Wild. Seed.

PI 566894 **donor id:** 1776. **origin:** Turkey. **origin institute id:** CPI 135041. **collected:** 1962. **collector:** K.A. Lesins. **other id:** W6 4703. **group:** W6. **locality:** Adana. **remarks:** Transfer to M. murex. **Annual.** Wild. Seed.

PI 566895 **donor id:** 1954. **origin:** Czechoslovakia. **origin institute id:** CPI 135042. **source history:** Brandon Exp. Farm, Manitoba, Canada. **collected:** 1962. **other id:** W6 4704. **group:** W6. **Annual.** Cultivated. Seed.

PI 566896. *Amaranthus cruentus* L. AMARANTHACEAE

**Donated by:** Rodale Research Center, Rodale Press, Box 323, Rt. 1, Kutztown, Pennsylvania 19530, United States. Received April 05, 1993.

**origin:** United States. **local name:** Komo. **collected:** 1979. **collector:** G. Nabhan. **collector id:** GN 1101. **other id:** RRC 80S-537. **source:** Rodale Research Center. **group:** NC7.donr.colr.ids. **other id:** Ames 2259. **source:** NC-7. **group:** Ames. **other id:** Ames 5319. **source:** NC-7. **group:** Ames. **locality:** Collected from escape plants at the Hopi indian village of Moenkopi, Arizona. **latitude:** 36 deg. 04 min. N. **longitude:** 111 deg. 12 min. W. **remarks:** Colorful red plants. Seeds black. Foliage and flowers of most plants dark red. Some plants green. The inflorescence is used as a dye coloring in traditional corn foods. **Annual.** Landrace. Seed.

PI 566897. *Amaranthus cruentus* L. AMARANTHACEAE

**Donated by:** Brenner, D., USDA-ARS, North Central Regional PI Station, Iowa State University, Ames, Iowa 50011, United States. Received November 19, 1991.

PI 566897-continued

**origin:** India. **source history:** Said to come from extreme southern India, near the coast, and to be just like plants growing wild there.. **collected:** September 22, 1991. **collector:** D. Brenner. **other id:** Kerala Red. **source:** D. Brenner. **other id:** Ames 18058. **source:** NC-7. **group:** Ames. **locality:** Cultivated as a vegetable in a backyard belonging to a family from India, at 1128 28th St., Ames, Iowa. **remarks:** Intense red coloring on stems, petioles, leaf blades and flowers. Late flowering plant. Stems thin and branched. Leaves lanceolate. Inflorescence has short branches. Seeds black. Plants were said to volunteer from a planting the previous year. A second collection of this accession was done on 10/19/91 for additional seed. The harvests were combined. Annual. Cultivated. Seed.

PI 566898. *Amaranthus hypochondriacus* L. AMARANTHACEAE

**Donated by:** Rodale Research Center, Rodale Press, Box 323, Rt. 1, Kutztown, Pennsylvania 19530, United States. Received April 05, 1993.

**donor id:** RRC 362. **origin:** Mexico. **source history:** Collected by Daniel Early of the Anthro. Dept., Central Oregon Community College, Bend, Oregon 97701 USA. **pedigree:** Bulk. **collected:** June 1977. **other id:** Ames 5131. **source:** NC-7. **group:** Ames. **locality:** Collected from Don Camilo Jimenez, a man with an Amaranth seed popping business in the town of Tuyehualco. He bought some of his seeds from other places. **latitude:** 19 deg. 15 min. N. **longitude:** 099 deg. 01 min. W. **elevation:** 2200m. **remarks:** Flower color mixed. Seeds white. The RRC class type is "mercado Mexican". Many selections were made from this accession (RRC 1010 to 1028 and RRC 1031 to 1033). Annual. Landrace. Seed.

PI 566899. *Amaranthus tricolor* L. AMARANTHACEAE

**Donated by:** Rodale Research Center, Rodale Press, Box 323, Rt. 1, Kutztown, Pennsylvania 19530, United States. Received April 05, 1993.

**donor id:** RRC 132. **origin:** India. **source history:** Released in 1976 from the College of Horticulture, Tamil Nadu Agric. Univ., Coimbatore-641 003, South India. It is described in Amaranth Newsletter, September 1989 (3):5-7.. **cultivar:** Co. 2. **other id:** Ames 2069. **source:** NC-7. **group:** Ames. **other id:** RRC 133. **source:** Rodale Research Center. **group:** NC7.donr.colr.ids. **other id:** RRC 78S-133. **source:** Rodale Research Center. **group:** NC7.donr.colr.ids. **other id:** RRC 78S-132. **source:** Rodale Research Center. **group:** NC7.donr.colr.ids. **locality:** Cimbatore. **remarks:** Seed black. Foliage and flowers green. Foliage used as a vegetable. Annual. Cultivar. Seed.

PI 566900 to 566901. *Beta patellaris* Moq. CHENOPODIACEAE

**Donated by:** Yu, R., U.S. Agric. Res. Station, P.O. Box 5098, Salinas, California 93915, United States; and Ryder, E.J., U.S. Agric. Res. Station, P.O. Box 5098, Salinas, California 93915, United States. **remarks:** Yu designated donor for NCRPIS Ryder designated donor for NSSL. Received August 20, 1985.

PI 566900 **donor id:** WB 74. **origin:** UNCERTAIN. **source history:** Provided by Dr. Helen Savitsky, source unknown.. **other id:** Ames 4532. **source:** NC-7. **group:** Ames. **remarks:** Lit. reference - Coons, G.H. 1954. The wild species of *Beta*. Am. Soc. Sugar Beet Technol. 8 (pt. 2):142-147. Seed.

PI 566901 **donor id:** WB 237. **origin:** UNCERTAIN. **source history:** Seed from Beltsville labeled *B. patellaris* (*Campanula* type) 1974 increase of 1951 seed obtained from Dr. G.H. Coons.. **other id:** Ames 4541. **source:** NC-7. **group:** Ames. Seed.

PI 566902. *Beta procumbens* C. Smith CHENOPODIACEAE

**Donated by:** Yu, R., U.S. Agric. Res. Station, P.O. Box 5098, Salinas, California 93915, United States; and Ryder, E.J., U.S. Agric. Res. Station, P.O. Box 5098, Salinas, California 93915, United States. **remarks:** Yu designated donor for NCRPIS Ryder designated donor for NSSL. Received August 20, 1985.

PI 566902-continued

**donor id:** WB 105. **origin:** UNCERTAIN. **source history:** WB 105 = Inc. SP69-3010-0(5), SP69-3010-0(5) = Conglomerate from south farm, Beltsville, 1951. Several *B. procumbens* sources involved.. **other id:** Ames 4536. **source:** NC-7. **group:** Ames. **remarks:** 2n = 18. From several sources increased at Beltsville in 1951. Increased at Salinas in 1981. Variation occurs in plant type. Lit. reference - Coons, G.H. 1954. The wild species of Beta. Proc. Am. Soc. Sugar Beet Technol. 8 (pt. 2):142-147. Seed.

PI 566903. *Beta trigyna* Waldst. & Kit. CHENOPODIACEAE

**Donated by:** Yu, R., U.S. Agric. Res. Station, P.O. Box 5098, Salinas, California 93915, United States; and Ryder, E.J., U.S. Agric. Res. Station, P.O. Box 5098, Salinas, California 93915, United States. **remarks:** Yu designated donor for NCRPIS Ryder designated donor for NSSL. Received August 20, 1985.

**donor id:** WB 8. **origin:** UNCERTAIN. **other id:** Ames 4527. **source:** NC-7. **group:** Ames. **other id:** SP68-3001-7. **source:** Beltsville, Maryland. **remarks:** *B. corolliflora* obtained from Beltsville. Chromosome number (2n) determined to be 36 by Dr. Helen Savitsky. Seed.

Scientific Name Cross Reference

<i>Acer rubrum</i>	566598	<i>Cuphea viscosissima</i>	566734
<i>Agropyron cristatum</i>	564853-	<i>Dactylis glomerata</i>	564902-
564854,564856-564881		564903,566817	
<i>Agropyron cristatum</i>		<i>Deschampsia</i> sp.	564904
subsp. <i>pectinatum</i>	564882-	<i>Diervilla lonicera</i>	564830
564884		<i>Elymus abolinii</i>	564905
<i>Agropyron desertorum</i>	564885-	<i>Elymus aristiglumis</i>	564906
564886		<i>Elymus canadensis</i>	564907-
<i>Agropyron fragile</i>	564887-	564908	
564892		<i>Elymus caninus</i>	564909-564915
<i>Alcea rosea</i>	564823	<i>Elymus ciliaris</i>	564916-564917
<i>Alcea rugosa</i>	564824	<i>Elymus confusus</i>	564918
<i>Althaea armeniaca</i>	564825	<i>Elymus dahuricus</i>	564919-564922
<i>Althaea cannabina</i>	564826	<i>Elymus dentatus</i> subsp. <i>ugamicus</i>	
<i>Amaranthus cruentus</i>	566896-	564923-564925	
566897		<i>Elymus drobovii</i>	564926
<i>Amaranthus hypochondriacus</i>		<i>Elymus fedtschenkoi</i>	564927-
566898		564929	
<i>Amaranthus tricolor</i>	566899	<i>Elymus fibrosus</i>	564930-564933
<i>Apium graveolens</i>	566820	<i>Elymus glaucissimus</i>	564934
<i>Arachis hypogaea</i>	564781-564783,	<i>Elymus glaucus</i>	564935
564844-564847,564855,565288,		<i>Elymus gmelinii</i>	564936
565433-565484		<i>Elymus hybrid</i>	564937-564938
<i>Arachis</i> sp.	565287	<i>Elymus komarovii</i>	564939
<i>Arrhenatherum elatius</i>	564692	<i>Elymus longearistatus</i>	564942-
<i>Avena nuda</i>	564722	564943	
<i>Avena sativa</i>	564723-564726	<i>Elymus macrochaetus</i>	564944-
<i>Beta patellaris</i>	566900-566901	564945	
<i>Beta procumbens</i>	566902	<i>Elymus mutabilis</i>	564946-564954
<i>Beta trigyna</i>	566903	<i>Elymus mutabilis</i>	
<i>Beta vulgaris</i>	564757-564759,	subsp. <i>praecaespitosus</i>	
565281-565286		564955	
<i>Brachypodium</i> sp.	564893-564896	<i>Elymus nutans</i>	564956
<i>Brassica napus</i>	565489	<i>Elymus parviglumis</i>	564957-
<i>Brassica oleracea</i> var. <i>botrytis</i>	564698	564958	
<i>Bromus inermis</i>	564897-564900	<i>Elymus pendulinus</i>	564959-
<i>Bromus</i> sp.	564901	564961	
<i>Callicarpa dichotoma</i>	564827	<i>Elymus schrenkianus</i>	564962-
<i>Capsicum annuum</i>	566808-566811	564963	
<i>Capsicum frutescens</i>	566812	<i>Elymus semicostatus</i>	564964
<i>Chrysanthemum coronarium</i>		<i>Elymus sibiricus</i>	564965
564828		<i>Elymus</i> sp.	564966-564976
<i>Cicer arietinum</i>	564774-564775,	<i>Elymus trachycaulus</i>	564977-
566599-566608		564991	
<i>Citrullus lanatus</i>	564715	<i>Elymus trachycaulus</i>	
<i>Cornus alba</i>	564829	subsp. <i>subsecundus</i>	564992-
<i>Cucurbita argyrosperma</i>	566813	564993	
<i>Cuphea calophylla</i>		<i>Elymus trachycaulus</i>	
var. <i>calophylla</i>	566694	subsp. <i>trachycaulus</i>	564994-
<i>Cuphea carthagenensis</i>	566695-	564995	
566726		<i>Elymus transhyrcanus</i>	564996
<i>Cuphea micrantha</i>	566727-566732	<i>Elymus tschimganicus</i>	564997-
<i>Cuphea racemosa</i>		564998	
subsp. <i>hirticaulis</i>	566733	<i>Elymus uralensis</i>	565000
		<i>Elytrigia alata</i>	565001



Elytrigia batalinii	565002	Medicago sativa subsp. sativa	565274-565280
Elytrigia caespitosa		Medicago sp.	564940-564941,
subsp. nodosa	565003		566591-566592
Elytrigia intermedia	565004	Medicago truncatula	566886-
Elytrigia repens	565005-565007		566892
Elytrigia sp.	565008-565012	Medicago turbinata	566893-
Festuca arundinacea	565089,		566895
565098, 565114, 565509		Nicotiana tabacum	564848
Festuca rubra	565013-565014	Oryza sativa	564784-564788,
Festuca sp.	565015-565018		565508, 566666-566667
Glycine max	564694, 564713-	Phacelia tanacetifolia	564710
564714, 564718, 564742, 564745,		Phalaris aquatica	564687
564849, 564999, 565091-565093,		Phaseolus vulgaris	564701-
565485, 565487-565488, 565510-			564703, 564739, 565115, 565507
565512		Pisum sativum	564693, 564695,
Gossypium hirsutum	564691,		564704-564706, 564744, 564746-
564708, 564740, 564767-564769,			564747, 564756, 565491-565506
565086, 565094-565095		Poa pratensis	564707
Gypsophila acutifolia	564832	Potentilla norvegica	564839
Gypsophila paniculata	564831,	Psathyrostachys juncea	565041-
564833			565074, 565076-565078, 565289
Helianthus annuus	565272-	Psathyrostachys sp.	565079-
565273, 566825-566830			565080
Hemerocallis fulva	565301	Pseudoroegneria strigosa	
Hordeum brevisubulatum	566821	subsp. aegilopoides	565082
Hordeum jubatum	566822	Quercus macrocarpa	566824
Hordeum vulgare subsp. vulgare		Raphanus sativus	564711-564712
564688, 564720-564721, 564728-		Rhodotypos scandens	564840
564737, 564743, 565513-566588		Scirpus californicus	565300
Ipomoea batatas var. batatas		Secale cereale	565085
564770-564773, 566609-566634,		Sinapis alba	564709
566636-566664		Solanum acaule	566735
Ipomoea carnea	566635	Solanum brachycarpum	566736
Lactuca sativa	565097, 566589-	Solanum brevidens	566737
566590		Solanum chacoense	566738-
Lens culinaris	564719, 565081		566746
Leymus ambiguus	565019	Solanum chomatophilum	566747
Leymus angustus	565020-565032	Solanum colombianum	566748-
Leymus cinereus	565033-565036		566750
Leymus racemosus	565037	Solanum commersonii	566751
Leymus salinus	565038	Solanum fernandezianum	566752-
Leymus sp.	565039-565040		566756
Linum usitatissimum	566831-	Solanum gourlayi	566757-566765
566863		Solanum infundibuliforme	566766-566770
Lolium perenne	565090, 565096,	Solanum kurtzianum	566771-
565490			566777
Lotus corniculatus	566818	Solanum megistacrolobum	566778-
Malva moschata	564834		566780
Malva neglecta	564836-564838	Solanum microdontum	565075
Malva sylvestris	564835	Solanum oplocense	566781-
Medicago italica	566864-566868		566784
Medicago lupulina	566869	Solanum orophilum	566785
Medicago orbicularis	566870-	Solanum phureja	566786
566872		Solanum sitiens	566787
Medicago polymorpha	566873-	Solanum sp.	566788-566791,
566885			
Medicago sativa	564686		

566793-566796

<i>Solanum spigazzinii</i>	566797
<i>Solanum sucrense</i>	566798
<i>Solanum tarijense</i>	566799
<i>Solanum toralapanum</i>	566800
<i>Solanum tuberosum</i>	566801-566804
<i>Solanum tuquerrense</i>	566805
<i>Solanum venturii</i>	566792
<i>Solanum vernei</i>	566806
<i>Solanum verrucosum</i>	566807
<i>Sorghum bicolor</i>	564776-564780, 565116-565177, 566819
<i>Spiraea alba</i>	564841
<i>Stipa</i> sp.	565083-565084
<i>Tagetes erecta</i>	566814
<i>Tanacetum corymbosum</i>	564842
<i>Trifolium pratense</i>	564689-564690
<i>Trifolium repens</i>	564699
<i>Triticum aestivum</i>	564700, 564761-564766, 564789-564822, 564850-564851, 565178-565207, 565209-565258, 565303-565333, 565335-565430, 566595-566596, 566668-566672, 566816, 566823
<i>Triticum compactum</i>	565431, 566594, 566815
<i>Triticum durum</i>	565208, 565259-565271, 565334
<i>Triticum polonicum</i>	566593
<i>Triticum turgidum</i>	565432
<i>Ulmus hybrid</i>	566597
<i>Vigna unguiculata</i>	564741
X <i>Triticosecale rimpai</i>	565486
X <i>Triticosecale</i> sp.	564727, 564738, 564760
<i>Zea mays</i> subsp. <i>mays</i>	564696-564697, 564716-564717, 564748-564755, 564852, 565087-565088, 565099-565113, 565290-565299, 566665
<i>Zea mays</i> subsp. <i>mexicana</i>	566673-566693
<i>Zinnia angustifolia</i>	564843
<i>Zizaniopsis miliacea</i>	565302

Common Name Cross Reference

Alfalfa	565274-565280	Sorghum	564776-564780,565116-565177
Annual teosinte	566673-566693	Soybean	564694,564713-564714,564718,564742,564745,564849,564999,565091-565093,565485,565487-565488,565510-565512
Barley	564688,564720-564721,564743,565513-566588	Sugarbeet	564757-564759,565281-565286
Broadleaf birdsfoot trefoil	566818	Sunflower	565272-565273,566825-566830
California bulrush	565300	Sweet potato	564770-564773,566609-566664
Cauliflower	564698	Tall fescue	565089,565098,565114,565509
Celery	566820	Tobacco	564848
Chickpea	564774-564775	Triticale	564727,564738,564760,565486
Club wheat	565431	Watermelon	564715
Common oat	564723-564726	Wheat	564850-564851,565178-565271,565303-565333,565335-565430,566593-566596,566668-566672,566823
Common wheat	564700,564789-564822,566815-566816	White clover	564699
Corn	564696-564697,564716-564717,564852,565099-565113,565290-565299,566665	Winter barley	564728-564737
Cotton	564691,564708,564740,564767-564769,565086,565094-565095	Winter wheat	564761-564766
Cowpea	564741		
Daylily	565301		
Della	566819		
Durum wheat	565334		
Field corn	564748-564755,565087-565088		
Flax	566831-566863		
Fodder radish	564711-564712		
Garden bean	564701-564703,564739,565115,565507		
Garden lettuce	566589-566590		
Garden pea	564704-564706,564744,564746-564747,564756,565491-565506		
Giant cutgrass	565302		
Kentucky bluegrass	564707		
Lettuce	565097		
Mustard	564709		
Naked oat	564722		
Orchardgrass	566817		
Pea	564693,564695		
Peanut	564781-564783,564844-564847,564855,565287-565288,565433-565437		
Perennial ryegrass	565090,565096,565490		
Phacelia	564710		
Potato	565075,566735-566807		
Rapeseed	565489		
Red clover	564689-564690		
Red maple	566598		
Rice	564784-564788,565508,566666-566667		
Russian wild ryegrass	565289		
Rye	565085		