Plant Inventory
No. 201, Part 2

Plant Materials Introduced
July 1 to December 31, 1992
(Nos. 561076 to 564685)
Plant Inventory No. 201 is a listing of plant materials introduced into the U.S. National Plant Germplasm System during calendar year 1992. The Inventory is divided into two parts that encompass PI numbers 559359 - 564685. This is not a listing of plant material for distribution.

Questions about data organization and proper plant identifications should be directed to the editor:

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ARS has no additional copies for free distribution.
PI 561076. Boissiera squarrosa (Banks & Sol.) Nevski  POACEAE

**Donated by:** Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. **remarks:** A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received January 1986.


PI 561077. Cuphea aspera Chapman  LYTHRACEAE

**Donated by:** Wallace, S.R., Bok Tower Gardens, P.O. Box 3810, Lake Wales, Florida 33859-3810, United States. Received March 15, 1990.


PI 561078. Cicer anatolicum Alef.  FABACEAE

**Donated by:** Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. **remarks:** A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received January 1986.
PI 561078-continued

**donor id:** TU85-070-01. **origin:** Turkey. **collected:** August 05, 1985. **collector:** C.R. Sperling, D. Eser, H.H. Gecit. **collector id:** TU85-070-01. **other id:** W6 9411. **group:** W6. **other id:** CS-13. **locality:** Nemrut Lake in volcanic crater among coppiced Populus trees, steep S facing slopes. South East corner of lake, Nemrut Dag, Bitlis Province. **latitude:** 38 deg. 36 min. N. **longitude:** 42 deg. 15 min. E. **elevation:** 2210-2250m. **remarks:** Plants common among rocks, perennial. Seeds, calyx red. Fruiting. Sperling Herbarium Voucher no. 6829. Wild. Seed.

PI 561079 to 561083. Cicer arietinum L. FABACEAE Chickpea

**Donated by:** Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. **remarks:** A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received January 1986.

**PI 561079** **donor id:** TU85-026-01. **origin:** Turkey. **collected:** July 18, 1985. **collector:** C.R. Sperling, D. Eser, H.H. Gecit. **collector id:** TU85-026-01. **other id:** W6 9405. **group:** W6. **other id:** CS-7. **locality:** Cultivated field, in flower and fruit, steep ravine bank, 2km from Durankaya (19km W of Hakkari on road to Beytussebap), Caylica village, Hakkari Province. **latitude:** 37 deg. 43 min. N. **longitude:** 43 deg. 38 min. E. **remarks:** Sperling Herbarium Voucher no. 6785. Cultivated. Seed.

**PI 561080** **donor id:** TU85-064-01. **origin:** Turkey. **collected:** August 03, 1985. **collector:** C.R. Sperling, D. Eser, H.H. Gecit. **collector id:** TU85-064-01. **other id:** W6 9406. **group:** W6. **other id:** CS-8. **locality:** On road to Karahasan, level ground between lava flows, Cultivated field of Cicer. Soil not stoney. 1.5km S of Malazgirt, Mus Province. **latitude:** 39 deg. 08 min. N. **longitude:** 42 deg. 32 min. E. **elevation:** 1550m. **remarks:** Poor stand. Flowers white. Some plants with mature seed. Sperling Herbarium Voucher no. 6821. Cultivated. Seed.
PI 561079 to 561083-continued

PI 561081  
**donor id:** TU85-071-01.  
**origin:** Turkey.  
**collected:** August 09, 1985.  
**collector:** C.R. Sperling, D. Eser, H.H. Gecit.  
**collector id:** TU85-071-01.  
**other id:** W6 9407.  
**group:** W6.  
**other id:** CS-9.  
**locality:** Roadside, level area between two small streams. Oak scrub on surrounding slopes. South of Bitlis, 4.0km, then 5.5km E just to the right on fork in road, Bitlis Province.  
**latitude:** 38 deg. 19 min. N.  
**longitude:** 42 deg. 07 min. E.  
**elevation:** 1500m.  

PI 561082  
**donor id:** TU85-085-01.  
**origin:** Turkey.  
**collected:** August 12, 1985.  
**collector:** C.R. Sperling, D. Eser, H.H. Gecit.  
**collector id:** TU85-085-01.  
**other id:** W6 9408.  
**group:** W6.  
**other id:** CS-10.  
**locality:** Cultivated field of Cicer, lots of Glycyrrhiza in field as a weed. South west slope overlooking village, 0.5km E of Dogantepe, Mus Province.  
**latitude:** 39 deg. 06 min. N.  
**longitude:** 41 deg. 57 min. E.  
**elevation:** 1410m.  
**remarks:** Sperling Herbarium Voucher no. 6856. Cultivated. Seed.

PI 561083  
**donor id:** TU85-017-02.  
**origin:** Turkey.  
**collected:** July 15, 1985.  
**collector:** C.R. Sperling, D. Eser, H.H. Gecit.  
**collector id:** TU85-017-02.  
**other id:** W6 9404.  
**group:** W6.  
**other id:** CS-6.  
**locality:** Cultivated field, open oak woods area, 15km E of Sirnak, Siirt Province.  
**latitude:** 37 deg. 29 min. N.  
**longitude:** 42 deg. 33 min. E.  
**remarks:** Cultivated chickpea. Collected from threshing pile before threshing. Sperling Herbarium Voucher no. 6762. Cultivated. Seed.

PI 561084. Cicer oxyodon Boiss. & Hohen. FABACEAE

**Donated by:** Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States.  
**remarks:** A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received January 1986.
PI 561084-continued


PI 561085 to 561086. Lathyrus sp. FABACEAE

Donated by: Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. remarks: A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received January 1986.


PI 561087. Lens culinaris Medikus  FABACEAE  Lentil

**Donated by:** Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service — USDA, National Germplasm Resources Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. **remarks:** A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received January 1986.


PI 561088 to 561090. Lolium sp.  POACEAE

**Donated by:** Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service — USDA, National Germplasm Resources Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. **remarks:** A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received January 1986.

PI 561088


PI 561089

PI 561088 to 561090-continued


PI 561091 to 561092. Taeniatherum caput-medusae subsp. asperum (Simonkai) Meld. POACEAE

Donated by: Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. remarks: A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received January 1986.


PI 561093 to 561095. Taeniatherum caput-medusae subsp. crinitum (Schreber) Meld. POACEAE

Donated by: Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. remarks: A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received January 1986.
PI 561093 to 561095-continued

PI 561093  
**donor id:** TU85-022-01. **origin:** Turkey. **collected:** July 17, 1985. **collector:** C.R. Sperling, D. Eser, H.H. Gecit. **collector id:** TU85-022-01. **other id:** W6 9434. **group:** W6. **other id:** CS-36. **locality:** Area of scrub oak on steep hillsides. Military checkpoint at Guzelkonak, 22km N of Semdinli, Hakkari Province. **latitude:** 37 deg. 25 min. N. **longitude:** 44 deg. 30 min. E. **elevation:** 1690m. **remarks:** Bare soil on SW slope adjacent to wheat field. Wild. Seed.

PI 561094  
**donor id:** TU85-028-03. **origin:** Turkey. **local name:** Tasilk. **collected:** July 19, 1985. **collector:** C.R. Sperling, D. Eser, H.H. Gecit. **collector id:** TU85-028-03. **other id:** W6 9435. **group:** W6. **other id:** CS-37. **locality:** Stoney slope above Zap River. Common at edges of field and bare soil of hillside, 5km S of jct road to Yuksekova, or 39km N of Hakkari, Hakkari Province. **latitude:** 37 deg. 53 min. N. **longitude:** 44 deg. 02 min. E. **elevation:** 1530m. Wild. Seed.

PI 561095  
**donor id:** TU85-051-07. **origin:** Turkey. **local name:** Toslick. **collected:** July 30, 1985. **collector:** C.R. Sperling, D. Eser, H.H. Gecit. **collector id:** TU85-051-07. **other id:** W6 9436. **group:** W6. **other id:** CS-38. **locality:** Steep grazed hills. Much bare, packed soil. On road to Tatvan from Van, 9km W of Van-Bitlis Province boundary, Bitlis Province. **latitude:** 38 deg. 23 min. N. **longitude:** 42 deg. 43 min. E. **elevation:** 1860m. **remarks:** Plants abundant in grazed areas. Wild. Seed.

PI 561096. Bolusanthus speciosus (Bolus) Harms  FABACEAE

**Donated by:** Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. **remarks:** A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received January 1986.
PI 561096-continued

*  
Boissiera squarrosa (Banks & Sol.) Nevski  POACEAE  
donor id: TU85-015-08.  origin: Turkey.  collected: July
collector id: TU85-015-08.  other id: W6 9401.  group:
W6.  other id: CS-3.  locality: Rocky limestone wheat
field, oak scrub region, 2km W of Eruh on S side of road,
Siirt Province.  latitude: 37 deg. 45 min. N.  longitude:
42 deg. 10 min. E.  elevation: 1100m.  remarks: Bare soil
areas at edge of field. Looks like a bushy Aegilops.
Wheat field planted in October/November, harvested July.
Wheat field hand sown.  received as: Bromus pumilio.
Wild.  Seed.

PI 561097 to 561098.  Vigna sp.  FABACEAE

Donated by: Ankara University, Ankara, Turkey; and Sperling, C.R.,
Agricultural Research Service -- USDA, National Germplasm Resources
Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland
20705-2350, United States.  remarks: A USDA sponsored collection in
cooperation with Oregon State University and IBPGR.  Received
January 1986.

* PI 561097  
Lathyrus sp.  FABACEAE  
donor id: TU85-020-04.  origin: Turkey.  collected: July
collector id: TU85-020-04.  other id: W6 9417.  group:
W6.  other id: CS-19.  locality: South slope wheat
fields, 4km S of Semdinli, Gunyazi village, Hakkari
Province.  latitude: 37 deg. 17 min. N.  longitude: 44
deg. 36 min. E.  elevation: 1430m.  remarks: Germplasm
from wheat threshing pile. Harvested with wheat. Most

* PI 561098  
Lathyrus sp.  FABACEAE  
donor id: TU85-021-03.  origin: Turkey.  collected: July
collector id: TU85-021-03.  other id: W6 9419.  group:
W6.  other id: CS-21.  locality: Steep limestone slope,
open scrub oak, rocky woods, Military checkpoint at Durak
village, 17km N of Semdinli, Hakkari Province.  latitude:
37 deg. 24 min. N.  longitude: 44 deg. 32 min. E.
elevation: 1630m.  remarks: Plants forming patches in
sunny places between oaks. Insects in greener seeds.
Sperling Herbarium Voucher no. 6777.  Wild.  Seed.
PI 561099. Elymus sp. POACEAE

Donated by: Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. remarks: A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received January 1986.


PI 561100 to 561102. Cicer arietinum L. FABACEAE Chickpea

Donated by: Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Services Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. remarks: A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received October 15, 1989.


PI 561103. Cicer oxyodon Boiss. & Hohen. FABACEAE

Donated by: Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Services Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. remarks: A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received October 15, 1989.


PI 561104. Elymus sp. POACEAE

Donated by: Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Services Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. remarks: A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received October 15, 1989.


PI 561105. Lens culinaris Medikus FABACEAE

Donated by: Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Services Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. remarks: A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received October 15, 1989.
PI 561105-continued

**donor id:** TU86-16-07. **origin:** Turkey. **collected:** July 09, 1986. **collector:** C.R. Sperling, D. Eser, H.H. Gecit. **collector id:** TU86-16-07. **other id:** W6 9447. **group:** W6. **other id:** CS-49. **locality:** Area of some scattered oak scrub and shallow agricultural valleys of reddish soils, 22.5km W of Pervari on Pervari-Siirt road, Ekinduzu village, Siirt Province. **latitude:** 37 deg. 56 min. N. **longitude:** 42 deg. 21 min. E. **elevation:** 1450m. **remarks:** Collected from farmer's storage. Cultivated. Seed.

PI 561106 to 561107. Onobrychis viciifolia Scop. FABACEAE

**Donated by:** Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Services Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. **remarks:** A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received October 15, 1989.

PI 561106 **donor id:** TU86-43-03. **origin:** Turkey. **collected:** July 19, 1986. **collector:** C.R. Sperling, D. Eser, H.H. Gecit. **collector id:** TU86-43-03. **other id:** W6 9429. **group:** W6. **other id:** CS-31. **locality:** Grazed E facing slope above Zap River, scattered Ziziphus/Pistacia, 10km S of junction to Yukseko on Hakkari-Van road, Hakkari Province. **latitude:** 37 deg. 42 min. N. **longitude:** 43 deg. 58 min. E. **elevation:** 1450m. **remarks:** Field apparently harvested for seed crop. **received as:** Onobrychus sativa. Cultivated. Seed.

PI 561107 **donor id:** TU86-45-01. **origin:** Turkey. **collected:** July 19, 1986. **collector:** C.R. Sperling, D. Eser, H.H. Gecit. **collector id:** TU86-45-01. **other id:** W6 9430. **group:** W6. **other id:** CS-32. **locality:** Level ground with fine silty soil. Wild and semi-domesticated legume meadow along stream, 8km S of Guzelsu (Hosap) on Van-Hakkari road, Van Province. **latitude:** 38 deg. 17 min. N. **longitude:** 43 deg. 51 min. E. **elevation:** 2000m. **remarks:** Perennial, appearing semi-wild. Flowers pink. Abundant. Medicago sativa, Trifolium (red and white-flowered), Lotus corniculatus, Onobrychis sativa, Hordeum violaceum, and Astragalus sp. present. Sperling Herbarium Voucher no. 6886. Wild. Seed.
PI 561108 to 561110. Taeniatherum caput-medusae subsp. crinitum (Schreber) Meld. POACEAE

Donated by: Ankara University, Ankara, Turkey; and Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Services Lab., Rm. 329, Bldg. 001, BARC-West, Beltsville, Maryland 20705-2350, United States. remarks: A USDA sponsored collection in cooperation with Oregon State University and IBPGR. Received October 15, 1989.


PI 561111. Trifolium reflexum L. FABACEAE

Donated by: Pederson, G.A., Agricultural Research Service -- USDA, Crop Science Research Lab, P.O. Box 5367, Mississippi State, Mississippi 39762-5367, United States. Received June 11, 1991.
PI 561111-continued

origin: United States. cultivar: MS-RF1. collected: July 08, 1991. locality: Talking Warrior Unit of the John W. Starr Memorial Forest, Highway 25, 6 miles south of Starkville, Oktibbeha County. remarks: Bulked from a random sample of approx. 200 plants. Flower color variation 5% red, 50% pink, and 45% white. Red-flowered plants shorter, less vigorous, and fewer flowers than white and pink-flowered plants. Wild. Seed.

PI 561112 to 561120. Cucurbita okeechobeensis (Small) L. Bailey CUCURBITACEAE Okeechobee gourd

Donated by: Walters, T., Fairchild Tropical Garden, 11935 Old Cutler Road, Miami, Florida 33156, United States. Received June 11, 1991.


PI 561121. Vigna radiata (L.) R. Wilczek var. radiata FABACEAE Mung bean

PI 561121-continued


PI 561122. Citrullus lanatus (Thunb.) Matsum. & Nakai CUCURBITACEAE
Watermelon

Donated by: Liu, C.T., Idaho Agr. Exp. Sta., University of Idaho,
Moscow, Idaho 83843, United States. Received June 11, 1991.

collector: C.T. Liu. locality: Heng Shui. remarks:
Diameter 8-10 inches. Wild. Seed.

PI 561123. Ipomoea batatas (L.) Lam. CONVOLVULACEAE


* Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
donor id: 224. origin: Puerto Rico. cultivar: COBRE.
collected: August 1979. other id: Q 21768. other id:
C3122. Cultivar. Cutting.

PI 561124 to 561125. Chloris virgata Sw. POACEAE

Donated by: Johnson, D.A., Agricultural Research Service -- USDA,
Forage and Range Research, Utah State University, Logan, Utah
84322-6300, United States; and Rumbaugh, M.D., Agricultural Research
Service -- USDA, Forage and Range Research, Utah State University,
Logan, Utah 84322-6300, United States. Received June 11, 1991.

PI 561124 origin: China. collected: August 26, 1991. collector:
D.A. Johnson, M.D. Rumbaugh. other id: W6 9546. group:
W6. other id: X910021. locality: Growing along field
margin, 18km W of Kashgar, Zamin Village, Shufu County.
latitude: 39 deg. 23 min. N. longitude: 075 deg. 51 min.
E. elevation: 1300m. remarks: Not a preferred forage
species. Wild. Seed.

collector: D.A. Johnson, M.D. Rumbaugh. other id: W6
9547. group: W6. other id: X910059. locality: Growing
in ditch along highway, very dry area probably less than
50mm rainfall, 100km NE of Kashgar. latitude: 39 deg. 50
min. N. longitude: 077 deg. 00 min. E. elevation:
1219m. Wild. Seed.
PI 561126. Digitaria sanguinalis (L.) Scop. POACEAE

**Donated by:** Johnson, D.A., Agricultural Research Service -- USDA, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States; and Rumbaugh, M.D., Agricultural Research Service -- USDA, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received June 11, 1991.


PI 561127. Ornithopus compressus L. FABACEAE

**Donated by:** Kaiser, W.J., Agricultural Research Service -- USDA, Western Reg. PI Station, 59 Johnson Hall, Pullman, Washington 99164-6402, United States. Received June 11, 1991.


PI 561128. Trifolium sp. FABACEAE

**Donated by:** Kaiser, W.J., Agricultural Research Service -- USDA, Western Reg. PI Station, 59 Johnson Hall, Pullman, Washington 99164-6402, United States. Received June 11, 1991.


PI 561129 to 561132. Cucurbita argyrosperma C. Huber CUCURBITACEAE

**Donated by:** Wilson, H.D., Texas A&M University, Department of Biology, College Station, Texas 77843-3258, United States. Received June 11, 1991.

PI 561130  donor id: 347.  origin: Mexico.  local name: Tamala.  
collector id: 347.  locality: From fruit pile on road to Zactepec Mixes, 9km E of Mitla.  
elevation: 1885m.  remarks: Grown with C. pepo (346) and C. moschata (348).  
Flesh yellow green, blackish green near seeds.  Cultivated.  Seed.

PI 561131  donor id: 337.  origin: Mexico.  local name: Chomba or Chompa.  
collector id: 337.  locality: Store on 20 de Noviembre near square.  
Seeds supposedly from locally grown squash.  elevation: 1550m.  
 Cultivated.  Seed.

PI 561132  donor id: 349.  origin: Mexico.  local name: Chompa.  
collector id: 349.  locality: From fruit pile on road to Zactepec Mixes, 9km E of Mitla.  
elevation: 1885m.  remarks: Grown with C. pepo (346).  Fruit elongate.  
Flesh pale green, brown near seeds.  Cultivated.  Seed.

PI 561133 to 561136.  Cucurbita moschata (Duchesne) Poiret  
CUCURBITACEAE

Donated by: Wilson, H.D., Texas A&M University, Department of  
Biology, College Station, Texas  77843-3258, United States.  
Received June 11, 1991.

PI 561133  donor id: 333.  origin: Mexico.  local name: Tamala.  
collector id: 333.  locality: Market (Mercado "Benito Juarez").  
elevation: 1550m.  Cultivated.  Seed.

PI 561134  donor id: 328-2.  origin: Mexico.  local name: Tamalayota.  
collected: December 17, 1984.  collector: Decker, Wilson, Bye.  
collector id: 328-2.  locality: From local garden, 22km SE of Tehuacan on H. 150, 
Ajalpan.  elevation: 1125m.  remarks: Flesh deep yellow, mustard green in center.  
 Cultivated.  Seed.

PI 561135  donor id: 328-1.  origin: Mexico.  local name: Tamalayota.  
collected: December 17, 1984.  collector: Decker, Wilson, Bye.  
collector id: 328-1.  locality: From local garden, 22km SE of Tehuacan on H. 150, 
Ajalpan.  elevation: 1125m.  remarks: Flesh deep yellow, orange in center.  
 Cultivated.  Seed.
PI 561136  
donor id: 326.  
origin: Mexico.  
local name: Chata, Chinchia, Chinche (smaller variety).  
collector: Decker, Wilson, Bye.  
collector id: 326.  
locality: Seed store (El Trebol) across from market, Tehuacan.  
elevation: 1550m.  
Cultivated.  
Seed.

PI 561137.  
Zornia sp.  
FABACEAE

Donated by:  
Fay, J.M., Missouri Botanic Garden, P.O. Box 299, St. Louis, Missouri 63166-0299, United States.  
remarks: Received through IBPGR Mission to the Central African Republic, October-November 1989 in cooperation with Ministere des Eaux, Chases, Peche et Forets Bangui, B.P. 830.  
received June 11, 1991.

donor id: 9137.  
origin: Central African Republic.  
collected: November 11, 1989.  
collector: J.M. Fay, D. Harris.  
collector id: 9137.  
locality: Clay soil in old gravel pit, woodland area, 40km E of Ippy, Cuaka Province.  
latitude: 06 deg. 10 min. N.  
longitude: 021 deg. 50 min. E.  
elevation: 560m.  
remarks: Random sampling of 30 plants/100 sq. meter area.  
Wild.  
Seed.

PI 561138.  
Citrullus lanatus (Thunb.) Matsum. & Nakai  
CUCURBITACEAE  
Watermelon

Donated by:  
Whittemore, A.T., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States.  
received June 11, 1991.

donor id: 11.  
origin: Kazakhstan.  
collector: A.T. Whittemore.  
collector id: 11.  
locality: Government store, Alma Ata.  
Cultivated.  
Seed.

PI 561139 to 561140.  
Solanum melongena L.  
SOLANACEAE

Donated by:  
Whittemore, A.T., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States.  
received June 11, 1991.

PI 561139  
donor id: 37.  
origin: Kazakhstan.  
collector: A.T. Whittemore.  
collector id: 37.  
locality: Government store, Alma Ata.  
Cultivated.  
Seed.

PI 561140  
donor id: 36.  
origin: Kazakhstan.  
collector: A.T. Whittemore.  
collector id: 36.  
locality: Government store, Alma Ata.  
Cultivated.  
Seed.
PI 561141. Trifolium arvense L. FABACEAE

Donated by: Whittemore, A.T., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States. Received June 11, 1991.


PI 561142. Lespedeza bicolor Turcz. FABACEAE

Donated by: Hu, P., Department of Animal Science, Beijing Agricultural University, Beijing, China. Received June 11, 1991.


PI 561143. Lespedeza daurica (Laxm.) Schindler FABACEAE

Donated by: Hu, P., Department of Animal Science, Beijing Agricultural University, Beijing, China. Received June 11, 1991.


PI 561144. Cucumis sativus L. CUCURBITACEAE

Donated by: Northrup King & Co., 1500 Jackson N.E., Minneapolis, Minnesota 55413, United States. Received 1966.

origin: UNKNOWN. cultivar: POINSETT. Seed.

PI 561145. Cucumis sativus L. CUCURBITACEAE


origin: UNKNOWN. cultivar: MARKETMORE. Seed.

PI 561146 to 561147. Cucumis sativus L. CUCURBITACEAE


PI 561146 origin: United States. cultivar: MARKETMORE 70. Seed.
PI 561147 origin: United States. cultivar: SPARTAN SALAD. Seed.
PI 561148. *Cucumis sativus* L. CUCURBITACEAE

**Donated by:** Munger, H. M., Dept. of Plant Breeding, Cornell University, Ithaca, New York 14853, United States. Received 1980.

**origin:** UNKNOWN. **cultivar:** MARKETMORE 76. Seed.

PI 561149. *Buchloe dactyloides* (Nutt.) Engelm. POACEAE Buffalograss

**Donated by:** Riordan, T.P., Nebraska Agr. Exp. Sta., University of Nebraska - Lincoln, Lincoln, Nebraska 68583-0724, United States; and United States Golf Association. **remarks:** 609 Buffalograss. Received May 04, 1992.

**origin:** United States. **developed:** T.P. Riordan, S.A. de Shazer, F.P. Baxendale, M.C. Engelke. **origin institute:** Nebraska Agr. Exp. Sta., University of Nebraska - Lincoln, Lincoln, Nebraska 68583-0724 United States. **cultivar:** 609. **pedigree:** Selection from progeny of Soil Conservation Service selection 1321.1. **other id:** CV-151. **source:** Crop Sci. 32(6):1511 1992. **group:** CSR-OTHER GRASSES. **other id:** NE 84-609. **restricted:** CSR. **remarks:** Fine texture, excellent color, low growth habit and an ability to stay greener later into the fall than most other warm-season buffalograss. Very drought tolerant. Resistant to most insect and disease pests. Requires less fertilizer (5-10g N/M2 growing season), less mowing, less water and less pesticides than both cool and warm-season turfgrasses currently in use. Single, female sel. produced vegetatively by sod, plugs or sprigs. Does not produce pollen or viable seed, genetically stable. Water use rate is less than other commonly cultivated turfgrass species. Perennial. Cultivar. Plant.

PI 561150. *Gaultheria adenothrix* (Miq.) Maxim. ERICACEAE Salal

**Donated by:** Shimura, Isao, Tokyo University of Ag. & Technology, Faculty of Agriculture, Fuchu, Tokyo, Japan. Received April 08, 1983.

**origin:** Japan. **source history:** Seedlot collected wild by Shimura and received at NCGR- Corvallis I. Shimura, Tokyo University, Japan. **pedigree:** Collected from the wild in Japan. **collector:** I. Shimura. **locality:** Mt. Shirane, Nagano Prefecture. **latitude:** 36 deg. 15 min. N. **longitude:** 138 deg. W. Perennial. Wild. Seed.
PI 561151 to 561152. Gaultheria hispidula (L.) Muhlenb. ERICACEAE Salal

**Donated by:** Hummer, K.E., USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received October 01, 1990.

**PI 561151**
- **origin:** United States.
- **source history:** Collected wild by Hummer and received at NCG-Corvallis Dr. Kim E. Hummer, Curator/Research Leader, NCG-Corvallis.
- **pedigree:** Collected from the wild in New Hampshire. **collected:** September 1990.
- **collector:** K.E. Hummer.
- **locality:** Dixville Notch, rock ledges both sides of road thru notch. **latitude:** 44 deg. 25 min. N. **longitude:** 71 deg. 17 min. W.
- **remarks:** Type with small ovoid leaves, no fruits found. Assoc. F. virginiana, sphagnum, Rubus. Perennial. Wild. Plant.

**PI 561152**
- **origin:** United States.
- **source history:** Collected wild by Hummer and received at NCG-Corvallis Dr. Kim E. Hummer, Curator/Research Leader, NCG-Corvallis.
- **pedigree:** Collected from the wild in Vermont. **collected:** September 1990.
- **collector:** K.E. Hummer.
- **locality:** Franklin Natural Area of the Nature Conservancy, Rt. 120.
- **latitude:** 44 deg. 55 min. N. **longitude:** 72 deg. 55 min. W.
- **elevation:** 125m.
- **remarks:** This plant looks strongly like that found at Dixville Notch (CGAU 18) in NH at equivalent latitude. Perennial. Wild. Plant.

PI 561153. Gaultheria humifusa (Graham) Rydb. ERICACEAE Salal

**Donated by:** Ballington, J.R., North Carolina State University, Dept. Horticulture, Raleigh, North Carolina, United States. Received August 07, 1985.

- **origin:** United States.
- **source history:** Seedlot collected wild by Ballington and Luby and received at NCG-Corvallis. J.Ballington, North Carolina State University, Raleigh. **pedigree:** Collected from the wild in Oregon. **local name:** Oregon Wintergreen. **collected:** July 27, 1985.
- **collector:** Ballington and Luby.
- **locality:** Winema Nat'l Forest along roadsides in cutover area, boggy. **latitude:** 42 deg. 30 min. N. **longitude:** 122 deg. W. **elevation:** 1810m.
- **remarks:** Red-fruited, ground-cover type. Perennial. Wild. Seed.

PI 561154. Gaultheria humifusa (Graham) Rydb. ERICACEAE Salal

**Donated by:** Berry Botanic Gardens, Portland, Oregon, United States. Received January 14, 1988.
PI 561154-continued


PI 561155. Gaultheria miqueliana Takeda ERICACEAE Salal

Donated by: Shimura, Isao, Tokyo University of Ag. & Technology, Faculty of Agriculture, Fuchu, Tokyo, Japan. Received April 08, 1983.


PI 561156 to 561157. Gaultheria ovatifolia A. Gray ERICACEAE Salal


PI 561158. Gaultheria ovatifolia A. Gray ERICACEAE Salal


PI 561159. Gaultheria ovatifolia A. Gray ERICACEAE Salal

Donated by: Berry Botanic Gardens, Portland, Oregon, United States. Received January 04, 1990.


PI 561160. Gaultheria phillyreifolia (Pers.) Sleumer ERICACEAE Salal

Donated by: Cameron, Scott, Washington State University, SW Washington Research Station, Vancouver, Washington, United States. Received February 25, 1992.


PI 561161. Gaultheria phillyreifolia (Pers.) Sleumer ERICACEAE Salal

Donated by: Cameron, Scott, Washington State University, SW Washington Research Station, Vancouver, Washington, United States. Received February 25, 1992.
PI 561161-continued


PI 561162. Gaultheria procumbens L. ERICACEAE Salal

Donated by: Rombough, Lon, Aurora, Oregon, United States. Received December 18, 1989.

origin: United States. developed: E.M. Meader. source history: Plants received from Meader to Lon Rombough to NCGR- Corvallis. Original seedlot collected by Meader Lon J. Rombough, NCGR-Corvallis. pedigree: Seedling selection from seed collected wild in NH. remarks: This selection should be heavy bearer w/large fruit. Perennial. Breeding Material. Plant.

PI 561163 to 561164. Gaultheria shallon Pursh ERICACEAE Salal

Donated by: Westwood, M.N., USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 08, 1983.


PI 561165. Gaultheria shallon Pursh ERICACEAE Salal

**Donated by:** Ballington, J.R., North Carolina State University, Dept. Horticulture, Raleigh, North Carolina, United States. Received August 10, 1985.

**origin:** United States. **source history:** Seedlot collected wild by Ballington and Luby and received at NCGR-Corvallis J. Ballington, North Carolina State Univ., Raleigh. **pedigree:** Collected from the wild in Washington. **collected:** August 08, 1985. **collector:** Ballington and Luby. **locality:** Olympic National Forest, along roadside. **latitude:** 48 deg. N. **longitude:** 124 deg. W. **elevation:** 400m. **remarks:** Population collection. Perennial. Wild. Seed.

PI 561166. Gaultheria shallon Pursh ERICACEAE Salal

**Donated by:** Ballington, J.R., North Carolina State University, Dept. Horticulture, Raleigh, North Carolina, United States. Received August 21, 1985.

**origin:** United States. **source history:** Seedlot collected wild by Ballington and Luby and received at NCGR-Corvallis J. Ballington, North Carolina State University, Raleigh. **pedigree:** Collected from the wild in Washington. **collector:** Ballington and Luby. **locality:** Olympic Nat'l Forest, Falls View Campground. **latitude:** 48 deg. N. **longitude:** 124 deg. W. **elevation:** 120m. **remarks:** Population sample. Perennial. Wild. Seed.

PI 561167. Gaultheria shallon Pursh ERICACEAE Salal

**Donated by:** Pirzio-Biroli, Jan, Washington Park Arboretum, Seattle, Washington, United States. Received May 03, 1989.

**origin:** United States. **source history:** Seed collected wild to Washington Park Arboretum and received at NCGR-Corvallis Dr. Jan Pirzio-Biroli, Washington Park Arboretum, Seattle. **pedigree:** Collected from the wild in Washington. **locality:** Island County, Whidbey Island, WA. **latitude:** 47 deg. 30 min. N. **longitude:** 122 deg. 30 min. W. **elevation:** 30m. **remarks:** Perennial. Wild. Seed.

PI 561168. Gaultheria sp. ERICACEAE Salal

**Donated by:** Jahn, Otto, USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received April 08, 1983.
PI 561168-continued


PI 561169. Eriobotrya deflexa (Hemsley) Nakai ROSACEAE Loquat

Donated by: Tsai, Dr., Taiwan National University, Meifeng Farm, Taipei, Taiwan. Received April 08, 1983.

origin: Taiwan. source history: Seedlot collected wild by Tsai and recieved at NCGR-Corvallis Dr. Tsai, Taiwan National University, Taipei. pedigree: Collected from the wild in Taiwan. collected: November 1981. collector: Dr. Tsai. latitude: 24 deg. N. longitude: 121 deg. E. elevation: 2000m. Perennial. Wild. Seed.

PI 561170. Eriobotrya japonica (Thunb.) Lindley ROSACEAE Loquat

Donated by: Johnson, Marie, Ontario, California, United States. Received June 09, 1983.


PI 561171 to 561177. Eriobotrya japonica (Thunb.) Lindley ROSACEAE Loquat


PI 561172  
**origin:** United States.  **source history:** Received from Pacific Tree Farms to NCGR-Corvallis W.L. Nelson, Pacific Tree Farms, Chula Vista, California.  **cultivar:** Champagne.  **remarks:** No additional information provided upon receipt.  Perennial.  Cultivar.  Plant.

PI 561173  
**origin:** United States.  **source history:** Received from Pacific Tree Farms to NCGR-Corvallis W.L. Nelson, Pacific Tree Farms, Chula Vista, California.  **cultivar:** Gold Nugget.  **remarks:** No additional information provided upon receipt.  Perennial.  Cultivar.  Plant.

PI 561174  
**origin:** United States.  **source history:** Received from Pacific Tree Farms to NCGR-Corvallis W.L. Nelson, Pacific Tree Farms, Chula Vista, California.  **cultivar:** Magi.  **remarks:** No additional information provided upon receipt.  Perennial.  Cultivar.  Plant.

PI 561175  
**origin:** United States.  **source history:** Received from Pacific Tree Farms to NCGR-Corvallis W.L. Nelson, Pacific Tree Farms, Chula Vista, California.  **cultivar:** Mrs. Cooksey.  **remarks:** No additional information provided upon receipt.  Perennial.  Cultivar.  Plant.

PI 561176  
**origin:** United States.  **source history:** Received from Pacific Tree Farms to NCGR-Corvallis W.L. Nelson, Pacific Tree Farms, Chula Vista, California.  **cultivar:** Ben Lehr.  **remarks:** No additional information provided upon receipt.  Perennial.  Cultivar.  Plant.

PI 561177  
**origin:** United States.  **source history:** Received from Pacific Tree Farms to NCGR-Corvallis W.L. Nelson, Pacific Tree Farms, Chula Vista, California.  **cultivar:** Strawberry.  **remarks:** No additional information provided upon receipt.  Perennial.  Cultivar.  Plant.

PI 561178. Eriobotrya sp. ROSACEAE Loquat

**Donated by:** Veauvy, J.M., Arturn Nogueira, Brazil.  Received April 05, 1990.

**origin:** Brazil.  **source history:** Collected wild by Veauvy and received at NCGR-Corvallis J.M. Veauvy, Artur Nogueira, Brazil.  **pedigree:** Collected from the wild in Brazil.  **collected:** March 1990.  **collector:** Jean Marie Veauvy.  **locality:** Near Sao Roque.  **latitude:** 05 deg. 30 min. S.  **longitude:** 35 deg. 16 min. W.  **elevation:** 1100m.  Perennial.  Wild.  Cutting.
PI 561179. Eriobotrya sp. ROSACEAE Loquat


PI 561180 to 561181. Eriobotrya sp. ROSACEAE Loquat

Donated by: Recher, Paul, Fruit Spirit Botanical Garden, Darrowby, New South Wales, Australia. Received August 12, 1991.


PI 561182. Lactuca sativa L. ASTERACEAE Lettuce


PI 561183. Glycine max (L.) Merr. FABACEAE Soybean

PI 561183-continued


PI 561184. Helianthus annuus L. ASTERACEAE Sunflower


PI 561185. Helianthus annuus L. ASTERACEAE Sunflower


PI 561186. Helianthus annuus L. ASTERACEAE Sunflower


PI 561187. Pisum sativum L. FABACEAE Pea

Donated by: Rogers NK Seed Company, United States. Received May 05, 1992.

PI 561188. Lactuca sativa L. ASTERACEAE Lettuce

**Donated by:** Ferry-Morse Seed Company, United States. Received May 05, 1992.

**origin:** United States. **origin institute:** Ferry-Morse Seed Company United States. **cultivar:** GILABEN. **other id:** PVP 9200149. **source:** Certificate in force. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561189. Triticum aestivum L., nom. cons. POACEAE Common wheat

**Donated by:** Northrup King Company, United States. Received May 05, 1992.

**origin:** United States. **origin institute:** Northrup King Company United States. **cultivar:** COKER 9105. **other id:** PVP 9200151. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561190. Triticum aestivum L., nom. cons. POACEAE Common wheat

**Donated by:** Northrup King Company, United States. Received May 05, 1992.

**origin:** United States. **origin institute:** Northrup King Company United States. **cultivar:** COKER 9543. **other id:** PVP 9200152. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561191. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Jacob Hartz Seed Company, Inc., United States. Received May 05, 1992.

**origin:** United States. **origin institute:** Jacob Hartz Seed Company, Inc. United States. **cultivar:** H4464. **other id:** PVP 9200153. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561192. Poa pratensis L. POACEAE Kentucky bluegrass

**Donated by:** Barenbrug Holding, United States. Received May 05, 1992.

**origin:** United States. **origin institute:** Barenbrug Holding United States. **cultivar:** BARTITIA. **other id:** PVP 9200154. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.
PI 561193. Lolium perenne L. POACEAE Perennial ryegrass

Donated by: Barenbrug Holding, United States. Received May 05, 1992.


PI 561194. Carthamus tinctorius L. ASTERACEAE Safflower

Donated by: Research and Development Institute, Inc., United States. Received May 05, 1992.


PI 561195. Brassica oleracea var. botrytis L. BRASSICACEAE Cauliflower

Donated by: Ferry-Morse Seed Company, United States. Received May 05, 1992.


PI 561196. Lactuca sativa L. ASTERACEAE Lettuce


PI 561197. Triticum aestivum L., nom. cons. POACEAE Common wheat


PI 561198. Triticum aestivum L., nom. cons. POACEAE Common wheat

**Donated by:** Pioneer Hi-Bred International, Inc., United States. Received May 05, 1992.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** WBA 963A5. **other id:** PVP 9200160. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561199. Triticum aestivum L., nom. cons. POACEAE Common wheat

**Donated by:** Pioneer Hi-Bred International, Inc., United States. Received May 05, 1992.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** WBB031E1. **other id:** PVP 9200161. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561200. Triticum aestivum L., nom. cons. POACEAE Common wheat

**Donated by:** Pioneer Hi-Bred International, Inc., United States. Received May 05, 1992.

**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** WBB441D1. **other id:** PVP 9200162. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561201. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Asgrow Seed Company, United States. Received May 05, 1992.

**origin:** United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** A2242. **other id:** PVP 9200163. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561202. Phaseolus vulgaris L. FABACEAE Field bean

**Donated by:** Gen-Tec Seeds, Ltd., Canada. Received May 05, 1992.

**origin:** Canada. **origin institute:** Gen-Tec Seeds, Ltd. Canada. **cultivar:** BLACKJACK. **other id:** PVP 9200164. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.
PI 561203. Helianthus annuus L. ASTERACEAE Sunflower


PI 561204. Hordeum vulgare L. subsp. vulgare POACEAE Barley


PI 561205. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Northrup King Company, United States. Received May 05, 1992.


PI 561206. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Northrup King Company, United States. Received May 05, 1992.
PI 561206-continued

origin: United States. origin institute: Northrup King Company United States. cultivar: S24-92. other id: PVP 9200169. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 561207. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Northrup King Company, United States. Received May 05, 1992.

origin: United States. origin institute: Northrup King Company United States. cultivar: S25-07. other id: PVP 9200170. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 561208. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Northrup King Company, United States. Received May 05, 1992.

origin: United States. origin institute: Northrup King Company United States. cultivar: S28-01. other id: PVP 9200171. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 561209. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Northrup King Company, United States. Received May 05, 1992.

origin: United States. origin institute: Northrup King Company United States. cultivar: S35-35. other id: PVP 9200172. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 561210. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Northrup King Company, United States. Received May 05, 1992.

origin: United States. origin institute: Northrup King Company United States. cultivar: S38-83. other id: PVP 9200173. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.
PI 561211. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Ciba-Geigy Seeds Division, United States. Received May 05, 1992.

- **origin:** United States. **origin institute:** Ciba-Geigy Seeds Division United States. **cultivar:** 3172. **other id:** PVP 9200174. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561212. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Ciba-Geigy Seeds Division, United States. Received May 05, 1992.

- **origin:** United States. **origin institute:** Ciba-Geigy Seeds Division United States. **cultivar:** 3202. **other id:** PVP 9200175. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561213. Phaseolus vulgaris L. FABACEAE Field bean

**Donated by:** Gentec, Inc., United States. Received May 05, 1992.

- **origin:** United States. **origin institute:** Gentec, Inc. United States. **cultivar:** CRAN 09. **other id:** PVP 9200176. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561214. Lathyrus odoratus L. FABACEAE Sweetpea

**Donated by:** Pan American Seed Company, United States. Received May 05, 1992.

- **origin:** United States. **origin institute:** Pan American Seed Company United States. **cultivar:** BOUQUET MID-BLUE. **other id:** PVP 9200177. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561215. Lathyrus odoratus L. FABACEAE Sweetpea

**Donated by:** Pan American Seed Company, United States. Received May 05, 1992.

- **origin:** United States. **origin institute:** Pan American Seed Company United States. **cultivar:** BOUQUET SALMON CREAM PINK. **other id:** PVP 9200178. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.
PI 561216. Lathyrus odoratus L. FABACEAE Sweetpea

**Donated by:** Pan American Seed Company, United States. Received May 05, 1992.

origin: United States. **origin institute:** Pan American Seed Company United States. **cultivar:** BOUQUET SCARLET. **other id:** PVP 9200179. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561217. Lathyrus odoratus L. FABACEAE Sweetpea

**Donated by:** Pan American Seed Company, United States. Received May 05, 1992.

origin: United States. **origin institute:** Pan American Seed Company United States. **cultivar:** BOUQUET WHITE. **other id:** PVP 9200180. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561218. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Asgrow Seed Company, United States. Received May 05, 1992.

origin: United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** A5560. **other id:** PVP 9200181. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561219. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Asgrow Seed Company, United States. Received May 05, 1992.

origin: United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** A5885. **other id:** PVP 9200182. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 561220. Triticum aestivum L., nom. cons. POACEAE Common wheat

**Donated by:** AgriPro Biosciences, Inc., United States. Received May 05, 1992.

38
PI 561220-continued

origin: United States. origin institute: AgriPro Biosciences, Inc., Kansas 66204 United States. cultivar: LAREDO. pedigree: Colt/Victory. other id: PVP 9200184. source: Pending. group: PVPO. patent: PVPO. remarks: Laredo is a high yielding, short semidwarf variety with strong straw and midseason maturity. Milling and baking properties are acceptable. It is well adapted to the states of Kansas, Nebraska, and Colorado. It seems especially adapt irrigated production. Laredo provides good protection to the currently prevalent races of stem and leaf rust. Cultivar. Seed.

PI 561221 to 561225. Arachis hypogaea subsp. fastigiata Waldron

FABACEAE

Donated by: Williams, D.E., Agricultural Research Service -- USDA, National Germplasm Resources Lab, Bldg. 003, 4th Floor, Beltsville, Maryland 20705-2350, United States. Received January 14, 1991.

PI 561221 origin: Bolivia. local name: mani amarillo (Spanish), janide marabi (Tacana). collected: August 11, 1990. collector: D.E. Williams. other id: Grif 978. locality: Carmen Florida, Ballivian Province, Beni Dept. latitude: 14 deg. 30 min. S. longitude: 67 deg. 30 min. W. elevation: 235m. remarks: Plants erect, 30cm tall. Fruits 4-6cm long, slender, thin shelled, fairly straight or curved, little or no constriction, with humps, beak, keel. Reticulation marked. Containing 4 pale yellow seeds. Pegs green. Stems green. Flowers bi-colored. Cultivated on sandy riverine beaches. Rare. An off-type found in collector No. 1144 which has Valencia pods with red seed. received as: A. hypogaea subsp. fastigiata var. fastigiata. Cultivated. Seed.

PI 561222 origin: Bolivia. local name: mani peruano (Spanish), janide ritchiritchi (Tacana). collected: August 11, 1990. collector: D.E. Williams. other id: Grif 979. locality: Carmen Florida, Ballivian Province, Beni Dept. latitude: 14 deg. 30 min. S. longitude: 67 deg. 30 min. W. elevation: 235m. remarks: Plants erect, 40cm tall. Fruits 4-4.5cm long, fairly straight, little or no constriction, with humps, keel, slight beak. Stems green. Pegs purple. Flowers orange with purple lines on wings and standard. Reticulation very sharp with longitudinal veins outstanding, containing 3-4 deep purple seeds. Cultivated on sandy riverine beaches. Rare. An off-type found in collector No. 1145 which has yellowish seed. received as: A. hypogaea subsp. fastigiata var. peruviana. Cultivated. Seed.
PI 561223  origin: Bolivia.  local name: mani blanco (Spanish),
collector: D.E. Williams.  other id: Grif 980.  locality:
Carmen Florida, Ballivian Province, Beni Dept.  latitude:
14 deg. 30 min. S.  longitude: 67 deg. 30 min. W.
elevation: 235m.  remarks: Plants erect, large, 50cm
tall. Fruits large 5-6cm long, bulky, thick shelled,
fairly straight or curved. Little or no constriction.
Pronounced humps, beak, some with keel. Reticulation
evident but subdued, containing 4 large creamy white
seeds which turn pinkish with age. Commonly cultivated on
sandy riverine beaches. An off-type found in collector
No. 1146 which has red Valencia seed. received as: A.
hypogaea subsp. fastigiata var. fastigiata. Cultivated.
Seed.

PI 561224  origin: Bolivia.  local name: mani colorado (Spanish),
collector: D.E. Williams.  other id: Grif 982.  locality:
Carmen Florida, Ballivian Province, Beni Dept.  latitude:
14 deg. 30 min. S.  longitude: 67 deg. 30 min. W.
elevation: 235m.  remarks: Fruits 3.5-5.5cm long, fairly
straight, little or no constriction, humps and beak.
Reticulation shallow and rounded to almost smooth,
containing 3-4 red seeds. Cultivated on sandy beaches of
Rio Beni, Common. An off-type found in collector No. 1170
which has a Valencia pod with yellow seed. received as:
A. hypogaea subsp. fastigiata var. fastigiata.. Cultivated.
Seed.

PI 561225  origin: Bolivia.  local name: mani colorado (Spanish),
collector: D.E. Williams.  other id: Grif 983.  locality:
Carmen Florida, Ballivian Province, Beni Dept.  latitude:
14 deg. 30 min. S.  longitude: 67 deg. 30 min. W.
elevation: 235m.  remarks: Fruits 3.5-5.5cm long, fairly
straight, little or no constriction, humps and beak.
Reticulation shallow and rounded to almost smooth,
containing 3-4 red seeds. Cultivated on sandy beaches of
Rio Beni. Common. An off-type found in collector No. 1170
which has a Valencia pod with tan seed. received as: A.
hypogaea subsp. fastigiata var. fastigiata. Cultivated.
Seed.

PI 561226. Arachis hypogaea L. subsp. hypogaea  FABACEAE

Donated by: Williams, D.E., Agricultural Research Service -- USDA,
National Germplasm Resources Lab, Bldg. 003, 4th Floor, Beltsville,
Maryland  20705-2350, United States. Received January 14, 1991.

40
origin: Bolivia. local name: mani. collected: September 10, 1990. collector: D.E. Williams. other id: Grif 981. locality: Rurrenabaque. latitude: 14 deg. 28 min. S. longitude: 67 deg. 34 min. W. elevation: 227m. remarks: Fruits 3-4cm long, straight, little or no constriction, humps, slight keel and beak. Reticulation deep but not sharp, containing 2-3 reddish-brown seeds. Said to be grown locally. An off-type found in collector no. 1148 which has yellow seed. received as: A. hypogaea subsp. hypogaea var. hypogaea. Cultivated. Seed.

PI 561227 to 561242. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Lim, S.L., Agricultural Research Service -- USDA, Univ. of Illinois, Dept. of Plant Path., 1102 S. Goodwin Avenue, Urbana, Illinois 66801, United States. Received April 21, 1992.


PI 561227 to 561242-continued


PI 561243. Ipomoea alba L. CONVOLVULACEAE Moonflower

Donated by: Jarret, R.L., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States. Received April 20, 1992.


PI 561244 to 561245. Ipomoea asarifolia (Desr.) Roemer & Schultes CONVOLVULACEAE

Donated by: Jarret, R.L., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States. Received April 20, 1992.


PI 561246 to 561261. Ipomoea batatas (L.) Lam. CONVOLVULACEAE Yam

**Donated by:** Jarret, R.L., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States. Received April 20, 1992.

*PI 561246*  Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Yam

*PI 561247*  Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Yam

*PI 561248*  Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Yam

*PI 561249*  Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Yam
* PI 561250
Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
Yam

* PI 561251
Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
Yam

* PI 561252
Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
Yam

* PI 561253
Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
Yam

* PI 561254
Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
Yam
* PI 561255 Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
  Yam

* PI 561256 Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
  Yam

* PI 561257 Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
  Yam

* PI 561258 Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
  Yam

* PI 561259 Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
  Yam

* PI 561260 Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
  Yam

* PI 561261 Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
  Yam
PI 561262 to 561263. Ipomoea carnea Jacq. CONVOLVULACEAE

Donated by: Jarret, R.L., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States. Received April 20, 1992.


PI 561264. Ipomoea incarnata (M. Vahl) Choisy CONVOLVULACEAE

Donated by: Jarret, R.L., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States. Received April 20, 1992.


PI 561265. Ipomoea pes-caprae (L.) R. Br. CONVOLVULACEAE Beach morning-glory

Donated by: Jarret, R.L., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States. Received April 20, 1992.


PI 561266. Ipomoea rubens Choisy CONVOLVULACEAE

Donated by: Jarret, R.L., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States. Received April 20, 1992.

PI 561267 to 561269.  Ipomoea triloba L.  CONVOLVULACEAE

Donated by: Jarret, R.L., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States. Received April 20, 1992.


PI 561270.  Ipomoea vargasiana O'Don.  CONVOLVULACEAE

Donated by: Jarret, R.L., Agricultural Research Service -- USDA, Southern Regional PI Station, 1109 Experiment Street, Griffin, Georgia 30223-1797, United States. Received April 20, 1992.

PI 561271. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Soybean Institute, Nanjing Agricultural University, Department of Agronomy, Nanjing, China. remarks: Received through H. Yunzhu. Received May 04, 1992.


PI 561272 to 561282. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Botanical Gardens, Voronezh State University, Department of Genetics, Voronezh 394693, Russian Federation. remarks: Received through Alesander V. Lavlinsky and Andrey U. Iganberdiev. Received May 04, 1992.


PI 561283 to 561285. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Department of Agriculture, Animal Husbandry and Fishery, Heilongjiang, China. remarks: Received through S. Jia, Deputy Director. Received May 04, 1992.
PI 561283 to 561285-continued

PI 561283  
origin: China.  
cultivar: Hei nong No. 33.  
Cultivated.  
Seed.

PI 561284  
origin: China.  
cultivar: Hei nong No. 34.  
Cultivated.  
Seed.

PI 561285  
origin: China.  
cultivar: Hei nong No. 35.  
Cultivated.  
Seed.

PI 561286 to 561294. Glycine max (L.) Merr.  
FABACEAE  Soybean

Donated by: Asian Vegetable Research and Development, Taiwan.  
remarks: Received through Dr. M. Rangappa, Virginia State University, Petersburg, Virginia, 23803. Received May 04, 1992.

PI 561286  
origin: Taiwan.  
cultivar: AGS 269.  
Cultivated.  
Seed.

PI 561287  
origin: Taiwan.  
cultivar: AGS 290.  
Cultivated.  
Seed.

PI 561288  
origin: Taiwan.  
cultivar: AGS 293.  
Cultivated.  
Seed.

PI 561289  
origin: Taiwan.  
cultivar: AGS 314.  
Cultivated.  
Seed.

PI 561290  
origin: Taiwan.  
cultivar: Blue Side.  
Cultivated.  
Seed.

PI 561291  
origin: Taiwan.  
cultivar: G9053.  
Cultivated.  
Seed.

PI 561292  
origin: Taiwan.  
cultivar: G10134.  
Cultivated.  
Seed.

PI 561293  
origin: Taiwan.  
cultivar: GC-84126-P-4-1-8.  
Cultivated.  
Seed.

PI 561294  
origin: Taiwan.  
cultivar: KVS 124.  
Cultivated.  
Seed.

PI 561295 to 561350. Glycine max (L.) Merr.  
FABACEAE  Soybean

Donated by: Institute of Crop Germplasm Resources, Chinese Academy of Agricultural Sciences, Beijing, China. Received May 04, 1992.

PI 561295  
origin: China.  
cultivar: An tu zi hua lu da dou.  
other id: 00015.  
Cultivated.  
Seed.

PI 561296  
origin: China.  
cultivar: Ba yan shui li shan.  
other id: 00016.  
Cultivated.  
Seed.

PI 561297  
origin: China.  
cultivar: Bai hua cuo.  
other id: 00017.  
Cultivated.  
Seed.

PI 561298  
origin: China.  
cultivar: Bai hua cuo zi.  
other id: 00018.  
Cultivated.  
Seed.


PI 561304 origin: China. cultivar: Bai nong 1 hao. other id: 00024. Cultivated. Seed.


PI 561309 origin: China. cultivar: Hua feng 1 hao. other id: 00245. Cultivated. Seed.


PI 561316  origin: China.  
cultivar: Hui jia zi.  
other id: 00271.  
Cultivated.  Seed.
PI 561317  origin: China.  
cultivar: Hui nan bai hua tie jia.  
other id: 00273.  
Cultivated.  Seed.
PI 561318  origin: China.  
cultivar: Hui nan bai hua xiao hei.  
other id: 00274.  
Cultivated.  Seed.
PI 561319  origin: China.  
cultivar: Hui nan zi hua he jia.  
other id: 00285.  
Cultivated.  Seed.
PI 561320  origin: China.  
cultivar: Hui nan zi hua hei dou.  
other id: 00286.  
Cultivated.  Seed.
PI 561321  origin: China.  
cultivar: Hui nan zi hua xiao hei d.  
other id: 00287.  
Cultivated.  Seed.
PI 561322  origin: China.  
cultivar: Hui tie jia.  
other id: 00288.  
Cultivated.  Seed.
PI 561323  origin: China.  
cultivar: Hui tie jia.  
other id: 00289.  
Cultivated.  Seed.
PI 561324  origin: China.  
cultivar: Hun jiang da hin huang.  
other id: 00290.  
Cultivated.  Seed.
PI 561325  origin: China.  
cultivar: Ji an du li dou.  
other id: 00291.  
Cultivated.  Seed.
PI 561326  origin: China.  
cultivar: Ji lin 2 hao.  
other id: 00293.  
Cultivated.  Seed.
PI 561327  origin: China.  
cultivar: Ji lin 3 hao.  
other id: 00294.  
Cultivated.  Seed.
PI 561328  origin: China.  
cultivar: Jian dou.  
other id: 00316.  
Cultivated.  Seed.
PI 561329  origin: China.  
cultivar: Jiang ye dou.  
other id: 00317.  
Cultivated.  Seed.
PI 561330  origin: China.  
cultivar: Jiao he bai hua xiao bai.  
other id: 00318.  
Cultivated.  Seed.
PI 561331  origin: China.  
cultivar: Jiao he xiao hei dou.  
other id: 00320.  
Cultivated.  Seed.
PI 561332  origin: China.  
cultivar: Jiao he zi hua 1 hao.  
other id: 00321.  
Cultivated.  Seed.
<table>
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<th>PI</th>
<th>Origin</th>
<th>Cultivar</th>
<th>Other ID</th>
<th>Cultivation</th>
<th>Seed Type</th>
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<td>China</td>
<td>Jiao he zi hua xiao bai d.</td>
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<td>561334</td>
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<td>561335</td>
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<td>Man cang jin</td>
<td>00377</td>
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<td>561336</td>
<td>China</td>
<td>Man di jin</td>
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<td>561337</td>
<td>China</td>
<td>Mao dou</td>
<td>00379</td>
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<td>Mi shan tie jia qing</td>
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<td>Seed</td>
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<td>561339</td>
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<td>Mian yan</td>
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<td>Seed</td>
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<td>561341</td>
<td>China</td>
<td>Mu feng 1 hao</td>
<td>00383</td>
<td>Cultivated</td>
<td>Seed</td>
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<td>561342</td>
<td>China</td>
<td>Mu feng 2 hao</td>
<td>00384</td>
<td>Cultivated</td>
<td>Seed</td>
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<td>Mu feng 3 hao</td>
<td>00385</td>
<td>Cultivated</td>
<td>Seed</td>
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<td>561344</td>
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<td>Mu feng 4 hao</td>
<td>00386</td>
<td>Cultivated</td>
<td>Seed</td>
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<td>561345</td>
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<td>Yi tong lu da dou</td>
<td>00568</td>
<td>Cultivated</td>
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<td>561346</td>
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<td>Yi tong man cang jin</td>
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<td>561347</td>
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<td>Yi wo feng</td>
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<td>561348</td>
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<td>Yi wo liang</td>
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<td>Seed</td>
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<td>561349</td>
<td>China</td>
<td>Yong feng dou</td>
<td>00574</td>
<td>Cultivated</td>
<td>Seed</td>
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</tbody>
</table>
PI 561350 origin: China. cultivar: Yong ji qun zhong da dou. 
other id: 00575. Cultivated. Seed.

PI 561351 to 561354. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Heilongjiang Academy of Agr. Sciences, Heilongjiang, 
China. remarks: Received through Dr. M. Rangappa, Virginia State 
University, Petersburg, Virginia 23803. Received May 04, 1992.

Seed.

PI 561352 origin: China. cultivar: He feng No. 25. Cultivated. 
Seed.

PI 561353 origin: China. cultivar: Hei he No. 3. Cultivated. 
Seed.

PI 561354 origin: China. cultivar: Zi hua No. 4. Cultivated. 
Seed.

PI 561355. Glycine soja Siebold & Zucc. FABACEAE Wild soybean

Donated by: Heilongjiang Academy of Agr. Sciences, Heilongjiang, 
China. remarks: Received through Dr. M. Rangappa, Virginia State 
University, Petersburg, Virginia 23803. Received May 04, 1992.

origin: China. cultivar: ZYD 403. other id: 79-1809. 
Cultivated. Seed.

PI 561356 to 561359. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Soybean Research Institute, Nanjing Agricultural 
University, Nanjing, China. remarks: Received through Dr. M. 
Rangappa, Virginia State University, Petersburg, Virginia 23803. 
Received May 04, 1992.

PI 561356 origin: China. cultivar: Jin yun dou. other id: N 1589. 
Cultivated. Seed.

PI 561357 origin: China. cultivar: Ping hu cu huang dou. other 

PI 561358 origin: China. cultivar: Ping non dou. other id: N 
1535-1. Cultivated. Seed.

PI 561359 origin: China. cultivar: Qui dou. other id: N 2957-1. 
Cultivated. Seed.
PI 561360 to 561365. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Miyazaki, S., Natl. Inst. of Agrobiological Resources, Kannondai, Tsukuba, Ibaraki 305, Japan. remarks: Received through T.E. Carter, USDA-ARS, North Carolina State University, Box 7631, Raleigh, North Carolina 27695, and R. Boerma, University of Georgia, Dept. of Agronomy, Athens, Georgia 30602. Received May 04, 1992.


PI 561366 to 561382. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Provided by various institutions, China. remarks: Received through T.E. Carter, USDA-ARS, North Carolina State University, Box 7631, Raleigh, North Carolina 27695-7631. Received May 04, 1992.


PI 561367 origin: China. cultivar: Sui nong No. 4. remarks: Maturity group 2. Cultivated. Seed.


PI 561366 to 561382-continued


PI 561383 to 561393. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Provided by various institutions, Japan. remarks: Received through T.E. Carter, USDA-ARS, North Carolina State University, Box 7631, Raleigh, North Carolina 27695-7631. Received May 04, 1992.


PI 561383 to 561393-continued

PI 561393  
origin: Japan. origin institute: Azuma Natto Factory  
Japan. cultivar: Ootura. remarks: Maturity group 4-6.  
Seed gray, shatters. Used for soyfoods including tofu.  

PI 561394 to 561398. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Takahashi, N., Soybean Breeding Lab, Nagano Cushin Agr.  
Exp. Sta., Tokoo, Shouga, Shiojiri-shi, Nagano 10664, Japan.  
Received May 04, 1992.

PI 561394  

PI 561395  

PI 561396  

PI 561397  

PI 561398  
origin: Japan. cultivar: Tousan 140. Cultivated. Seed.

PI 561399. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Skorupska, H., Department of Agronomy and Soils, Clemson  
University, Clemson, South Carolina 29634-0359, United States.  
Received May 04, 1992.

origin: UNKNOWN. Seed.

PI 561400. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Missouri Agr. Exp. Sta., University of Missouri, Delta  
Center, Portageville, Missouri, United States. Received May 04,  

origin: United States. origin institute: Missouri Agr.  
Exp. Sta., University of Missouri, Delta Center,  
Portageville, Missouri United States. cultivar: Rhodes.  
pedigree: J74-123 X N73-520. other id: S80-2959.  
remarks: Maturity group V. Matures approx. 2 days later  
than Forrest. Height 31". Lodging 1.7(1). Size 14.8.  
Protein percentage 41.1 Oil percentage 20.7. Resistance  
high to soybean cyst nematode Races 3 & 4, and common  
root-knot nematode. Seeds yellow with black hila.  
Cultivated. Seed.
PI 561401 to 561403. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Agricultural Research Service -- USDA, Soybean Production Research, Stoneville, Mississippi, United States; and North Carolina Agr. Res. Service. Received May 04, 1992.

PI 561401  
**origin:** United States.  
**developed:** J.W. Burton, W.V. Campbell, S.V. Hart, J.P. Ross, C.A. Brim, P.A. Miller.  
**origin institute:** Agricultural Research Service -- USDA, Soybean Production Research, Stoneville, Mississippi United States.  
**cultivar:** N80-53201.  
**pedigree:** F5 line of Group V maturity derived from the second backcross of line 6 to Forest.  
**other id:** GP-69.  
**group:** CSR-SOYBEAN.  
**remarks:** Had 55 & 43% less foliar feeding than Forrest, under field infestations of corn earworm (CEW) and Mexican bean beetle (MBB), respectively. Mean days to pupation of MBB was greater than from larvae on Forrest. Has Group V maturity. Averaged over two North Carolina environments, it yielded 2813 kg/ha compared to 3567 kg/ha for Forrest. Breeding Material. Seed.

PI 561402  
**origin:** United States.  
**developed:** J.W. Burton, W.V. Campbell, S.V. Hart, J.P. Ross, C.A. Brim, P.A. Miller.  
**origin institute:** Agricultural Research Service -- USDA, Soybean Production Research, Stoneville, Mississippi United States.  
**cultivar:** N79-2282.  
**pedigree:** F5 line of Group VII maturity derived from the second backcross of line 4 to Forest.  
**other id:** GP-70.  
**group:** CSR-SOYBEAN.  
**remarks:** Had 61 & 40% less foliar feeding than Forrest, under field infestations of corn earworm (CEW) and Mexican bean beetle (MBB), respectively. 14th day CEW larvae weights and MBB pupa weights were lower than Forrest by 41 and 11%, respectively. Rated equal to Bragg in feeding by soybean looper (Pseudoplusia includens). Yielded 2541 kg/ha averaged over 26 environments compared to 2702 kg/ha for Braxton. Breeding Material. Seed.
PI 561403 origin: United States. developed: J.W. Burton, W.V Campbell, S.V. Hart, J.P. Ross, C.A. Brim, P.A. Miller. origin institute: Agricultural Research Service -- USDA, Soybean Production Research, Stoneville, Mississippi United States. cultivar: N80-50232. pedigree: F7 line of Group VII maturity derived from the first backcross of line 6 to Forrest. other id: GP-71. source: Crop Sci. 26(1):212 1986. group: CSR-SOYBEAN. remarks: Had 61 & 58% less foliar feeding than Forrest under field infestations of corn earworm (CEW) & Mexican bean beetle (MBB), respectively. Level of feeding not significantly different from resistance source PI 229358. CEW larvae caged had 55% lower 14th day larvae weights than larvae caged on Forrest. MBB larvae required 5 more days to reach pupation & had pupae that were 25% lower in weight than those reared on Forrest. Rated 56% lower than Braxton check for feeding by soybean looper. Yield average was 2013 kg/ha compared to 2413 kg/ha for Braxton. Breeding Material. Seed.

PI 561404 origin: United States. developed: C.S. Davies, N.C. Nielsen. origin institute: Agricultural Research Service -- USDA United States. cultivar: Ll-5. pedigree: 'Century' (Lx1Lx1Lx2Lx2Lx3Lx3) X PI 408251 (Lx1Lx1Lx2Lx2Lx3Lx3) (1). Original crosses were followed by five backcrosses to Century. Increased by selfing the progeny from a single F2 seed of known phenotype. other id: GP-93. source: Crop Sci. 27(2):370 1987. group: CSR-SOYBEAN. remarks: Early backcross generations were selected for conformity to Century plant-type, maturity and phenotypic marker genes T, W, g, R, and i (4). No obvious visual differences between Century plants and single plants. Seeds increased in the field at both West Lafayette and Puerto Rico. May contain 1-4% wild-type alleles due to outcrossing. Breeding Material. Seed.
PI 561405 origin: United States. developed: C.S. Davies, N.C. Nielsen. origin institute: Agricultural Research Service -- USDA United States. cultivar: L2-3. pedigree: Century X PI 86023 (Lx1Lx1Lx2Lx2Lx3Lx3) (2). Original crosses were followed by three backcrosses to Century. Increased by selfing the progeny from a single F2 seed of known phenotype. other id: GP-94. source: Crop Sci. 27(2):370 1987. group: CSR-SOYBEAN. remarks: Early backcross generations were selected for conformity to Century plant-type, maturity and phenotypic marker genes T, W, g, R, and i (4). Produced occasional off-types that exhibited late maturity, increased plant size and coarseness. Seeds were increased in the field at both West Lafayette and Puerto Rico. May contain 1-4% wild-type alleles due to outcrossing. Breeding Material. Seed.

PI 561406 origin: United States. developed: C.S. Davies, N.C. Nielsen. origin institute: Agricultural Research Service -- USDA United States. cultivar: L3-5. pedigree: Century X 'Ichigowase' PI 205085 (Lx1Lx1Lx2Lx2Lx3Lx3) (3). Original crosses were followed by five backcrosses to Century. Increased by selfing the progeny from a single F2 seed of known phenotype. other id: GP-95. source: Crop Sci. 27(2):370 1987. group: CSR-SOYBEAN. remarks: Early backcross generations were selected for conformity to Century plant-type, maturity and phenotypic marker genes T, W, g, R, and i (4). No obvious visual differences between Century plants and single plants. Seeds were increased in the field at both West Lafayette and Puerto Rico. May contain 1-4% wild-type alleles due to outcrossing. Breeding Material. Seed.

PI 561407 origin: United States. developed: C.S. Davies, N.C. Nielsen. origin institute: Agricultural Research Service -- USDA United States. cultivar: L1L3-4-4. pedigree: Single seed selected from the F2 generation of BC4F2 (L1-less) X BC4F2 (L3-less) where BC4F2 represents F2 plants from the fourth backcross generation for the 1x2 or 1x3 alleles, respectively. other id: GP-96. source: Crop Sci. 27(2):370 1987. group: CSR-SOYBEAN. remarks: Early backcross generations were selected for conformity to Century plant-type, maturity and phenotypic marker genes T, W, g, R, and i (4). No obvious visual differences between Century plants and single plants. Seeds were increased in the field at both West Lafayette and Puerto Rico. May contain 1-4% wild-type alleles due to outcrossing. Breeding Material. Seed.
PI 561408  
*origin*: United States.  
*developed*: C.S. Davies, N.C. Nielsen.  
*origin institute*: Agricultural Research Service -- USDA United States.  
*cultivar*: L2L3-2-4.  
*pedigree*: Single seed selected from the F2 generation of BC2F2 (L2-less) X BC4F2 (L3-less) where BC2F2 and BC4F2 represent F2 plants of known genotype selected from the second and fourth backcross generations for 1x2 and 1x3, respectively.  
*other id*: GP-97.  
*group*: CSR-SOYBEAN.  
*remarks*: Early backcross generations were selected for conformity to Century plant-type, maturity and phenotypic marker genes T, W, g, R, and i (4). Produced occasional off-types that exhibited late maturity, increased plant size and coarseness. Seeds were increased in the field at both West Lafayette and Puerto Rico. May contain 1-4% wild-type alleles due to outcrossing.  
*Breeding Material. Seed.*

PI 561409. Hordeum vulgare L. subsp. vulgare POACEAE Barley  
*remarks*: Crest Barley. Received June 60, 1992.  
*origin*: United States.  
*developed*: C.E. Muir, R.A. Nilan, S.E. Ullrich, J.A. Froseth, B.C. Miller.  
*cultivar*: CREST.  
*pedigree*: Klages/2 WA8537-68.  
*other id*: CV-231.  
*group*: CSR-BARLEY.  
*other id*: WA8771-78.  
*restricted*: CSR.  
*remarks*: Two-row, mid-season, spring malting and feed barley. Height medium. Spikes lax nodding. Awns long, rough. Kernels mid-long and plump. Hulls slightly wrinkled, adhering. Veins prominent. Crease narrow to broad. Rachilla hairs long. Aleurone white. Widely adapted. Highest relative yield in areas where rainfall is less than 450mm. Test weight and plumpness over 40 location-years was 68kg hl-1 and 89%, respectively. Maturity averages 175 days from 1/1, two days earlier than Klages. Partial resistance to powdery mildew (Erysiphe graminis). Good malting and nutritional quality.  
*Spring Annual. Cultivar. Seed.*
PI 561410. Trifolium campestre Schreber FABACEAE

Donated by: Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab, Bldg. 003, Rm 402, Beltsville, Maryland 20705, United States. Received May 07, 1992.


PI 561411 to 561414. Vicia cracca subsp. tenuifolia (Roth) Gaudin FABACEAE

Donated by: Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab, Bldg. 003, Rm 402, Beltsville, Maryland 20705, United States. Received May 07, 1992.


PI 561415 to 561418. Vicia ervilia (L.) Willd. FABACEAE

**Donated by:** Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab, Bldg. 003, Rm 402, Beltsville, Maryland 20705, United States. Received May 07, 1992.

**PI 561415**
- **donor id:** 8123
- **origin:** Uzbekistan
- **collector:** C.R. Sperling
- **locality:** Disused terraces, walnut plantation and rough pasture, 1km into reserve, 5km E of Harasheng, near Kyzyl Su, Uzbekistan Province.
- **latitude:** 38 deg. 58 min. N.
- **longitude:** 067 deg. 04 min. E.
- **elevation:** 1280m.
- **remarks:** Plants medium, clumped. Annual. Wild. Seed.

**PI 561416**
- **donor id:** 8141
- **origin:** Uzbekistan
- **collector:** C.R. Sperling
- **locality:** South roadside banks and pasture (grasses and legumes), 15km N of Shakhrisyabz, near Kitab, Uzbekistan Province.
- **latitude:** 39 deg. 12 min. N.
- **longitude:** 066 deg. 53 min. E.
- **elevation:** 1060m.
- **remarks:** Plants small, clumped. Annual. Wild. Seed.

**PI 561417**
- **donor id:** 8175
- **origin:** Uzbekistan
- **collector:** C.R. Sperling
- **locality:** South rocky hillside pasture above reservoir (grasses and legumes), 6km NE of Angren, near Chet-Suv, Uzbekistan Province.
- **latitude:** 41 deg. 04 min. N.
- **longitude:** 070 deg. 13 min. E.
- **elevation:** 1200m.
- **remarks:** Plants small, clumped. Annual. Wild. Seed.

**PI 561418**
- **donor id:** 8237
- **origin:** Uzbekistan
- **collector:** C.R. Sperling
- **locality:** North irrigated hillside, mixed shrubs and herbs, 2km SW of road bridge over Chatkal River, near Burchimulla, Uzbekistan Province.
- **latitude:** 41 deg. 36 min. N.
- **longitude:** 070 deg. 03 min. E.
- **elevation:** 920m.
- **remarks:** Plants small, disperse. Annual. Wild. Seed.

PI 561419 to 561425. Vicia hyrcanica Fischer & C. Meyer FABACEAE

**Donated by:** Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab, Bldg. 003, Rm 402, Beltsville, Maryland 20705, United States; and Maxted, N.. Received May 07, 1992.

**PI 561419**
- **donor id:** 8116
- **origin:** Uzbekistan
- **collected:** May 31, 1991
- **collector:** N. Maxted, C.R. Sperling
- **locality:** Flat, scrub, wasteground around petrol station, near Kamashi, Uzbekistan Province.
- **latitude:** 38 deg. 48 min. N.
- **longitude:** 066 deg. 28 min. E.
- **elevation:** 610m.
- **remarks:** Plants small, clumped. Annual. Wild. Seed.
Vicia michauxii Sprengel  FABACEAE

**PI 561420**

**PI 561421**

**PI 561422**

**PI 561423**

**PI 561424**
PI 561419 to 561425-continued

PI 561425  
donor id: 8242.  
origin: Uzbekistan.  
collected: June 17, 1991.  
collector: N. Maxted, C.R. Sperling.  
collector id: 8242.  
other id: 918242.  
locality: Flat, irrigated fields, vineyard and potato, 6km SW of Charvak on Gazalkent road, near Korankul, Uzbekistan Province.  
latitude: 41 deg. 35 min. N. longitude: 069 deg. 53 min. E.  
elevation: 780m.  
remarks: Plants large, clumped.  
Annual. Wild. Seed.

PI 561426 to 561429. Vicia peregrina L. FABACEAE

Donated by: Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab, Bldg. 003, Rm 402, Beltsville, Maryland 20705, United States; and Maxted, N.. Received May 07, 1992.

PI 561426  
donor id: 8150.  
origin: Uzbekistan.  
collected: June 03, 1991.  
collector: N. Maxted, C.R. Sperling.  
collector id: 8150.  
other id: 918150.  
locality: Flat, weedy cornfield and orchard (grasses, legumes, plums and almonds), 5kms SW of railway bridge, near Pertolrobad, Uzbekistan Province.  
latitude: 39 deg. 48 min. N. longitude: 067 deg. 23 min. E.  
elevation: 880m.  
remarks: Plants small, disperse.  
Annual. Wild. Seed.

PI 561427  
donor id: 8169.  
origin: Uzbekistan.  
collected: June 06, 1991.  
collector: N. Maxted, C.R. Sperling.  
collector id: 8169.  
other id: 918169.  
locality: Western aspect, margin of cornfield and roadside banks (grasses and legumes), 5km N of Akhangaren, Tashkent to Angren road, Uzbekistan Province.  
latitude: 40 deg. 57 min. N. longitude: 069 deg. 32 min. E.  
elevation: 690m.  
remarks: Plants medium, clumped.  
Annual. Wild. Seed.

PI 561428  
donor id: 8199.  
origin: Tajikistan.  
collector: N. Maxted, C.R. Sperling.  
collector id: 8199.  
other id: 918199.  
locality: Southern aspect, small river valley, mixed shrubs and cereal fields, 3km N of Vechkan in gorge, Tadzhikistan Province.  
latitude: 39 deg. 28 min. N. longitude: 068 deg. 06 min. E.  
elevation: 1520m.  
remarks: Plants medium, clumped.  
Annual. Wild. Seed.

PI 561429  
donor id: 8214.  
origin: Tajikistan.  
collector: N. Maxted, C.R. Sperling.  
collector id: 8214.  
other id: 918214.  
locality: Margin of flat, irrigated cereal (wheat) field and roadside, 39km E of Penzikent, near Dashtikosi, Tadzhikistan Province.  
latitude: 39 deg. 28 min. N. longitude: 067 deg. 43 min. E.  
elevation: 1250m.  
remarks: Plants large, disperse.  
Annual. Wild. Seed.
PI 561430 to 561431. Festuca arundinacea Schreber  POACEAE Tall fescue

Donated by: Eizenga, G., Agricultural Research Service -- USDA, Tobacco & Forage Unit, Univ. of Kentucky, Department of Agronomy, Lexington, Kentucky 40546-0091, United States. Received April 21, 1992.


PI 561432 to 561469. Medicago sativa L.  FABACEAE Alfalfa

Donated by: Campbell, T.A., Alfalfa and Soybean Research Laboratory, USDA-ARS-PSI, Beltsville, Maryland 20705, United States. Received November 21, 1990.


PI 561436  

PI 561437  

PI 561438  

PI 561439  

PI 561440  

PI 561441  

PI 561442  

PI 561443  

PI 561444  

PI 561445  

PI 561446  

PI 561447  

PI 561448  


* PI 561456  Medicago sativa subsp. falcata (L.) Arcang. FABACEAE Alfalfa


PI 561470. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Hartwig, E.E., Agricultural Research Service -- USDA, P.O. Box 196, Stoneville, Mississippi 38776, United States; and Mississippi Agr. and Forestry Exp. Sta.. **Remarks:** D82-2896 Soybean Germplasm. Received May 29, 1992.

**Origin:** United States. **Developed:** E.E. Hartwig. **Origin Institute:** Agricultural Research Service -- USDA, P.O. Box 196, Stoneville, Mississippi 38776 United States. **Cultivar:** D82-2896. **Pedigree:** Forrest X D78-5685. **Other ID:** GP-141. **Source:** Crop Sci. 32(6):1514 1992. **Group:** CSR-SOYBEAN. **Restricted:** CSR. **Remarks:** Group V maturity, similar in maturity and growth characteristics to Forrest. Differs from Forrest in that it has grey pubescence, is resistant to stem canker and carries the Rps3 gene for resistance to phytophthora rot. Resistant to SCN Race 3. Spring Annual. Breeding Material. Seed.

PI 561471. Trifolium hirtum All. FABACEAE Rose clover

**Donated by:** Smith, G.R., Texas Agr. Exp. Sta., P.O. Box E, Overton, Texas 75684, United States; and Soil Conservation Service -- USDA. **Remarks:** Overton R18 Rose Clover. Received May 29, 1992.

**Origin:** United States. **Developed:** G.R. Smith, F.M. Rouquette, Jr., G.W. Evers, M.A. Hussey, W.R. Ocumpaugh, J.C. Read, A.M. Schubert. **Origin Institute:** Texas Agr. Exp. Sta., Texas A&M Univ. Agr. Res. and Ext. Ctr., Overton, Texas 75684 United States. **Cultivar:** OVERTON R18. **Pedigree:** Selection from mixed line (PI 311483) introduced from Spain. **Other ID:** CV-100. **Source:** Crop Sci. 32(6):1507 1992. **Group:** CSR-OTHER LEGUMES. **Restricted:** CSR. **Remarks:** Late maturing, cold tolerant. Matures seed by mid-June at Overton, and is winter hardy as far north as central Oklahoma. Productive in March, April, and May with a 5 year average forage production of 3671kg DM/ha in Texas. Spring Annual. Cultivar. Seed.

PI 561472. Sorghum bicolor (L.) Moench POACEAE Sorghum

**Donated by:** Meckenstock, D.H., Secretaria de Recursos Naturales, Escuela Agricola Panamericana, Tegucigalpa, Honduras; and Int'l Sorghum & Millet Prog. (INTSORMIL); and ICRISAT. **Remarks:** Sureno Sorghum. Received May 29, 1992.
PI 561472-continued


PI 561473. Phaseolus vulgaris L. FABACEAE Bean


PI 561474. Phaseolus vulgaris L. FABACEAE Bean

PI 561474-continued


PI 561475. Oryza sativa L. POACEAE Rice

Donated by: Bockelman, H.E., National Small Grains Collection, Small Grains Germplasm Research Facility, P.O. Box 307, Aberdeen, Idaho 83210, United States. Received January 16, 1990.


PI 561476. Oryza sativa L. POACEAE Rice

Donated by: Chang, H.E., International Rice Research Institute, P.O. Box 933, Manila, Luzon, Philippines. Received March 28, 1990.


PI 561477. Cuphea aequipetala Cav. LYTHRACEAE Cuphea

Donated by: Graham, S., Kent State University, Dept. Biological Sciences, Kent, Ohio 44242-0001, United States. Received November 07, 1988.

PI 561478. Cuphea hookeriana Walp. LYTHRACEAE

**Donated by:** Thompson, A.E., USDA-ARS, Water Quality Laboratory, Phoenix, Arizona, United States. Received January 09, 1986.


PI 561479. Cuphea hookeriana Walp. LYTHRACEAE

**Donated by:** Graham, S., Kent State University, Dept. Biological Sciences, Kent, Ohio 44242-0001, United States. Received November 07, 1988.


PI 561480 to 561481. Cuphea koehneana Rose LYTHRACEAE

**Donated by:** Graham, S., Kent State University, Dept. Biological Sciences, Kent, Ohio 44242-0001, United States. Received November 07, 1988.


PI 561482. Cuphea laminuligera Koehne LYTHRACEAE

**Donated by:** Graham, S., Kent State University, Dept. Biological Sciences, Kent, Ohio 44242-0001, United States. Received April 11, 1988.
PI 561482-continued


PI 561483 to 561484. Cuphea lamiunligera Koehne LYTHRACEAE

Donated by: Knapp, S.J., Oregon State University, Corvallis, Oregon, United States. Received January 12, 1989.


PI 561485. Cuphea lanceolata Aiton f. LYTHRACEAE

Donated by: Thompson, A.E., USDA-ARS, Water Quality Laboratory, Phoenix, Arizona, United States. Received January 09, 1986.


PI 561486. Cuphea lanceolata Aiton f. LYTHRACEAE

Donated by: Knapp, S.J., Oregon State University, Department of Crop Science, Corvallis, Oregon 97331, United States. Received .
PI 561486-continued


PI 561487. Cuphea leptopoda Hemsley LYTHERACEAE

Donated by: Knapp, S.J., Oregon State University, Department of Crop Science, Corvallis, Oregon 97331, United States. Received.


PI 561488 to 561489. Cuphea lophostoma Koehne LYTHERACEAE Cuphea

Donated by: Graham, S., Kent State University, Dept. Biological Sciences, Kent, Ohio 44242-0001, United States. Received November 07, 1988.


PI 561490 to 561491. Cuphea paucipetala S. Graham LYTHERACEAE Cuphea

Donated by: Graham, S., Kent State University, Dept. Biological Sciences, Kent, Ohio 44242-0001, United States. Received November 07, 1988.
PI 561490 to 561491-continued


PI 561492. Cuphea procumbens Cav.  LYTHRACEAE  Cuphea

Donated by: Graham, S., Kent State University, Dept. Biological Sciences, Kent, Ohio 44242-0001, United States. Received November 07, 1988.


PI 561493. Cuphea racemosa (L. f.) Sprengel  LYTHRACEAE

Donated by: Graham, S., Kent State University, Dept. Biological Sciences, Kent, Ohio 44242-0001, United States. Received April 11, 1988.


PI 561494 to 561495. Cuphea sp.  LYTHRACEAE

Donated by: Campbell, T.A., USDA-ARS, Forage & Pasture, Bldg. 005, BARC-West, Beltsville, Maryland 20705, United States. Received March 18, 1987.
PI 561494 to 561495-continued


PI 561496 to 561497. Cuphea tolucana Peyr. LYTHRACEAE

Donated by: Campbell, T.A., USDA-ARS, Forage & Pasture, Bldg. 005, BARC-West, Beltsville, Maryland 20705, United States. Received March 18, 1987.


PI 561498. Cuphea tolucana Peyr. LYTHRACEAE Cuphea

Donated by: Graham, S., Kent State University, Dept. Biological Sciences, Kent, Ohio 44242-0001, United States. Received November 07, 1988.


PI 561499. Cuphea viscosissima Jacq. LYTHRACEAE

Donated by: Roath, W.W., Plant Introduction Station, Iowa State University, Ames, Iowa 50011, United States; and Widrlechner, M.P., Plant Introduction Station, Iowa State University, Ames, Iowa 50011, United States. Received September 28, 1987.
PI 561499-continued


PI 561500 to 561501. Cuphea viscosissima Jacq. LYTHRACEAE

Donated by: Unknown. Received.


PI 561502 to 561504. Cuphea wrightii A. Gray LYTHRACEAE

Donated by: Knapp, S.J., Oregon State University, Department of Crop Science, Corvallis, Oregon 97331, United States. Received March 18, 1987.


PI 561505 to 561511. Cuphea wrightii A. Gray LYTHRACEAE

Donated by: Campbell, T.A., USDA-ARS, Forage & Pasture, Bldg. 005, BARC-West, Beltsville, Maryland 20705, United States. Received March 18, 1987.

PI 561505  

PI 561506  

PI 561507  

PI 561508  

PI 561509  

PI 561510  

PI 561511  

PI 561512. Cuphea wrightii A. Gray LYTHRACEAE Cuphea

Donated by: Graham, S., Kent State University, Dept. Biological Sciences, Kent, Ohio 44242-0001, United States. Received November 07, 1988.

collector: S. Graham.  collector id: Graham 991.  other id: Ames 9965.  source: NC-7.  group: Ames.  locality: Trail to Tepoztlan pyramid at Tepoztlan along footpath in the sunny, open, much disturbed areas.  
elevation: 1600m.  Wild. Seed.

PI 561513. Cuphea wrightii A. Gray LYTHRACEAE

Donated by: Knapp, S.J., Oregon State University, Department of Crop Science, Corvallis, Oregon 97331, United States. Received.
PI 561513-continued

source: Oregon State University Number. other id: WR091.

PI 561514. Pleurophora anomala (A. St. Hil.) Koehne LYTHRACEAE

Donated by: CENARGEN, Brazil. Received.


PI 561515 to 561537. Zea mays L. subsp. mays POACEAE Corn


PI 561523 origin: United States.  
cultivar: AR234.  

PI 561524 origin: United States. 
cultivar: AR240.  

PI 561525 origin: United States. 
cultivar: AR242.  
pedigree: (NC232/Tx501 br2). Self-pollinated for 22+ generations.  

PI 561526 origin: United States. 
cultivar: AR250.  
pedigree: (AKh42/Mol8). Self-pollinated for 20 generations.  

PI 561527 origin: United States. 
cultivar: AR254.  
pedigree: (AKd52/NC234). Self-pollinated for 18 generations.  

PI 561528 origin: United States. 
cultivar: AR258.  
pedigree: (Mol8/NC232). Self-pollinated for 20 generations.  
PI 561529  
**origin:** United States.  **cultivar:** AR266.  **pedigree:**  
(B14/T204D). Self-pollinated for 20 generations.  

PI 561530  
**origin:** United States.  **cultivar:** AR268.  **pedigree:**  
(T232/Tx601D). Self-pollinated for 20 generations.  

PI 561531  
**origin:** United States.  **cultivar:** AR270.  **pedigree:**  
Derived from P.A.G. 120003. Self-pollinated for 20 generations.  

PI 561532  
**origin:** United States.  **cultivar:** AR272.  **pedigree:**  

PI 561533  
**origin:** United States.  **cultivar:** AR276.  **pedigree:**  

PI 561534  
**origin:** United States.  **cultivar:** AR280.  **pedigree:**  
(Ar 224/Tx 441). Self-pollinated for 15+ generations.  

PI 561535  
**origin:** United States.  **cultivar:** AR296.  **pedigree:**  


PI 561538. Medicago sativa L. FABACEAE Alfalfa

Donated by: Cash, S.D., Dept. of Plant & Soil Science, 317 Leon Johnson Hall, MSU, Bozeman, Montana 59717, United States. remarks: Mede Alfalfa. Received June 06, 1992.

origin: United States. developed: S.D. Cash, J.L. Ohlinger, M.H. McCaslin. origin institute: VISTA Research, P.O. Box 1428, Woodland, California 95695 United States. cultivar: MEDE. pedigree: Synthetic with 328 parent plants. GP sources were: 3% M. falcata, 4% Ladak, 10% M. varia, 11% Turkistan, 43% Flemish, 10% Chilean, 1% Peruvian, 4% Indian, 7% African, 7% Unknown. other id: CV-174. group: CSR-ALFALFA. other id: W6 10526. group: W6. restricted: CSR. remarks: Fall dormancy similar to 'DuPuits.' Resistant to Fusarium oxysporum f.sp. medicaginis, Therioaphis maculata, Acyrthosiphon kondoi, Colletotrichum trifolii Race 1, Phytophthora medicaginis, A. pisum, Clavibacter michiganese subsp. insidiosum, and Verticillium albo-atrum. Perennial. Cultivar. Seed.

PI 561539. Medicago sativa L. FABACEAE Alfalfa

PI 561539-continued

origin: United States. developed: S.D. Cash. origin institute: VISTA Research, P.O. Box 1428, Woodland, California 95695 United States. cultivar: EXPRESS. pedigree: Synthetic with 280 parent plants. GP sources were: 1% M. falcata, 2% Ladak, 10% M. varia, 11% Turkistan, 39% Flemish, 13% Chilean, 1% Peruvian, 5% Indian, 9% African, 9% Unknown. other id: CV-175. group: CSR-ALFALFA. other id: W6 10527. group: W6. restricted: CSR. remarks: Fall dormancy similar to Lahontan. Resistant to Phytophthora medicaginis, Colletotrichum trifolii Race 1, Verticillium albo-astrum, Therioaphis maculata, Fusarium oxysporum f.sp. medicaginis, Acrystosiphon pism, A. kondoi, Ditylenchus dipsaci, and Clavibacter michiganense subsp. insidiosum. Perennial. Cultivar. Seed.

PI 561540. Medicago sativa L. FABACEAE Alfalfa


origin: United States. developed: S.D. Cash. origin institute: VISTA Research, P.O. Box 1428, Woodland, California 95695 United States. cultivar: DK 189. pedigree: Synthetic with 370 parent plants. GP sources were: 1% M. falcata, 1% Ladak, 3% M. varia, 17% Turkistan, 1% Flemish, 7% Chilean, 12% Peruvian, 20% Indian, 35% African, 3% Unknown. other id: CV-176. group: CSR-ALFALFA. other id: W6 10528. group: W6. restricted: CSR. remarks: Fall dormancy similar to Moapa 69. Resistant to Colletotrichum trifolii Race 1, Verticillium albo-astrum, Fusarium oxysporum f.sp. medicaginis, Therioaphis maculata, Phytophthora medicaginis, Acrystosiphon pism, A. kondoi, Ditylenchus dipsaci, and Clavibacter michiganense subsp. insidiosum. Perennial. Cultivar. Seed.

PI 561541. Medicago sativa L. FABACEAE Alfalfa

PI 561541-continued

origin: United States. developed: S.D. Cash, D.E. Brown, M.H. McCaslin. origin institute: VISTA Research, P.O. Box 1428, Woodland, California 95695 United States. cultivar: JEWEL. pedigree: Synthetic with 56 parent plants. GP sources were: 4% M. falcata, 6% Ladak, 26% M. varia, 3% Turkistan, 55% Flemish, 6% Chilean. other id: CV-177. group: CSR-ALFALFA. other id: W6 10529. group: W6. restricted: CSR. remarks: Fall dormancy similar to 'Saranac.' Resistant to Clavibacter michiganense subsp. insidiosum, Verticillium albo-atrum, Colletotrichum trifolii Race 1, Phytophthora medicaginis, Aphanomyces euteiches, Leptosphaerulina briosiana, Therioaphis maculata, and Fusarium oxysporum f.sp. medicaginis. Approx. 85% of plants express multifoliolate character during late summer flowering. Perennial. Cultivar. Seed.

PI 561542. Medicago sativa L. FABACEAE Alfalfa


origin: United States. developed: S.D. Cash, D.E. Brown, M.H. McCaslin. origin institute: VISTA Research, P.O. Box 1428, Woodland, California 95695 United States. cultivar: ALFALEAF. pedigree: Synthetic with 215 parent plants. GP sources were 5% M. falcata, 4% Ladak, 26% M. varia, 3% Turkistan, 56% Flemish, 6% Chilean. other id: CV-178. group: CSR-ALFALFA. other id: W6 10530. group: W6. restricted: CSR. remarks: Fall dormancy similar to 'Saranac.' Resistant to Clavibacter michiganense subsp. insidiosum, Verticillium albo-atrum, Colletotrichum trifolii Race 1, Phytophthora medicaginis, Aphanomyces euteiches, Leptosphaerulina briosiana, Therioaphis maculata, and Fusarium oxysporum f.sp. medicaginis. Approx. 79% of plants express multifoliolate character during late summer flowering. Perennial. Cultivar. Seed.

PI 561543 to 561544. Ipomoea trifida (Kunth) G.Don CONVOLVULACEAE

Donated by: de la Puente, F., CIP, P.O. Box 5969, Lima, Peru. Received May 28, 1992.


PI 561545 to 561546. Ipomoea peruviana O'Don. CONVOLVULACEAE

**Donated by:** de la Puente, F., CIP, P.O. Box 5969, Lima, Peru. Received May 28, 1992.

PI 561545  **donor id:** CIP 460126.  **origin:** UNKNOWN. Cultivated. Seed.

PI 561546  **donor id:** CIP 460130.  **origin:** UNKNOWN. Cultivated. Seed.

PI 561547 to 561548. Ipomoea trifida (Kunth) G.Don CONVOLVULACEAE

**Donated by:** de la Puente, F., CIP, P.O. Box 5969, Lima, Peru. Received May 28, 1992.

PI 561547  **donor id:** CIP 460186.  **origin:** Guatemala. Cultivated. Seed.

PI 561548  **donor id:** CIP 460187.  **origin:** Guatemala. Cultivated. Seed.

PI 561549 to 561550. Ipomoea x grandifolia (Dammer) O'Don. CONVOLVULACEAE

**Donated by:** de la Puente, F., CIP, P.O. Box 5969, Lima, Peru. Received May 28, 1992.

PI 561549  **donor id:** CIP 460189.  **origin:** UNKNOWN. Cultivated. Seed.

PI 561550  **donor id:** CIP 460190.  **origin:** UNKNOWN. Cultivated. Seed.

PI 561551. Ipomoea eriocarpa R.Br. CONVOLVULACEAE

**Donated by:** Johnson, B., Queensland Herbarium, Meires Road, Indooroopilly, Australia. Received May 28, 1992.

  **donor id:** J 50.  **origin:** Australia. Cultivated. Seed.

PI 561552. Ipomoea hederifolia L. CONVOLVULACEAE

**Donated by:** Johnson, B., Queensland Herbarium, Meires Road, Indooroopilly, Australia. Received May 28, 1992.

  **donor id:** J 76.  **origin:** Australia. Cultivated. Seed.
PI 561553. Ipomoea nil (L.) Roth  CONVOLVULACEAE

**Donated by:**  Johnson, B., Queensland Herbarium, Meires Road, Indooroopilly, Australia.  Received May 28, 1992.

  **donor id:**  J 185.  **origin:**  Australia.  Cultivated.  Seed.

PI 561554. Ipomoea triloba L.  CONVOLVULACEAE

**Donated by:**  Johnson, B., Queensland Herbarium, Meires Road, Indooroopilly, Australia.  Received May 28, 1992.

  **donor id:**  J 217.  **origin:**  Australia.  **restricted:**  WEED.  Cultivated.  Seed.

PI 561555. Ipomoea quamoclit L.  CONVOLVULACEAE

**Donated by:**  Johnson, B., Queensland Herbarium, Meires Road, Indooroopilly, Australia.  Received May 28, 1992.

  **origin:**  Australia.  Cultivated.  Seed.

PI 561556. Ipomoea cairica (L.) Sweet  CONVOLVULACEAE

**Donated by:**  Nagata, K., USDA-APHIS-PPQ, P.O. Box 2549, Kailua - Kona, Hawaii  96745, United States.  Received May 28, 1992.

  **origin:**  United States.  **locality:**  Behind Koele, Lanai.  
  **elevation:**  517m.  Wild.  Seed.

PI 561557. Ipomoea umbraticola House  CONVOLVULACEAE

**Donated by:**  McDonald, A., Botany Department, University of Texas, Austin, Texas, United States.  Received May 28, 1992.

  **donor id:**  McDonald 1989.  **origin:**  Mexico.  Cultivated.  Seed.

PI 561558. Ipomoea batatas (L.) Lam.  CONVOLVULACEAE  Sweet potato

**Donated by:**  McDonald, A., Botany Department, University of Texas, Austin, Texas, United States.  Received May 28, 1992.

  *Ipomoea batatas (L.) Lam. var. batatas  CONVOLVULACEAE  Sweet potato
  **donor id:**  McDonald 1310.  **origin:**  Mexico.  **locality:**  Behind "Vivero Caracol", N of Cd., Tamaulipas.  
  Cultivated.  Seed.
PI 561559. Ipomoea lacunosa L. CONVOLVULACEAE

Donated by: Jones, A., Agricultural Research Service -- USDA, US Vegetable Lab, Old Savannah Highway, Charleston, South Carolina, United States. Received May 28, 1992.


PI 561560. Holodiscus discolor (Pursh) Maxim. ROSACEAE


PI 561561. Holodiscus discolor (Pursh) Maxim. ROSACEAE

Donated by: Borman, Dan, Deer Harbor, Washington, United States. Received March 27, 1992.


PI 561562. Holodiscus dumosus (Nutt.) A. A. Heller ROSACEAE


PI 561563. Gaylussacia baccata (Wang.) K. Koch ERICACEAE Huckleberry

PI 561563-continued


PI 561564. Gaylussacia baccata (Wang.) K. Koch ERICACEAE Huckleberry

Donated by: Hummer, K.E., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received July 25, 1991.


PI 561565. Zea mays L. subsp. mays POACEAE Corn

Donated by: Hallauer, A.R., Iowa Agric. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50011, United States; and Agricultural Research Service -- USDA. remarks: No Certificate Requested. Received January 24, 1992.

PI 561566 to 561568. Arachis hypogaea L. FABACEAE Peanut

Donated by: Coffelt, T.A., Agricultural Research Service -- USDA, P.O. Box 7099, Suffolk, Virginia 23437, United States. Received June 11, 1992.


PI 561569. Trifolium incarnatum L. FABACEAE Crimson clover

Donated by: Pratt, R.G., Agricultural Research Service -- USDA, Forage Research Unit, Mississippi State, Mississippi 39762, United States; and Mississippi Agr. and Forestry Exp. Sta.. remarks: MSFWRC Crimson Clover Germplasm. Received June 15, 1992.
PI 561569-continued

origin institute: Agricultural Research Service -- USDA, Forage Research Unit, P.O. Box 5367, Mississippi State, Mississippi 39762 United States. cultivar: MSFWRC. 
pedigree: Second generation synthetic from a polycross of 18 half-sib families from a polycross of 94 S4 lines selected for resistance to Fusarium wilt. All inbred lines derived from 3 SO plants of Tibbee. other id: GP-1. group: CSR-CLOVER, CRIMSON. restricted: CSR. remarks: First germplasm of crimson clover developed with a high level of resistance to Fusarium wilt (Fusarium oxysporum). All 18 families used manifested high levels of resistance to Fusarium wilt in comparison to Tibbee and five other cultivars in repeated tests. Spring Annual. Breeding Material. Seed.

PI 561570 to 561575. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Kilen, T.C., Agricultural Research Service -- USDA, P.O. Box 196, Stoneville, Mississippi 38776, United States; and Mississippi Agr. and Forestry Exp. Sta.. remarks: Six Soybean Germplasms. Received June 15, 1992.

PI 561570 origin: United States. developed: T.C. Kilen, L. Lambert. origin institute: Agricultural Research Service -- USDA, P.O. Box 196, Stoneville, Mississippi 38776 United States. cultivar: D88-5328. pedigree: Tracy-M7 X D62-7812(D49-24917 X PI 200532). other id: GP-149. group: CSR-SOYBEAN. restricted: CSR. remarks: One of six lines released to provide germplasm for entomologists and geneticists to more precisely define the role of pubescence in soybean plants' response to foliar-feeding insects. Near-isogenic for glabrous traits. All other observable traits are the same as the recurrent parent Tracy-M. Spring Annual. Breeding Material. Seed.

PI 561571 origin: United States. developed: T.C. Kilen, L. Lambert. origin institute: Agricultural Research Service -- USDA, P.O. Box 196, Stoneville, Mississippi 38776 United States. cultivar: D88-5320. pedigree: Davis7 X D62-7812(D49-24917 X PI 200532). other id: GP-148. group: CSR-SOYBEAN. restricted: CSR. remarks: One of six lines released to provide germplasm for entomologists and soybean geneticists to more precisely define the role of pubescence in soybean plants' response to foliar-feeding insects. Near-isogenic for glabrous traits. All other observable traits are the same as the recurrent parent Davis. Spring Annual. Breeding Material. Seed.
PI 561572 origin: United States. developed: T.C. Kilen, L. Lambert. origin institute: Agricultural Research Service -- USDA, P.O. Box 196, Stoneville, Mississippi 38776 United States. cultivar: D90-9220. pedigree: D75-101696 X D62-7820(D49-24914 X Majos). other id: GP-151. group: CSR-SOYBEAN. restricted: CSR. remarks: One of six lines released to provide germplasm for entomologists and geneticists to more precisely define the role of pubescence in soybean plants' response to foliar-feeding insects. Near-isogenic for dense pubescence. All other observable traits are the same as the recurrent parent D75-10169. Spring Annual. Breeding Material. Seed.

PI 561573 origin: United States. developed: T.C. Kilen, L. Lambert. origin institute: Agricultural Research Service -- USDA, P.O. Box 196, Stoneville, Mississippi 38776 United States. cultivar: D90-9216. pedigree: D75-101696 X D62-7812(D49-24917 X PI 200532). other id: GP-150. group: CSR-SOYBEAN. restricted: CSR. remarks: One of six lines released to provide germplasm for entomologists and geneticists to more precisely define the role of pubescence in soybean plants' response to foliar-feeding insects. Near-isogenic for glabrous traits. All other observable traits are the same as the recurrent parent D75-10169. Spring Annual. Breeding Material. Seed.

PI 561574 origin: United States. developed: T.C. Kilen, L. Lambert. origin institute: Agricultural Research Service -- USDA, P.O. Box 196, Stoneville, Mississippi 38776 United States. cultivar: D88-5295. pedigree: Davis7 X D62-7620(D49-24914 X Majos). other id: GP-147. group: CSR-SOYBEAN. restricted: CSR. remarks: One of six lines released to provide germplasm for entomologists and geneticists to more precisely define the role of pubescence in soybean plants' response to foliar-feeding insects. Near-isogenic for dense pubescence. All other observable traits are the same as the recurrent parent Davis. Spring Annual. Breeding Material. Seed.

PI 561575 origin: United States. developed: T.C. Kilen, L. Lambert. origin institute: Agricultural Research Service -- USDA, P.O. Box 196, Stoneville, Mississippi 38776 United States. cultivar: D88-5272. pedigree: Tracy-M7 X D62-7820(D49-24914 X Majos). other id: GP-146. group: CSR-SOYBEAN. restricted: CSR. remarks: One of six soybean lines released to provide germplasm for entomologists and soybean geneticists to more precisely define the role of pubescence in soybean plants' response to foliar-feeding insects. Near-isogenic for dense pubescence. All other observable traits are the same as the recurrent parent Tracy-M. Spring Annual. Breeding Material. Seed.
PI 561576. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: FFR Cooperative, United States. Received June 15, 1992.


PI 561577. Phaseolus vulgaris L. FABACEAE Field bean


PI 561578. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Helena Chemical Company, United States; and d/b/a/ Hyperformer Seed Company, United States. Received June 15, 1992.


PI 561579. Gossypium hirsutum L. MALVACEAE Cotton


PI 561580. Gossypium hirsutum L. MALVACEAE Cotton


Donated by: Asgrow Seed Company, United States. Received June 15, 1992.


PI 561586. Glycine max (L.) Merr. FABACEAE Soybean


PI 561587. Phaseolus vulgaris L. FABACEAE Garden bean

Donated by: Asgrow Seed Company, United States. Received June 15, 1992.


PI 561588. Phaseolus vulgaris L. FABACEAE Garden bean

Donated by: Asgrow Seed Company, United States. Received June 15, 1992.


PI 561589. Glycine max (L.) Merr. FABACEAE Soybean


PI 561590. Phaseolus vulgaris L. FABACEAE Garden bean

Donated by: Del Monte Corporation, United States. Received June 15, 1992.

PI 561591. Phaseolus vulgaris L. FABACEAE Garden bean

**Donated by:** Del Monte Corporation, United States. Received June 15, 1992.


PI 561592. Phaseolus vulgaris L. FABACEAE Garden bean

**Donated by:** Del Monte Corporation, United States. Received June 15, 1992.


PI 561593. Lolium perenne L. POACEAE Perennial ryegrass

**Donated by:** Pure-Seed Testing, Inc., United States. Received June 15, 1992.


PI 561594. Carica papaya L. CARICACEAE Papaya

**Donated by:** City of San Antonio, Texas, United States. Received June 15, 1992.


PI 561595. Carica papaya L. CARICACEAE Papaya

**Donated by:** City of San Antonio, Texas, United States. Received June 15, 1992.

PI 561596. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Jacob Hartz Seed Company, Inc., United States. Received June 15, 1992.


PI 561597. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Jacob Hartz Seed Company, Inc., United States. Received June 15, 1992.


PI 561598. Lactuca sativa L. ASTERACEAE Lettuce


PI 561599. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Jacob Hartz Seed Company, Inc., United States. Received June 15, 1992.


PI 561600 to 561618. Zea mays L. subsp. mays POACEAE Corn


PI 561605  
**origin**: Cameroon.  
**developed**: L.A. Everett.  
**origin institute**: IITA-NCRE Project, IRA Bambui Station, Bamenda Cameroon.  
**cultivar**: 90183.  
**pedigree**: SynA1/87014.  
**locality**: African tropical midaltitudes (1000-1500m altitude, 6 deg. N latitude).  

PI 561606  
**origin**: Cameroon.  
**developed**: L.A. Everett.  
**origin institute**: IITA-NCRE Project, IRA Bambui Station, Bamenda Cameroon.  
**cultivar**: 90188.  
**pedigree**: SynA1/87014.  
**locality**: African tropical midaltitudes (1000-1500m altitude, 6 deg. N latitude).  

PI 561607  
**origin**: Cameroon.  
**developed**: L.A. Everett.  
**origin institute**: IITA-NCRE Project, IRA Bambui Station, Bamenda Cameroon.  
**cultivar**: 90204.  
**pedigree**: SynA1/87014.  
**locality**: African tropical midaltitudes (1000-1500m altitude, 6 deg. N latitude).  

PI 561608  
**origin**: Cameroon.  
**developed**: L.A. Everett.  
**origin institute**: IITA-NCRE Project, IRA Bambui Station, Bamenda Cameroon.  
**cultivar**: 90219.  
**pedigree**: SynA1/87014.  
**locality**: African tropical midaltitudes (1000-1500m altitude, 6 deg. N latitude).  

PI 561609  
**origin**: Cameroon.  
**developed**: L.A. Everett.  
**origin institute**: IITA-NCRE Project, IRA Bambui Station, Bamenda Cameroon.  
**cultivar**: 90220.  
**pedigree**: SynA1/87014.  
**locality**: African tropical midaltitudes (1000-1500m altitude, 6 deg. N latitude).  
PI 561610  
**origin:** Cameroon.  **developed:** L.A. Everett.  **origin institute:** IITA-NCRE Project, IRA Bambui Station, Bamenda Cameroon.  **cultivar:** 90263.  **pedigree:** SynA1/87036.  
**locality:** African tropical midaltitudes (1000-1500m altitude, 6 deg. N latitude).  **remarks:** White flint tropical midaltitude inbred. Disease scores 1-9, where 1 = most resistant: Exserohilum turcicum = 2, Cercospora zeae-maydis = 4, Physoderma maydis = 4, Maize streak virus = 2. Spring Annual. Breeding Material. Seed.

PI 561611  
**origin:** Cameroon.  **developed:** L.A. Everett.  **origin institute:** IITA-NCRE Project, IRA Bambui Station, Bamenda Cameroon.  **cultivar:** 90267.  **pedigree:** SynA1/87036.  

PI 561612  
**origin:** Cameroon.  **developed:** L.A. Everett.  **origin institute:** IITA-NCRE Project, IRA Bambui Station, Bamenda Cameroon.  **cultivar:** 89320.  **pedigree:** M131/S62.  

PI 561613  
**origin:** Cameroon.  **developed:** L.A. Everett.  **origin institute:** IITA-NCRE Project, IRA Bambui Station, Bamenda Cameroon.  **cultivar:** 90301.  **pedigree:** SynB1/87036.  

PI 561614  
**origin:** Cameroon.  **developed:** L.A. Everett.  **origin institute:** IITA-NCRE Project, IRA Bambui Station, Bamenda Cameroon.  **cultivar:** 90313.  **pedigree:** SynB1/87036.  
PI 561615  origin: Cameroon. developed: L.A. Everett. origin
institute: IITA-NCRE Project, IRA Bambui Station, Bamenda
Cameroon.  cultivar: 90323. pedigree: SynBl/87036.
locality: African tropical midaltitudes (1000-1500m
altitude, 6 deg. N latitude). remarks: White flint/dent
tropical midaltitude inbred. Disease scores 1-9, where 1
= most resistant: Exserohilum turricicum = 3, Cercospora
zeae-maydis = 3, Physoderma maydis = 3, Maize streak

PI 561616  origin: Cameroon. developed: L.A. Everett. origin
institute: IITA-NCRE Project, IRA Bambui Station, Bamenda
Cameroon.  cultivar: 90332. pedigree: SynBl/87036.
locality: African tropical midaltitudes (1000-1500m
altitude, 6 deg. N latitude). remarks: White flint/dent
tropical midaltitude inbred. Disease scores 1-9, where 1
= most resistant: Exserohilum turricicum = 3, Cercospora
zeae-maydis = 2, Physoderma maydis = 2, Maize streak

PI 561617  origin: Cameroon. developed: L.A. Everett. origin
institute: IITA-NCRE Project, IRA Bambui Station, Bamenda
Cameroon.  cultivar: 89343. pedigree: S85/C70.
locality: African tropical midaltitudes (1000-1500m
altitude, 6 deg. N latitude). remarks: White flint/dent
tropical midaltitude inbred. Disease scores 1-9, where 1
= most resistant: Exserohilum turricicum = 4, Cercospora
zeae-maydis = 2, Physoderma maydis = 2, Maize streak

PI 561618  origin: Cameroon. developed: L.A. Everett. origin
institute: IITA-NCRE Project, IRA Bambui Station, Bamenda
Cameroon.  cultivar: 89365. pedigree: S85/C70.
locality: African tropical midaltitudes (1000-1500m
altitude, 6 deg. N latitude). remarks: White flint/dent
tropical midaltitude inbred. Disease scores 1-9, where 1
= most resistant: Exserohilum turricicum = 2, Cercospora
zeae-maydis = 2, Physoderma maydis = 2, Maize streak

PI 561619. Pennisetum glaucum (L.) R. Br. POACEAE Pearl millet

Donated by: Hanna, W.W., Agricultural Research Service -- USDA,
University of Georgia, Tifton, Georgia 31793, United States; and
Georgia Coastal Plain Exp. Station. remarks: Tift 89D2 Pearl Millet
Parental Line. Received October 13, 1992.
PI 561619-continued

origin: United States. developed: W.W. Hanna, H.D. Wells. origin institute: Agricultural Research Service -- USDA, University of Georgia, Tifton, Georgia 31793 United States. cultivar: TIFT 89D2. pedigree: Tift 23DB/rust resistant plant in variety 'SeFa' from Senegal. other id: PL-19. group: CSR-MILLET, PEARL. restricted: CSR. remarks: Highly resistant to rust (Puccinia substriata var. indica). Resistance expressed as small flecks appearing about 8 days after infection and only a low percentage of flecks develop small sporulating pustules after 12 to 14 days. Resistance appears to be dominant and controlled by more than one locus. Plants flower 64 to 68 days after planting. Plants average 4.4 and 3.2 feet tall, planted June 13 and July 18, respectively. Seeds brownish-gray in color. Spring Annual. Cultivar. Seed.

PI 561620 to 561623. Zea mays L. subsp. mays POACEAE Corn


PI 561620 to 561623-continued

PI 561621  origin: Cameroon. developed: L.A. Everett. origin institute: IITA-NCRE Project, IRA Bambui Station, Bamenda Cameroon. cultivar: EARLY WHITE POPULATION. pedigree: 50% midaltitude reselected CIMMYT Subtropical Population 34, and 50% early S3 lines from population MSR. Maintained in ear to row isolation recombination/selection. other id: IB91B-C8-901. locality: African tropical midaltitudes (1000-1500m altitude, 6 deg. N latitude). remarks: Early maturing, white flint grained, tropical midaltitude (1000-1400m) population. Moderately resistant to Exserohilum turcicum, Puccinia sorghi, and maize streak virus. Short statured and lodging resistant. Formed and improved in Western Highlands (1000-1300m altitude sites) of Cameroon. Spring Annual. Breeding Material. Seed.


PI 561624 to 561654. Solanum tuberosum L. SOLANACEAE White potato

Donated by: Bamberg, John, USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin 54235, United States. Received July 16, 1991.

* PI 561624  
Solanum ochranthum Dunal SOLANACEAE White potato  
origin: Ecuador.  
collector: D.M. Spooner, R. Castillo T., L.E. Lopez J.  
collector id: SCLp 5000.  
other id: Q 28468.  
locality: Calacali. 2 km by road north and then turning south of Calacali, near Finca Yacucucho.  
latitude: 00 deg. 02 min. N.  
longitude: 78 deg. 30 min. W.  
elevation: 2980m.  

* PI 561625  
Solanum colombianum Dunal SOLANACEAE White potato  
origin: Ecuador.  
collector: D.M. Spooner, R. Castillo T., L.E. Lopez J.  
collector id: SCLp 5004.  
other id: Q 28469.  
locality: Nevado Cayambe. By trail on west end of Laguna San Marcos, near south end of lake.  
latitude: 00 deg. 08 min. N.  
longitude: 77 deg. 58 min. W.  
elevation: 3450m.  

* PI 561626  
Solanum colombianum Dunal SOLANACEAE White potato  
origin: Ecuador.  
collector: D.M. Spooner, R. Castillo T., L.E. Lopez J.  
collector id: SCLp 5005.  
other id: Q 28470.  
locality: Nevado Cayambe. Canton Pedro Maoncayo, 4.1 km west of guardhouse at south end of Laguna San Marcos.  
latitude: 00 deg. 07 min. N.  
longitude: 77 deg. 58 min. W.  
elevation: 3680m.  

* PI 561627  
Solanum colombianum Dunal SOLANACEAE White potato  
origin: Ecuador.  
collector: D.M. Spooner, R. Castillo T., L.E. Lopez J.  
collector id: SCLp 5006.  
other id: Q 28471.  
locality: Nevado Cayambe. By road at south end of Laguna San Marcos.  
latitude: 00 deg. 08 min. S.  
longitude: 77 deg. 58 min. W.  
elevation: 3450m.  
PI 561628 Solanum tuquerrense Hawkes SOLANACEAE White potato

* PI 561629 Solanum ochranthum Dunal SOLANACEAE White potato

* PI 561630 Solanum juglandifolium Dunal SOLANACEAE White potato

* PI 561631 Solanum tuquerrense Hawkes SOLANACEAE White potato
PI 561624 to 561654—continued

* PI 561632
Solanum tuquerrense Hawkes SOLANACEAE White potato
collector id: SCLp 5023. other id: BE-3520. other id: Q 28479.
locality: Nono. Mount Pichincha, on road to antennas, on west side of Quito, about antenna cluster. latitude: 00 deg. 10 min. S. longitude: 78 deg. 32 min. W.

* PI 561633
Solanum colombianum Dunal SOLANACEAE White potato
collector id: SCLp 5025. other id: BE-3520. other id: Q 28480.
locality: Quito. 15.5 km west of Lloa, in Quebrede de Palma, on north side of road. latitude: 00 deg. 12 min. S. longitude: 78 deg. 38 min. W.
elevation: 2720m. remarks: In open sun, in moist soil among grasses, Calceolaria, Solanum nigrum, Gunnera, Chusquea. Leaves pub. above, not shiny, with 4–5 laterals and interjected leaflets. Corolla small, white, rotate pentagonal. Fruits long-conical, 43 fruits collected from 5 plants. Wild. Seed.

* PI 561634
Solanum juglandifolium Dunal SOLANACEAE White potato
collector id: SCLp 5029. other id: BE-3520. other id: Q 28481.
locality: Manuel Cornejo A. Along south side of new road from Quito-Santo Domingo de Los Colorados. 1.5 km northwest of crossing with Rio Corazon. latitude: 00 deg. 27 min. S. longitude: 78 deg. 46 min. W.

* PI 561635
Solanum albornozii Correll SOLANACEAE White potato
collector id: SCLp 5030. other id: BE-3520. other id: Q 28482.
locality: Catamayo. 300–500 m south of old road from Loja-Catamayo, about 2 km west of junction with dirt road to Duraznillo (at site of shrine by road). latitude: 04 deg. 00 min. S. longitude: 79 deg. 17 min. W.
elevation: 2350m. remarks: Among bushes and in open sun along stream. Topotype collection (collected in same area as the type specimen) of S. albornozii. Corolla white, rotate-stellate. Fruits maturing to mature. 100 fruits collected from 10 plants. Wild. Seed.
* PI 561636 Solanum albornozii Correll SOLANACEAE White potato
locality: Catamayo. On old road from Loja to Catamayo, on south slope of Cerro Villonaco, at junction of dirt road to Duraznillo. latitude: 04 deg. 00 min. S. longitude: 70 deg. 16 min. W. elevation: 2630m. remarks: Under shrubs along stream. Corolla white, rotate-stellate. Fruits maturing to mature. 100 fruits collected from 8 plants. Wild. Seed.

* PI 561637 Solanum albornozii Correll SOLANACEAE White potato
locality: Catamayo. 3.6 km southwest (on way to Loja), of junction of old Loja-Catamayo road and dirt road to Duraznillo, on slope facing (to west) of Loja. latitude: 04 deg. 00 min. S. longitude: 79 deg. 15 min. W. elevation: 2610m. remarks: On slope among bushes. Corolla white, rotate-stellate. Fruits maturing to mature. Wild. Seed.

* PI 561638 Solanum juglandifolium Dunal SOLANACEAE White potato
locality: Loja Norte. 8.9 km west of Sabanillas on old road to Loja, 2.5 km west of divergence of old and new roads. latitude: 03 deg. 58 min. S. longitude: 79 deg. 05 min. W. elevation: 2200m. remarks: Growing over bushes. Fruits abundant, mature. Wild. Seed.

* PI 561639 Solanum ochranthum Dunal SOLANACEAE White potato
locality: Santiago. On new road from Loja-Cuenca, 7.8 km north of bridge in Santiago. latitude: 03 deg. 42 min. S. longitude: 79 deg. 17 min. W. elevation: 2400m. remarks: Growing on rocky cliffs. Note: Because the map used does not have the new road drawn, the coordinates are approximate. Fruits maturing to mature. Wild. Seed.
* PI 561640 Solanum colombianum Dunal SOLANACEAE White potato

* PI 561641 Solanum colombianum Dunal SOLANACEAE White potato

* PI 561642 Solanum acaule Bitter subsp. acaule SOLANACEAE White potato

* PI 561643 Solanum paucijugum Bitter SOLANACEAE White potato
PI 561624 to 561654—continued

* PI 561644  Solanum paucijugum Bitter  SOLANACEAE  White potato
collector id:  SCLp 5094.  other id:  Q 28504.  locality:  Cotopaxi.  In Parque
Nacional Cotopaxi, on north side of park road, 0.8 km east of northernmost park control station off of
Quito-Latacunga Road.  latitude:  00 deg. 36 min. S. longitude:  78 deg. 40 min. W.  elevation:  3460m.
remarks:  Growing in pine plantation.  Note:  latitude & longitude approximate as Latacunga topographic map

* PI 561645  Solanum paucijugum Bitter  SOLANACEAE  White potato
collector id:  SCLp 5097.  other id:  Q 28508.  locality:  Cotopaxi.  In parque
Nacional Cotopaxi, at KM 6, about 200m north of Rio Daule on park road to Mariscal Sucre.  latitude:  00 deg. 40
min. S. longitude:  78 deg. 39 min. W.  elevation:  3350m.
remarks:  Growing in pine plantation.  Corolla blue, rotate.  Fruits maturing to mature.  25 fruits collected
from 8 plants.  Wild.  Seed.

* PI 561646  Solanum tuquerrense Hawkes  SOLANACEAE  White potato
collector id:  SCLp 5111.  other id:  Q 28513.  locality:  San Pablo del Lago.  At Curiquinque, about 6 km
(by air) east-southeast of Ibarra, 17.0 km from main road from Ibarra to Tulcan at El Olivo (on road that passes
Yuracruz).  latitude:  00 deg. 20 min. N. longitude:  78 deg. 04 min. W.  elevation:  3450m.

* PI 561647  Solanum tuquerrense Hawkes  SOLANACEAE  White potato
collector id:  SCLp 5119.  other id:  Q 28515.  locality:  Papallacta.  Along old Quito-Baeza Road, 4.9 km
east of statue of Virgin at crest of Sierra, 9.5 km west of police control station at Papallacta.  elevation:
* PI 561648  Solanum andreamum Baker  SOLANACEAE  White potato  
locality: Cosanga. About 2 hr. walk west of Baeza-Tena Road, south of Rio Bermejo, on farm of Jose Guaranda Guambi in Nueva Andalucia de Bermejo.  latitude: 00 deg. 32 min. S.  longitude: 77 deg. 55 min. W.  elevation: 2100m.  remarks: Growing in pasture in recently cut forest. Corolla purple, rotate-pentagonal. Fruits maturing to mature, ovoid. 60 fruits collected from 10 plants. Wild. Seed.

* PI 561649  Solanum andreamum Baker  SOLANACEAE  White potato  
locality: Baeza. About trail to antennas on south side of Baeza, about 1 km (by air) south-southwest of center of town.  latitude: 00 deg. 27 min. S.  longitude: 77 deg. 53 min. W.  elevation: 2220m.  remarks: Growing in grassy pasture and under shade of trees. Corolla purple, rotate-pentagonal. Fruits maturing to mature, ovoid. 75 fruits collected from 15 plants. Wild. Seed.

* PI 561650  Solanum paucijugum Bitter  SOLANACEAE  White potato  
locality: Macachi. In Parque Nacional Cotopaxi, 10.5 km east of Proyecto Llamas Station on road to Refugio Cotopaxi, 0.4 km west of Centro Administrativo Mariscal Sucre.  latitude: 00 deg. 39 min. S.  longitude: 78 deg. 30 min. W.  elevation: 3610m.  remarks: Scattered in duff of pine plantation. Corolla blue, rotate. Fruits maturing to mature. 15 fruits collected from 5 plants. Wild. Seed.

* PI 561651  Solanum paucijugum Bitter  SOLANACEAE  White potato  
PI 561624 to 561654-continued

* PI 561652 Solanum colombianum Dunal SOLANACEAE White potato
origin: Ecuador. collected: June 10, 1991. collector:
D.M. Spooner, R. Castillo T., L.E. Lopez J.. collector
id: SCLp 5135. other id: BE-3520. other id: Q 28522.
locality: Banos. 1 km south of end of new stone road to
Runtun, which ends 12.0 km from main east-west road
through Banos. latitude: 01 deg. 26 min. S. longitude:
78 deg. 25 min. W. elevation: 3200m. remarks: Growing
at edges of cleared forest. Corolla white, rotate-

* PI 561653 Solanum colombianum Dunal SOLANACEAE White potato
origin: Ecuador. collected: June 16, 1991. collector:
D.M. Spooner, R. Castillo T., L.E. Lopez J.. collector
id: SCLp 5140. other id: BE-3520. other id: Q 28524.
locality: Juncal. In Quebrada Talamquera, just south of
Cerro Torre, north of San Antonio, on road from
Guayaquil-Canar. latitude: 02 deg. 28 min. S. longitude:
78 deg. 56 min. W. elevation: 3500m. remarks: Growing
in mucky soil in shade of cliff with
water running down it. Corolla pale blue. Fruits conical,
maturing to mature. Wild. Seed.

* PI 561654 Solanum paucijugum Bitter SOLANACEAE White potato
origin: Ecuador. collected: June 19, 1991. collector:
D.M. Spooner, R. Castillo T., L.E. Lopez J.. collector
id: SCLp 5151. other id: BE-3520. other id: Q 28527.
locality: Palmira. 36 km from Guamote main north-south
road on road to Atillo. latitude: 02 deg. 05 min. S.
longitude: 78 deg. 37 min. W. elevation: 3600m.
remarks: Growing among Stipa itchu grassland and among
bushes. Stems low growing. Corolla blue, rotate, Fruits
round to short- conical, abundant. Wild. Seed.

PI 561655 to 561663. Solanum sp. SOLANACEAE Potato

Donated by: Bamberg, John, USDA-ARS, Peninsula Experiment Station,
Sturgeon Bay, Wisconsin 54235, United States. Received August 12,

* PI 561655 Solanum ochranthum Dunal SOLANACEAE Potato
donor id: SCLp 5043. origin: Ecuador. collected: May
05, 1991. collector: D.M. Spooner, R. Castillo T., L.E.
Lopez J.. collector id: SCLp 5043. other id: BE-3569.
other id: Q 28574. locality: Santiago. Growing under
bridge, 9.1 km north of bridge in Santiago on new road
from Loja-Cuenca. latitude: 03 deg. 41 min. S.
longitude: 79 deg. 17 min. W. elevation: 2440m.
remarks: Growing on rocky cliff. Note: Because the map
used does not have the new road drawn, the coordinates
are approximate. Fruits maturing to mature. Wild. Seed.
PI 561655 to 561663-continued

* PI 561656  
Solanum ochranthum Dunal  
SOLANACEAE Potato  

donor id: SCLp 5109.  
origin: Ecuador.  
collector id: SCLp 5109.  
other id: BE-3569.  
other id: Q 28588.  
locality: San Pablo del Lago. Along stream in Quebrada de Chilca, about 3 km southeast of La Rinconada.  
latitude: 00 deg. 15 min. N.  
longitude: 78 deg. 03 min. W.  

elevation: 3000m.  
Seed.

* PI 561657  
Solanum colombianum Dunal  
SOLANACEAE Potato  

donor id: SCLp 5118.  
origin: Ecuador.  
collector id: SCLp 5118.  
other id: BE-3569.  
other id: Q 28590.  
locality: Oyacachi. Along Quito-Baeza Road, 7.2 km west of statue of Virgin at crest of sierra.  
latitude: 00 deg. 17 min. S.  
longitude: 78 deg. 14 min. W.  

elevation: 3660m.  
Seed.

* PI 561658  
Solanum andreanum Baker  
SOLANACEAE Potato  

donor id: SCLp 5133.  
origin: Ecuador.  
collected: June 07, 1991.  
collector id: SCLp 5133.  
other id: BE-3569.  
other id: Q 28593.  
locality: San Miguel de Bolivar. Loma Chuchi, by road to antennas of IETEL station, near El Tambo de Gobierno.  
latitude: 01 deg. 42 min. S.  
longitude: 79 deg. 05 min. W.  

elevation: 3000m.  
remarks: In recently cleared or burned fields, among grasses and other low vegetation. Corollas white tinged with blue to all blue (on separate plants). Fruits maturing to mature, round to ovoid-conical. Wild.  
Seed.

* PI 561659  
Solanum colombianum Dunal  
SOLANACEAE Potato  

donor id: SCLp 5139.  
origin: Ecuador.  
collector id: SCLp 5139.  
other id: BE-3569.  
other id: Q 28595.  
locality: Juncal. On Cerro Carshau, 500 m northeast of road to antennas in Quebrada Guallicanga, 8.0 km north of main Guayaquil-Canar road at Paico Alto.  
latitude: 02 deg. 28 min. S.  
longitude: 78 deg. 57 min. W.  

elevation: 3480m.  
remarks: At base of rock with water running over it, in mucky soil, in partial shade. Plants to 3m long. Corolla blue, rotate. Fruits maturing to mature. Wild.  
Seed.
Solanum andreanum Baker SOLANACEAE Potato


Solanum andreanum Baker SOLANACEAE Potato

other id: SCLp 5155. other id: BE-3569. other id: Q 28602. locality: Morona Santiago. About 10 km NW of San Vicente, on old footpath on south side of Rio Upano, on way to San Vicente and Nueva de Octubre. latitude: 02 deg. 10 min. S. longitude: 78 deg. 24 min. W. elevation: 2550m. remarks: Growing in sunny area by path. Leaves green to blue underneath. Corolla violet, rotate. Fruits round to round-ovate, maturing to mature. Coordinates approximate as no topographic map available. Wild. Seed.

Solanum andreanum Baker SOLANACEAE Potato

other id: SCLp 5157. other id: BE-3569. other id: Q 28603. locality: On old footpath from San Vicente to Nueva de Octubre, about 7 km east of San Vicente, on south side of Rio Upano, about 300 m west of Rio San Francisco. latitude: 02 deg. 12 min. S. longitude: 78 deg. 23 min. W. elevation: 2350m. remarks: In wet organic soil by shaded footpath. Leaves green to blue underneath. Corolla violet, rotate. Fruits round to ovoid maturing to mature. Coordinates approximate as no topographic map available. Type specimen locality of S. serratoris. Wild. Seed.
PI 561655 to 561663-continued

* PI 561663 Solanum juglandifolium Dunal SOLANACEAE Potato
donor id: SCLp 5158. origin: Ecuador. collected: June
Lopez J.. collector id: SCLp 5158. other id: BE-3569.
other id: Q 28604. locality: Morona Santiago. Cordillera
de los Huacamayos, 10.0 km SE of bridge over Rio Cosanga,
in Cosanga, in headwaters of Rio Urcusiqui, by roadside.
latitude: 00 deg. 37 min. S. longitude: 77 deg. 49 min.
W. elevation: 2200m. remarks: On slope by roadside.
Maturing and mature fruits present. Wild. Seed.

PI 561664 to 561671. Fagopyrum esculentum Moench POLYGONACEAE
Buckwheat

Donated by: NBPGGR, Regional Station, Phagli, Shimla-171 004, India.
Received June 19, 1992.

PI 561664 donor id: I.C. 42417. origin: India. locality:
Darjeeling district. Cultivated. Seed.

PI 561665 donor id: I.C. 79204. origin: India. locality: Kinnaur
district. Cultivated. Seed.


PI 561667 donor id: I.C. 79218. origin: India. locality: Mandi
district. Cultivated. Seed.

Seed.

Seed.

PI 561670 donor id: N.C. 67098. origin: India. locality: Chamba
district. Cultivated. Seed.

PI 561671 donor id: N.C. 67103. origin: India. locality: Chamba
district. Cultivated. Seed.

PI 561672. Gossypium hirsutum L. MALVACEAE Upland cotton

Research Ctr, Kibos, P.O. Box 1490, Kisumu, Kenya. remarks: KSA81M
Upland Cotton. Received June 25, 1992.
PI 561672-continued

**origin:** Kenya. **developed:** R.M. Oondo, R.S. Pathak, G.A. Ombakho. **origin institute:** Kenya Agr. Res. Inst., National Fibre Research Ctr, Kibos, P.O. Box 1490, Kisumu Kenya. **cultivar:** KSA8M. **pedigree:** Selection in Nigerian Allen yielded Albar 51. This cv. crossed to Mwanza Local cvs, and subsequent selection produced UKA67. Further sel. in UKA67 yielded UKA59/240. KSA8M is multiline of selections in UKA59/240. **other id:** CV-102. **group:** CSR-COTTON. **remarks:** Height 98cm. Matures 140 days after emergence. Leaves and uppermost section of stem are pubescent. Seed cotton weight per boll is 5g. Lint percentage 35.1. Seed index 9.4g. Seeds fuzzy, of grade 5.83, based on a visual grading of 1 to 8 for seedcoat fuzz. Major pests for this cv. in Kenya are Helicoverpa armigera, Dysdercus spp., Earias spp., Tetranychus spp., Bemisia tabaci, Lygus spp., and Pectinophora gossypiella. Resistant to Xanthomonas campestris pv malvacearum, Empoasca spp., and Aphis gossypii. Spring Annual. Cultivar. Seed.

PI 561673. Arachis hypogaea subsp. fastigiata Waldron FABACEAE

**Groundnut**

**Donated by:** Dwivedi, S.L., ICRISAT, Patancheru P.O., Andhra Pradesh 502 324, India; and Nyankpala Agr. Exp. Sta.. **remarks:** Sinkarzei Groundnut. Received June 25, 1992.

**origin:** India. **developed:** S.N. Nigam, K.O. Marfo, M.A. Assibi, S.L. Dwivedi, Y.L.C. Rao, R.W. Gibbons. **origin institute:** ICRISAT, Patancheru P.O., Andhra Pradesh 502 324 India. **cultivar:** SINKARZEI. **pedigree:** [(Gaug 1/NC Ac 17090)/Kadiri 3] F2-B1-B3-B4-B2-B1. **other id:** CV-48. **group:** CSR-PEANUT. **remarks:** Spanish cultivar group. Growth habit decumbent-1. Leaves medium sized. Matures in 102 days. 2-1 seeded pods with moderate constriction and reticulation. Meat content 78%. Seeds deep red colored, weigh 62g/100 seed. Oil content averages 45%. Spring Annual. Cultivar. Seed.

PI 561674. Secale cereale L. subsp. cereale POACEAE

**Donated by:** California Agr. Exp. Sta., California, United States. Received 1960.

**origin:** UNKNOWN. **cultivar:** SVALOF FOUREX. **remarks:** Tetraploid, does best in lighter soils. Excels in plant height and dry matter production. Normally a spring rye, not especially winter hardy. Yellow dwarf and root rot resistant. Cultivar. Seed.
PI 561675. Secale cereale L. subsp. cereale POACEAE


PI 561676 to 561689. Arachis hypogaea L. FABACEAE Peanut

Donated by: Hammons, R. O., USDA, ARS, Crops Research Unit, Tifton, Georgia 31794, United States. Received 1981.


PI 561682  origin: United States.  
cultivar: TIFRUST-7.  
other id: GP-24.  
group: CSR-PEANUT.  

PI 561683  origin: United States.  
cultivar: TIFRUST-8.  
other id: GP-25.  
group: CSR-PEANUT.  
remarks: Testa is white with red blotches, 155D/42A in R.H.S colour chart. Cultivar. Seed.

PI 561684  origin: United States.  
other id: GP-26.  
group: CSR-PEANUT.  
remarks: Testa is off white, 158A in R.H.S. colour chart. Cultivar. Seed.

PI 561685  origin: United States.  
cultivar: TIFRUST-10.  
other id: GP-27.  
group: CSR-PEANUT.  

PI 561686  origin: United States.  
cultivar: TIFRUST-11.  
other id: GP-28.  
group: CSR-PEANUT.  

PI 561687  origin: United States.  
cultivar: TIFRUST-12.  
other id: GP-29.  
group: CSR-PEANUT.  

PI 561688  origin: United States.  
other id: GP-30.  
group: CSR-PEANUT.  

PI 561689  origin: United States.  
cultivar: TIFRUST-14.  
other id: GP-31.  
group: CSR-PEANUT.  
PI 561690 to 561693. Astragalus cicer L. FABACEAE Cicer milkvetch

**Donated by:** Townsend, C.E., Agricultural Research Service -- USDA, Crops Research Lab., 1701 Center Avenue, Fort Collins, Colorado 80526, United States; and Colorado Agr. Exp. Sta.; and Montana Agr. Exp. Sta.. **remarks:** C-18, C-19, C-20 and C-21 Germlasms of Cicer Milkvetch. Received June 23, 1992.

PI 561690  
origin: United States. **developed:** C.E. Townsend, R.L. Ditterline. **origin institute:** Agricultural Research Service -- USDA, Crops Research Lab., 1701 Center Avenue, Fort Collins, Colorado 80526 United States. **cultivar:** C-18. **pedigree:** 26 parental clones trace to the following: PI 362229 (5), PI 362231 (2), PI 362234 (1), PI 362239 (1), PI 362248 (1), PI 362250 (5), PI 362251 (3), PI 362252 (1), PI 362254 (1), PI 362255 (3), PI 362264 (1), and PI 362266 (2). **other id:** GP-109. **group:** CSR-OTHER LEGUMES. **other id:** W6 10533. **group:** W6. **restricted:** CSR. **remarks:** Parental clones were selected for excellent mature plant vigor under irrigated conditions at Fort Collins, Colorado. Seed weight of the parental clones ranged from 2.91 to 3.87 g/1000 seeds with a mean of 3.30 g. Perennial. Breeding Material. Seed.

PI 561691  
origin: United States. **developed:** C.E. Townsend, R.L. Ditterline. **origin institute:** Agricultural Research Service -- USDA, Crops Research Laboratory, 1701 Center Avenue, Fort Collins, Colorado 80526 United States. **cultivar:** C-19. **pedigree:** Traces to 10 of the 40 parental clones of cv. Monarch. Four of the 10 clones trace to the Blacksburg (VA) Composite, three to PI 206405, and three to PI 66515. **other id:** GP-110. **group:** CSR-OTHER LEGUMES. **other id:** W6 10534. **group:** W6. **restricted:** CSR. **remarks:** Selected for improved seedling emergence in the field, and mature plant vigor. Seedling emergence of the polycross progenies ranged from 82 - 144% of that of Monarch (17 seedlings/m of row) with a mean of 109%. Seed weight of the parental clones ranged from 3.46 - 5.00 g/1000 seeds with a mean of 4.07 g. Perennial. Breeding Material. Seed.
PI 561692  
origin: United States. developed: C.E. Townsend, R.L. Ditterline. origin institute: Agricultural Research Service -- USDA, Crops Research Laboratory, 1701 Center Avenue, Fort Collins, Colorado 80526 United States. cultivar: C-20. pedigree: 54 parental clones trace to the following: C-14 (7), C-15 (8), C-16 (4), C-17 (8), C-19 (14), and the original B population (13). other id: GP-111. group: CSR-OTHER LEGUMES. other id: W6 10535. group: W6. restricted: CSR. remarks: Selected for improved seedling vigor and mature plant vigor. Seedling emergence of the component polycross progenies (54) ranged from 82 to 207% of that of Monarch (14 seedlings/m of row) with a mean of 148%. Seed weight of the parental clones ranged from 3.37 to 5.56 g/1000 seeds with a mean of 4.29 g. Seed weight of Monarch is 4.14 g/1000 seeds. Perennial. Breeding Material. Seed.

PI 561693  

PI 561694 to 561695. Zea mays L. subsp. mays POACEAE Maize  


PI 561696. Phaseolus vulgaris L. FABACEAE Common bean

Donated by: Saindon, G., Lethbridge Res. Sta.--Agriculture Canada, P.O. Box 3000 Main, Lethbridge, Alberta T1J 4B1, Canada. remarks: LRS92-1 Common Bean Germplasm. Received June 23, 1992.

PI 561697 to 561699. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Fioritto, R.J., Ohio Agricultural Research & Dev.
Center, Ohio State University, Wooster, Ohio 44691-4096, United States. **remarks:** HM2, HM3, and HM4 Soybean Germplasms. Received June 23, 1992.

PI 561697  
**origin:** United States. **developed:** B.A. McBlain, R.J. Fioritto, A.F. Schmitthenner, S.J. Carson, A.K. Walker. **origin institute:** Ohio Agricultural Research & Dev.
Center, Ohio State University, Wooster, Ohio 44691-4096 United States. **cultivar:** HM2. **pedigree:** Derived from the fourth cycle of recurrent selection of the population Phytophthora megasperma f. sp. glycinea Tolerance. **other id:** GP-142. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Flowers purple. Pods brown. Pubescence tawny. Seed dull yellow with black hila. Resistant to Race 1 of Phytophthora sojae, but susceptible to Races 16 and 25. Intermediate reactions to Races 3, 4, 7, 8 and 10. Spring Annual. Breeding Material. Seed.

PI 561698  
**origin:** United States. **developed:** B.A. McBlain, R.J. Fioritto, A.F. Schmitthenner, S.J. Carson, A.K. Walker. **origin institute:** Ohio Agricultural Research & Dev.
Center, Ohio State University, Wooster, Ohio 44691-4096 United States. **cultivar:** HM3. **pedigree:** Derived from the fourth cycle of recurrent selection of the population Phytophthora megasperma f. sp. glycinea Tolerance. **other id:** GP-143. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Resistant to Race 1 of Phytophthora sojae, and Races 16 and 25, than that of HM2. Intermediate reactions to Races 3, 4, 7, 16 and 25. Susceptible to Races 8 and 10. Pigmentation the same as HM2. Spring Annual. Breeding Material. Seed.

PI 561699  
**origin:** United States. **developed:** B.A. McBlain, R.J. Fioritto, A.F. Schmitthenner, S.J. Carson, A.K. Walker. **origin institute:** Ohio Agricultural Research & Dev.
Center, Ohio State University, Wooster, Ohio 44691-4096 United States. **cultivar:** HM4. **pedigree:** Derived from the fourth cycle of recurrent selection of the population Phytophthora megasperma f.sp. glycinea Tolerance. **other id:** GP-144. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Intermediate reaction to Phytophthora sojae Race 1. Pubescence gray and tawny. Hila black and imperfect black. Spring Annual. Breeding Material. Seed.

PI 561700. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Fioritto, R.J., Ohio Agricultural Research & Dev.
Center, Wooster, Ohio 44691-4096, United States; and Agricultural Research Service -- USDA. **remarks:** Erie Soybean. Received June 23, 1992.

122
PI 561700-continued

**origin:** United States. **developed:** B.A. McBlain, R.J. Fioritto, S.K. St. Martin, A. Calip-DuBois, A.F. Schmitthenner, R.L. Cooper, R.J. Martin. **origin institute:** Ohio Agricultural Research & Dev. Center, The Ohio State University, Wooster, Ohio 44691 United States. **cultivar:** Erie. **pedigree:** A78-123018 2 X Century 84. **other id:** CV-302. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Early group II cultivar, about 2 days later than Vickery. Purple flowers. Pods brown. Pubescence tawny. Seed dull yellow with brown hila. Resistant to phytophthora rot (Phytophthora sojae). Yield is 5% higher, 10gm/kg seed protein content is higher, and has resistance to Race 4 of phytophthora rot, when compared to Vickery. Moderately resistant to brown stem rot (Phialophora gregata). Spring Annual. Cultivar. Seed.

PI 561701. *Glycine max (L.) Merr.* FABACEAE Soybean

**Donated by:** Boerma, H.R., Georgia Agr. Exp. Sta., University of Georgia, Athens, Georgia 30602-7272, United States. **remarks:**
G88-20092 Soybean Germplasm. Received June 24, 1992.


PI 561702. *Glycine max (L.) Merr.* FABACEAE Soybean

**Donated by:** Montoya, C.L., CIANO-INFAP-SARH, Centro de Investigaciones Agropecuarias, Cd. Obregon, Sonora, Mexico. **remarks:** Harbar 88. Received June 24, 1992.
PI 561702-continued

**PI 561702.** *Glycine max (L.) Merill.* LEGUMINOSAE Soybean

**Donated by:** L. Montoya C., and T.N. Castillo. **Origin:** Mexico. **Developed:** L. Montoya C., T.N. Castillo. **Origin institute:** CIANO-INFAP-SARH, Centro de Investigaciones Agropecuarias, Cd. Obregon, Sonora Mexico. **Cultivar:** Harbar 88. **Pedigree:** Cajeme X Rad. **Other id:** CV-300. **Group:** CSR-SOYBEAN. **Remarks:** Maturity Group VI. Begins flowering about 47 days after planting. Physiological maturity in about 119 days. Mature plant height averages 90cm. Flowers purple. Pubescence tawny. Seed yellow. Hila black or gray. Seed weight averages 14.9g per 100 seeds. Seed protein averages 391g kg⁻¹. Oil content 233g kg⁻¹. Resistant to both lodging and shattering. Susceptible to cold injury and defoliating insects. Tolerant to virus, cercospora and mildew. Facultative Annual. Cultivar. Seed.

PI 561703. *Carthamus tinctorius L.* ASTERACEAE Safflower

**Donated by:** G.L.C. Musa, G.L.C., Northwest Agric. Research Centre (CIANO), Yaqui Valley Agric. Exp. Stn., Obregon, Sonora CP 85000, Mexico. **Remarks:** San Jose 89 Safflower. Received June 24, 1992.

**Origin:** Mexico. **Developed:** G.L.C. Musa, S. Munoz-Valenzuela, R.D. Garcia-Perez. **Origin institute:** Northwest Agric. Research Centre (CIANO), Yaqui Valley Agric. Exp. Stn., Apartado Postal 515, Cd. Obregon, Sonora CP 85 000 Mexico. **Cultivar:** San Jose 89. **Pedigree:** Sl-Cen-1368/Sl-Cen-1178//POL-5. **Other id:** CV-19. **Group:** CSR-SAFFLOWER. **Other id:** W6 10538. **Group:** W6. **Remarks:** Flowering and maturity 120 and 150 days, respectively. Plant height 150cm. Seed color white, hull normal. Seed size 8mm long, 4.1mm wide. Seed shape oval. Oil content 37.6%. Protein content 17.7%. Linoleic acid 56.2%. Oleic acid 33.4%. Iodine value 130.5. Moderately resistant to Alternaria carthami and Puccinia carthami. Resistant to Lodaina. Winter Annual. Cultivar. Seed.

PI 561704. *Sesamum indicum L.* PEDALIACEAE Sesame

**Donated by:** Munoz-Valenzuela, S., Campo Experimental Valle del Yaqui, (CEVY-INIFAP-SARH), Ciudad Obregon, Sonora, Mexico; and CIANO-INIFAP-SARH. **Remarks:** Ostimuri Sesame. Received June 24, 1992.
PI 561704-continued

<table>
<thead>
<tr>
<th>Origin</th>
<th>Developed</th>
<th>Origin Institute</th>
<th>Cultivar</th>
<th>Pedigree</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mexico</td>
<td>S. Munoz-Valenzuela, G.L.C.</td>
<td>Campo Experimental &quot;Valle del Yaqui&quot;, (CEVY-INIFAP-SARH), Ciudad Obregon, Sonora Mexico</td>
<td>OSTIMURI 89.</td>
<td>OSMURU 278/EVA.</td>
<td>Flowers about 45 days after planting. Physiological maturity at 95 days. Mature plant height average 134cm. Height of first capsules 48cm. Seed white stained, averaging 3.2mm long and 2.0mm wide. Seed weight averages 2.9g 1000-1 seeds and weight 59.0kg hl-1. Seed oil average 440g kg-1, protein 295g kg-1, and carbohydrates 166g kg-1. Fatty acid balance averages for oleic acid 377g, linoleic acid 457g, palmitic acid 121g, and stearic acid 46g kg-1 of oil. Oil iodine number 116.5. Spring Annual. Seed.</td>
</tr>
</tbody>
</table>

PI 561705. Sesamum indicum L. PEDALIACEAE Sesame


<table>
<thead>
<tr>
<th>Origin</th>
<th>Developed</th>
<th>Origin Institute</th>
<th>Cultivar</th>
<th>Pedigree</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mexico</td>
<td>S. Munoz-Valenzuela, G.L.C.</td>
<td>Campo Experimental &quot;Valle del Yaqui&quot;, (CEVY-INIFAP-SARH), Ciudad Obregon, Sonora, Mexico</td>
<td>TURINOCA 89.</td>
<td>TURINOCA 101/Denisse.</td>
<td>Flowers about 45 days after planting. Physiological maturity at 100 days. Mature plant height average 138cm. Height of first capsules averages 50cm. Seed white, averaging 3.1mm long and 2.0mm wide. Seed weight averages 3.0g 1000-1 seeds and test weight 60.1kg hL-1. Seed oil average 416g kg-1, protein 282g kg-1, and carbohydrates 196g kg-1. Fatty acid balance averages for oleic acid 415g, linoleic acid 419g, palmitic acid 110g, and stearic acid 55g kg-1 of oil. Oil iodine number 113.5. Spring Annual. Cultivar. Seed.</td>
</tr>
</tbody>
</table>

PI 561706. Sesamum indicum L. PEDALIACEAE Sesame

PI 561706-continued

cultivar: ONTAGOTA 89. pedigree: Eva/Pachequeno//Instituto 15/Ciano 27. other id: CV-5. group: CSR-OTHER OILSEEDS. remarks: Flowers about 66 days after planting. Physiological maturity at 115 days. Mature plant average 163cm in height. Height of first capsules averages 70cm. Seed creamy white, averaging 3.0mm long and 2.0mm wide. Seed weight averages 2.7g 1000-1, test weight 59.8kg hL-1. Seed oil average 400g kg-1, protein 311g kg-1, and carbohydrates 176g kg-1. Fatty acid balance averages for oleic acid 389g, linoleic acid 419g, palmitic acid 130g, and stearic acid 65g kg-1 of oil. Oil iodine number 111.0. Spring Annual. Seed.

PI 561707. Lolium perenne L. POACEAE Perennial ryegrass

Donated by: Lofts Seed, Inc., United States. Received July 01, 1992.


PI 561708. Lolium perenne L. POACEAE Perennial ryegrass

Donated by: Lofts Seed, Inc., United States. Received July 01, 1992.

cultivar: PRELUDE II. other id: PVP 9200210. source: Pending. group: PVPO. patent: PVPO. Cultivar. Seed.

PI 561709. Lolium perenne L. POACEAE Perennial ryegrass

Donated by: Lofts Seed, Inc., United States. Received July 01, 1992.

PI 561710. Lolium perenne L. POACEAE Perennial ryegrass

**Donated by:** Lofts Seed, Inc., United States. Received July 01, 1992.


PI 561711. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Asgrow Seed Company, United States. Received July 01, 1992.


PI 561712. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Jacob Hartz Seed Company, Inc., United States. Received July 01, 1992.


PI 561713. Medicago sativa L. FABACEAE Alfalfa

**Donated by:** Pioneer Hi-Bred International, Inc., United States. Received July 01, 1992.


PI 561714. Medicago sativa L. FABACEAE Alfalfa

**Donated by:** Pioneer Hi-Bred International, Inc., United States. Received July 01, 1992.

PI 561715. Medicago sativa L. FABACEAE Alfalfa


PI 561716. Medicago sativa L. FABACEAE Alfalfa


PI 561717. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received July 01, 1992.


PI 561718. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received July 01, 1992.
PI 561718-continued


PI 561719. Gossypium hirsutum L. MALVACEAE Cotton


PI 561720. Crotalaria juncea L. FABACEAE Sunn hemp


origin: Brazil. developed: Manoel A.C. de Miranda. origin institute: Instituto Agronomico de Campinas, Av. Barao de Itapura, 1481, Caixa Postal 28, 13020-902, Campinas, Sao Paulo Brazil. cultivar: IAC-1. remarks: Maturity 160-180 days (summer), 120 days (mild winter). Plants highly photosensitive. Flowers bee-pollinated. Primary uses - green manure (40-50 t/ha at flowering time) and control of root knot nematodes. Seed yield 1500 kg/ha (summer), 700-1000 kg/ha (winter). Resistant to Ceratocystis fimbriata. Spring Annual. Cultivar. Seed.

PI 561721. Panicum amarum Ell. POACEAE Beach grass

Donated by: Soil Conservation Service, Plant Materials Center, 14119 Broad Street, Brookville, Florida 34601, United States. remarks: Received through National Plant Materials Center, USDA-SCS, Bldg. 509, BARC-East, Beltsville, MD 20705. Received July 07, 1992.

donor id: 9003324. origin: United States. collected: July 14, 1977. collector: R.E. Sommer. locality: Beach sand, 0.75 miles S of Carlin Park at Hwy A1A near edge of blacktop. T41 R43 S5, MLRA 155, Palm Beach County. elevation: 5m. Wild. Plant.
PI 561722 to 561727. Triticum aestivum L., nom. cons. POACEAE Hard
red winter wheat

Donated by: Carver, B.F., Oklahoma Agr. Exp. Sta., Oklahoma State
University, Stillwater, Oklahoma 74078-0507, United States.
remarks: Six Wheat Near-Isoline Germplasms. Received July 08, 1992.

PI 561722 origin: United States. developed: B.F. Carver, W.E.
of Agronomy, Stillwater, Oklahoma 74078-0507 United States. origin institute id: OK91G103. pedigree:
Chisholm*4/Atlas 66. other id: GP-360. group: CSR-WHEAT. restricted: CSR. remarks: Developed by
backcross breeding. Resembles Chisholm in plant appearance, seed characteristics, and pest resistance.
Resembles Chisholm in agronomic performance under field conditions with the recommended soil pH. Significant
increases have been noted in spike density, total plant and grain yield, kernel weight, and seedling root mass,

PI 561723 origin: United States. developed: B.F. Carver, W.E.
of Agronomy, Stillwater, Oklahoma 74078-0507 United States. origin institute id: OK91G104. pedigree:
Chisholm*4/Atlas 66. other id: GP-361. group: CSR-WHEAT. restricted: CSR. remarks: Developed by
backcross breeding. Resembles Chisholm in plant appearance, seed characteristics, and pest resistance.
Resembles Chisholm in agronomic performance under field conditions with the recommended soil pH. Significant
increases have been noted in spike density, total plant and grain yield, kernel weight, and seedling root mass,

PI 561724 origin: United States. developed: B.F. Carver, W.E.
of Agronomy, Stillwater, Oklahoma 74078-0507 United States. origin institute id: OK91G105. pedigree:
breeding. Resembles Century in plant appearance, seed characteristics, and pest resistance. Resembles Century
in agronomic performance under field conditions with the recommended soil pH. Significant increases have been
PI 561725  

PI 561726  

PI 561727  

PI 561728 to 561733.  *Triticum aestivum* L., nom. cons.  **POACEAE**  Hard red winter wheat

**Donated by**: Carver, B.F., Oklahoma Agr. Exp. Sta., Oklahoma State University, Stillwater, Oklahoma 74078-0507, United States.  
**remarks**: Six Wheat Near-Isoline Germplasms. Received July 08, 1992.


PI 561731  
**origin:** United States.  
**developed:** B.F. Carver, W.E. Whitmore, E.L. Smith.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078-0507 United States.  
**origin institute id:** OK92G204.  
**pedigree:** Mustang*5/McNair 1003.  
**other id:** GP-349.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Developed by backcross breeding. Resembles Mustang in plant appearance, seed characteristics and pest resistance. Awned. Formed by bulking seed from several BC4F2 plants in 5 to 7 BC4F1 families. Breeder seed will be maintained by advancing BC4F1 families (duplicate lines) separately. Winter Annual. Breeding Material. Seed.

PI 561732  
**origin:** United States.  
**developed:** B.F. Carver, W.E. Whitmore, E.L. Smith.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078-0507 United States.  
**origin institute id:** OK92G205.  
**pedigree:** Century*5/McNair 1003.  
**other id:** GP-347.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Developed by backcross breeding. Resembles Century in plant appearance, seed characteristics and pest resistance. Awnletted. Formed by bulking seed from several BC4F2 plants in 5 to 7 BC4F1 families. Breeder seed will be maintained by advancing BC4F1 families (duplicate lines) separately. Winter Annual. Breeding Material. Seed.

PI 561733  
**origin:** United States.  
**developed:** B.F. Carver, W.E. Whitmore, E.L. Smith.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078-0507 United States.  
**origin institute id:** OK92G206.  
**pedigree:** Century*5/McNair 1003.  
**other id:** GP-350.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Developed by backcross breeding. Resembles Century in plant appearance, seed characteristics and pest resistance. Awned. Formed by bulking seed from several BC4F2 plants in 5 to 7 BC4F1 families. Breeder seed will be maintained by advancing BC4F1 families (duplicate lines) separately. Winter Annual. Breeding Material. Seed.

PI 561734. *Oryza sativa* L.  
POACEAE Rice

**Donated by:** Linscombe, S., Louisiana Agr. Exp. Sta., Rice Research Station, Crowley, Louisiana 70527-1429, United States; and Agricultural Research Service -- USDA.  
**remarks:** Cypress Rice.  
Received July 08, 1992.
PI 561734-continued


PI 561735. Oryza sativa L. POACEAE Rice

Donated by: Linscombe, S., Louisiana Agr. Exp. Sta., Rice Research Station, Crowley, Louisiana 70527-1429, United States; and Agricultural Research Service -- USDA. remarks: Bengal Rice. Received July 08, 1992.


PI 561736. Arachis hypogaea L. subsp. hypogaea FABACEAE Peanut

PI 561736-continued

origin: United States. developed: W.D. Branch. origin institute: Georgia Agr. Exp. Sta., University of Georgia, Coastal Plain Experiment Station, Tifton, Georgia 31793-0748 United States. cultivar: VARIEGATED-LEAF. pedigree: Originally selected as an aberrant off-type within the 'Florunner' cultivar. other id: Georgia GS-113. other id: GS-2. group: CSR-PEANUT. restricted: CSR. remarks: Attractive as a potted plant. Readily available seed source for albinism studies. Leaflets distinctively white & green. Plants somewhat similar to Florunner plants, except for abnormal leaf characteristic. Growth habit spreading. Flowers generally absent on mainstems. Maturity medium in south Georgia. Pod typical runner market-type with only slight constriction & smooth reticulation. Two pink-colored seed per pod are most common, but an occasional one-seeded pod can be observed. Sound mature seed weight average usually smaller than Florunner (ca. 48g vs 58g/100). Spring Annual. Genetic Material. Seed.

PI 561737 to 561792. Secale cereale L. subsp. cereale POACEAE Rye

Donated by: Metzger, R.J., Oregon State University, Dept. of Crop Sciences, Oregon State University, Corvallis, Oregon 97331, United States. remarks: Seed was increased at the Botanical Garden of the Polish Academy of Sciences under USDA-OICD Project No. PL-ARS-140B. Received May 1992.


PI 561741  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J.  
**Metzger, J.A. Hoffman, USDA-ARS.**  
**collector id:** 79TK017-075.  
**locality:** 12 km southeast of Elazig.  
**elevation:** 1100m.  
Cultivated.  
Seed.

PI 561742  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J.  
**Metzger, J.A. Hoffman, USDA-ARS.**  
**collector id:** 79TK029-147.  
**locality:** 13 km southwest of Tatvan.  
**elevation:** 1780m.  
Cultivated.  
Seed.

PI 561743  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J.  
**Metzger, J.A. Hoffman, USDA-ARS.**  
**collector id:** 79TK029-151.  
**locality:** 13 km southwest of Tatvan.  
**elevation:** 1780m.  
Cultivated.  
Seed.

PI 561744  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J.  
**Metzger, J.A. Hoffman, USDA-ARS.**  
**collector id:** 79TK029-153.  
**locality:** 13 km southwest of Tatvan.  
**elevation:** 1780m.  
Cultivated.  
Seed.

PI 561745  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J.  
**Metzger, J.A. Hoffman, USDA-ARS.**  
**collector id:** 79TK029-154.  
**locality:** 13 km southwest of Tatvan.  
**elevation:** 1780m.  
Cultivated.  
Seed.

PI 561746  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J.  
**Metzger, J.A. Hoffman, USDA-ARS.**  
**collector id:** 79TK030-172.  
**locality:** 11 km northeast of Tatvan.  
**elevation:** 1680m.  
Cultivated.  
Seed.

PI 561747  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J.  
**Metzger, J.A. Hoffman, USDA-ARS.**  
**collector id:** 79TK032-174.  
**locality:** 30 km northeast of Tatvan.  
**elevation:** 1640m.  
Cultivated.  
Seed.

PI 561748  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J.  
**Metzger, J.A. Hoffman, USDA-ARS.**  
**collector id:** 79TK033-175.  
**locality:** 33 km northeast of Tatvan.  
**elevation:** 1650m.  
Cultivated.  
Seed.
PI 561749

PI 561750

PI 561751

PI 561752

PI 561753

PI 561754

PI 561755

PI 561756
PI 561757  
*origin:* Turkey.  
*collected:* 1979.  
*collector id:* 79TK092-466.  
*locality:* 6 km southwest of Kagizman-Igdir-Erzurum road junction.  
*elevation:* 1190m.  
*Cultivated. Seed.*

PI 561758  
*origin:* Turkey.  
*collected:* 1979.  
*collector id:* 79TK094-480.  
*locality:* 30 km southeast of Karakurt.  
*elevation:* 1300m.  
*Cultivated. Seed.*

PI 561759  
*origin:* Turkey.  
*collected:* 1979.  
*collector id:* 79TK101-537.  
*locality:* 4 km southeast of Cildir.  
*elevation:* 1900m.  
*Cultivated. Seed.*

PI 561760  
*origin:* Turkey.  
*collected:* 1979.  
*collector id:* 79TK106-557.  
*locality:* 10 km north of Gole.  
*elevation:* 1930m.  
*Cultivated. Seed.*

PI 561761  
*origin:* Turkey.  
*collected:* 1979.  
*collector id:* 79TK107-571.  
*locality:* 19 km north of Gole.  
*elevation:* 1880m.  
*Cultivated. Seed.*

PI 561762  
*origin:* Turkey.  
*collected:* 1979.  
*collector id:* 79TK109-592.  
*locality:* Tortum-Yukari Sivri village.  
*elevation:* 1700m.  
*Cultivated. Seed.*

PI 561763  
*origin:* Turkey.  
*collected:* 1979.  
*collector id:* 79TK110-599.  
*locality:* 33 km north of Erzurum.  
*elevation:* 2010m.  
*Cultivated. Seed.*

PI 561764  
*origin:* Turkey.  
*collected:* 1979.  
*collector id:* 79TK112-1074.  
*locality:* 18 km northeast of Erzurum.  
*elevation:* 1810m.  
*Cultivated. Seed.*
PI 561765  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS.  
**collector id:** 79TK114-1083.  
**locality:** 56 km northwest of Eleskirt.  
**elevation:** 1700m.  
**Cultivated. Seed.**

PI 561766  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS.  
**collector id:** 79TK116-617.  
**locality:** 37 km northwest of Eleskirt.  
**elevation:** 2000m.  
**Cultivated. Seed.**

PI 561767  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS.  
**collector id:** 79TK118-1098.  
**locality:** 13 km south of Erzurum-Hinis road junction.  
**elevation:** 1600m.  
**Cultivated. Seed.**

PI 561768  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS.  
**collector id:** 79TK121-624.  
**locality:** 76 km north of Hinis.  
**elevation:** 1620m.  
**Cultivated. Seed.**

PI 561769  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS.  
**collector id:** 79TK123-653.  
**locality:** 37 km southeast of Bayburt.  
**elevation:** 1920m.  
**Cultivated. Seed.**

PI 561770  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS.  
**collector id:** 79TK124-698.  
**locality:** Tercan.  
**elevation:** 1420m.  
**Cultivated. Seed.**

PI 561771  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS.  
**collector id:** 79TK126-663.  
**locality:** 56 km west of Erzincan.  
**elevation:** 1670m.  
**Cultivated. Seed.**

PI 561772  
**origin:** Turkey.  
**collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS.  
**collector id:** 79TK132-718.  
**locality:** 22 km southeast of Yilizeli.  
**elevation:** 1310m.  
**Cultivated. Seed.**
PI 561737 to 561792-continued


PI 561781  
**origin:** Turkey.  
**collected:** August 1984.  
**collector:** M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, USDA-ARS.  
**collector id:** 84TK589-003.1.  
**locality:** east side of Nemrut Lake; grazed area.  
**elevation:** 2750m.  
Cultivated.  
Seed.

PI 561782  
**origin:** Turkey.  
**collected:** August 1984.  
**collector:** M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, USDA-ARS.  
**collector id:** 84TK589-003.2.  
**locality:** east side of Nemrut Lake; grazed area.  
**elevation:** 2750m.  
Cultivated.  
Seed.

PI 561783  
**origin:** Turkey.  
**collected:** August 1984.  
**collector:** M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, USDA-ARS.  
**collector id:** 84TK591-001.1.  
**locality:** 25 km northeast of Tatvan.  
**elevation:** 1660m.  
Cultivated.  
Seed.

PI 561784  
**origin:** Turkey.  
**collected:** August 1984.  
**collector:** M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, USDA-ARS.  
**collector id:** 84TK591-001.2.  
**locality:** 25 km northeast of Tatvan.  
**elevation:** 1660m.  
Cultivated.  
Seed.

PI 561785  
**origin:** Turkey.  
**collected:** August 1984.  
**collector:** M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, USDA-ARS.  
**collector id:** 84TK591-001.3.  
**locality:** 25 km northeast of Tatvan.  
**elevation:** 1660m.  
Cultivated.  
Seed.

PI 561786  
**origin:** Turkey.  
**collected:** August 1984.  
**collector:** M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, USDA-ARS.  
**collector id:** 84TK593-002.  
**locality:** 8 km northeast of Muradiye.  
**elevation:** 1875m.  
Cultivated.  
Seed.

PI 561787  
**origin:** Turkey.  
**collected:** August 1984.  
**collector:** M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, USDA-ARS.  
**collector id:** 84TK597-003.1.  
**locality:** 19 km northeast of Caldiran.  
**elevation:** 2175m.  
Cultivated.  
Seed.

PI 561788  
**origin:** Turkey.  
**collected:** August 1984.  
**collector:** M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, USDA-ARS.  
**collector id:** 84TK597-003.14.  
**locality:** 19 km northeast of Caldiran.  
**elevation:** 2175m.  
Cultivated.  
Seed.

PI 561789  
**origin:** United States.  
**collector:** R.J. Metzger, USDA-ARS, Corvallis.  
**collector id:** H80-37-17.  
Breeding Material.  
Seed.


PI 561793 to 561810.  Secale sp.  POACEAE  Rye

Donated by: Metzger, R.J., Oregon State University, Dept. of Crop Sciences, Oregon State University, Corvallis, Oregon 97331, United States. remarks: Seed was increased at the Botanical Garden of the Polish Academy of Sciences under USDA-OICD Project No. PL-ARS-140B. Received May 1992.


PI 561793 to 561810-continued

PI 561806  

PI 561807  

PI 561808  

PI 561809  

PI 561810  

PI 561811. Sorghum bicolor (L.) Moench POACEAE

Donated by: Atkins, R.E., Iowa State University, Agronomy Building, Ames, Iowa 50011, United States. Received 1980.


PI 561812. Sorghum bicolor (L.) Moench POACEAE

Donated by: Atkins, R.E., Iowa State University, Agronomy Building, Ames, Iowa 50011, United States. Received 1981.

144
PI 561812-continued

origin: United States. cultivar: IAP3BR(M)C3. pedigree:
Derived from controlled pollinations of 30 lines onto
bagged genetic male-sterile, ms3, heads of IAP1R(M)C1
population. other id: GP-74. source: Crop Sci.
22(1):165 1982. group: CSR-SORGHUM. remarks:
Random-mating population. Plant height short to medium.
Good agronomic type. Highly variable for plant and seed
characteristics. Useful for selection of large-seeded
types with wide expression of other agronomic

PI 561813. Sorghum bicolor (L.) Moench POACEAE

Donated by: Atkins, R.E., Iowa State University, Agronomy Building,
Ames, Iowa 50011, United States. Received 1982.

origin: United States. cultivar: IAP2B(M)C3. pedigree:
Derivation included selection from NP2B (constituted from
intermated seed of backcrosses of 8 B-lines to Al
cytoplasms -- Combine Kafir-60, Martin, Reliance,
Westland, Wheatland, Redlan, Dwarf Redlan, and Tx606).
group: CSR-SORGHUM. remarks: Plant medium to moderately
short. Random-mating population. Highly variable for
other plant and seed characteristics. Breeding Material. Seed.

PI 561814 to 561825. Sorghum bicolor (L.) Moench POACEAE

Donated by: Atkins, R.E., Iowa State University, Agronomy Building,
Ames, Iowa 50011, United States. Received 1983.

PI 561814 origin: United States. cultivar: IA17. pedigree:
Derived from (CK60 x Redlan) x IS2541c. other id: PL-90.
source: Crop Sci. 23(6):1229 1983. group: CSR-SORGHUM.
remarks: Inbred line. Good agronomic type. Seed large.
Compact panicle type. Glume color black. Awnless. Seed
color light red. Testa present. Plant height medium tall.

PI 561815 origin: United States. cultivar: IA18. pedigree:
Derived from (Martin x Redlan) x IS2563c. other id:
PL-91. source: Crop Sci. 23(6):1229 1983. group:
CSR-SORGHUM. remarks: Inbred line. Good agronomic type.
Seed large. Compact panicle type. Glume color straw.
Awnless. Seed color light red. Testa absent. Plant height
medium short. Maturity medium late. Cultivated. Breeding
Material. Seed.
PI 561816  
origin: United States.  
cultivar: IA19.  
pedigree: 
Derived from (Martin x Redlan) x IS3063c.  
other id:  
PI-92.  
group: CSR-SORGHUM.  
remarks: Inbred line. Good agronomic type. 
Plant height medium tall. Maturity medium early.  
Seed.

PI 561817  
origin: United States.  
cultivar: IA20.  
pedigree: 
Derived from (CK60 x Redlan) x IS7435c.  
other id: PL-93.  
group: CSR-SORGHUM.  
remarks: Inbred line. Good agronomic type. Seed large. 
Seed.

PI 561818  
origin: United States.  
cultivar: IA21.  
pedigree: 
Derived from (CK60 x Redlan) x IS7720c.  
other id: PL-94.  
group: CSR-SORGHUM.  
remarks: Inbred line. Good agronomic type. Seed large. 
Seed.

PI 561819  
origin: United States.  
cultivar: IA22.  
pedigree: 
Derived from (CK60 x Redlan) x IS12610c.  
other id: PL-95.  
group: CSR-SORGHUM.  
remarks: Inbred line. Good agronomic type. 
Seed.

PI 561820  
origin: United States.  
cultivar: IA23.  
pedigree: 
Derived from (CK60 x Redlan) x IS2573c.  
other id: PL-96.  
group: CSR-SORGHUM.  
remarks: Inbred line. Good agronomic type. Seed large. 
Seed.
PI 561821  
**origin:** United States. **cultivar:** IA24.  
**pedigree:** Derived from (CK60 x Martin) x IS12610c.  
**other id:** PL-97.  
**source:** Crop Sci. 23(6):1229 1983.  
**group:** CSR-SORGHUM.  

PI 561822  
**origin:** United States. **cultivar:** IA25.  
**pedigree:** Derived from KS24 x IS2403c.  
**other id:** PL-98.  
**source:** Crop Sci. 23(6):1229 1983.  
**group:** CSR-SORGHUM.  

PI 561823  
**origin:** United States. **cultivar:** IA26.  
**pedigree:** Derived from KS24 x IS2573c.  
**other id:** PL-99.  
**source:** Crop Sci. 23(6):1229 1983.  
**group:** CSR-SORGHUM.  

PI 561824  
**origin:** United States. **cultivar:** IA27.  
**pedigree:** Derived from CK60 x IS12569c.  
**other id:** PL-100.  
**source:** Crop Sci. 23(6):1229 1983.  
**group:** CSR-SORGHUM.  

PI 561825  
**origin:** United States. **cultivar:** IA28.  
**pedigree:** Derived from IS3464c Sel., S4 (S is subscript) of Temp. Bulk.  
**other id:** PL-101.  
**source:** Crop Sci. 23(6):1229 1983.  
**group:** CSR-SORGHUM.  

PI 561826 to 561837. Sorghum bicolor (L.) Moench POACEAE

**Donated by:** Atkins, R.E., Iowa State University, Agronomy Building, Ames, Iowa 50011, United States. Received 1984.
PI 561826  
**origin:** United States.  **cultivar:** IA29.  **pedigree:** Derived from A2Tx2753 x B2 "Martin" (SA398).  **other id:** PL-144.  **source:** Crop Sci. 24(6):1227 1984.  **group:** CSR-SORGHUM.  **remarks:** Maintainer line. Used to provide additional cytoplasmic and genetic diversity as germplasm and as potential parents for hybrid seed production. Cultivated. Breeding Material.

PI 561827  
**origin:** United States.  **cultivar:** IA30.  **pedigree:** Derived from A2Tx2753 x B2 "Combine Kafir 60" (SA3197).  **other id:** PL-145.  **source:** Crop Sci. 24(6):1227 1984.  **group:** CSR-SORGHUM.  **remarks:** Maintainer line. Used to provide additional cytoplasmic and genetic diversity as germplasm and as potential parents for hybrid seed production. Cultivated. Breeding Material.

PI 561828  
**origin:** United States.  **cultivar:** IA31.  **pedigree:** Derived from A2Tx2753 x B2 "Redbine 58".  **other id:** PL-146.  **source:** Crop Sci. 24(6):1227 1984.  **group:** CSR-SORGHUM.  **remarks:** Maintainer line. Used to provide additional cytoplasmic and genetic diversity as germplasm and as potential parents for hybrid seed production. Cultivated. Breeding Material. Seed.

PI 561829  
**origin:** United States.  **cultivar:** IA32.  **pedigree:** Derived from A2Tx2753 x B2 "Wheatland" (SA399).  **other id:** PL-147.  **source:** Crop Sci. 24(6):1227 1984.  **group:** CSR-SORGHUM.  **remarks:** Maintainer line. Used to provide additional cytoplasmic and genetic diversity as germplasm and as potential parents for hybrid seed production. Cultivated. Breeding Material.

PI 561830  
**origin:** United States.  **cultivar:** IA33.  **pedigree:** Derived from A2Tx2753 x B2 Redlan (SA378).  **other id:** PL-148.  **source:** Crop Sci. 24(6):1227 1984.  **group:** CSR-SORGHUM.  **remarks:** Maintainer line. Used to provide additional cytoplasmic and genetic diversity as germplasm and as potential parents for hybrid seed production. Cultivated. Breeding Material.

PI 561831  
**origin:** United States.  **cultivar:** IA34.  **pedigree:** Derived from A2Tx2753 x BS KS24.  **other id:** PL-149.  **source:** Crop Sci. 24(6):1227 1984.  **group:** CSR-SORGHUM.  **remarks:** Maintainer line. Used to provide additional cytoplasmic and genetic diversity as germplasm and as potential parents for hybrid seed production. Cultivated. Breeding Material. Seed.
PI 561832  
**origin:** United States.  
**cultivar:** IA35.  
**pedigree:** Derived from A2Tx2753 x B2 Dwarf Redlan, Tx2749.  
**other id:** PL-150.  
**group:** CSR-SORGHUM.  
**remarks:** Maintainer line. Used to provide additional cytoplasmic and genetic diversity as germplasm and as potential parents for hybrid seed production. Cultivated. Breeding Material.

PI 561833  
**origin:** United States.  
**cultivar:** IA36.  
**pedigree:** Derived from A2Tx2753 x B2, 83AS2296 (Sel. of TAM Bk-43).  
**other id:** PL-151.  
**group:** CSR-SORGHUM.  
**remarks:** Maintainer line. Used to provide additional cytoplasmic and genetic diversity as germplasm and as potential parents for hybrid seed production. Cultivated. Breeding Material.

PI 561834  
**origin:** United States.  
**cultivar:** IA37.  
**pedigree:** Derived from A2Tx2753 x B2, 83AS2297 (Sel. of TAM Bk-44).  
**other id:** PL-152.  
**group:** CSR-SORGHUM.  
**remarks:** Maintainer line. Used to provide additional cytoplasmic and genetic diversity as germplasm and as potential parents for hybrid seed production. Cultivated. Breeding Material. Seed.

PI 561835  
**origin:** United States.  
**cultivar:** IA38.  
**pedigree:** Derived from Al Redbine 58 x B1, 83AS2296 (Sel. of TAM Bk-43).  
**other id:** PL-153.  
**group:** CSR-SORGHUM.  
**remarks:** Maintainer line. Used to provide additional cytoplasmic and genetic diversity as germplasm and as potential parents for hybrid seed production. Cultivated. Breeding Material.

PI 561836  
**origin:** United States.  
**cultivar:** IA39.  
**pedigree:** Derived from Al Redbine 58 x B1, 83AS2297 (Sel. of TAM Bk-44).  
**other id:** PL-154.  
**group:** CSR-SORGHUM.  
**remarks:** Maintainer line. Used to provide additional cytoplasmic and genetic diversity as germplasm and as potential parents for hybrid seed production. Cultivated. Breeding Material.

PI 561837  
**origin:** United States.  
**cultivar:** IAP5R(M)C3.  
**pedigree:** Derived from controlled pollinations of 28 fertility-restorer lines (R-lines to milo Al cytoplasm system) onto bagged genetic male-sterile (ms3) panicles of IAP1R(M)C3.  
**other id:** GP-143.  
**group:** CSR-SORGHUM.  
**remarks:** Random-mating population. Highly variable for many plant and seed characteristics. Cultivated. Breeding Material. Seed.
PI 561838 to 561839. *Sorghum bicolor* (L.) Moench **POACEAE**

**Donated by:** Ross, W.M., University of Nebraska, East Campus, 329 Keim Hall, Lincoln, Nebraska 68583, United States. Received 1985.

**PI 561838**  
*origin:* United States.  
*cultivar:* RP2B(S1)C3(ECB).  
*pedigree:* Derived from RP2B.  
*other id:* GP-208.  
*group:* CSR-SORGHUM.  

**PI 561839**  
*origin:* United States.  
*cultivar:* RP4BR(S1)C3(ECB).  
*pedigree:* Derived from recurrent selection in NP11BR.  
*other id:* GP-209.  
*group:* CSR-SORGHUM.  

PI 561840. *Sorghum bicolor* (L.) Moench **POACEAE**

**Donated by:** Atkins, R.E., Iowa State University, Agronomy Building, Ames, Iowa 50011, United States. Received 1985.

*origin:* United States.  
*cultivar:* IAP4R(S1)C3.  
*pedigree:* Derived from 10 fertility restorer lines -- Tx7078, Tx7000 (Caprock), Tx2536, NB9040, Iowa selections Redbine 58 x Ak 9-2, & Redlan x OKY7, IS2403c, IS3063c, IS12567c, & IS12608c, & IS12608c temperate bulks.  
*other id:* GP-181.  
*group:* CSR-SORGHUM.  
*remarks:* Random-breeding population. Highly variable for plant and seed characteristics. Used to provide genetic recombinations for grain yield and other traits. Cultivated. Breeding Material.

PI 561841. *Sorghum bicolor* (L.) Moench **POACEAE**

**Donated by:** Iowa Agr. Exp. Sta., Iowa, United States. Received 1989.

*origin:* United States.  
*cultivar:* IAP6B(M)C3.  
*pedigree:* Derived from controlled pollinations of 21 nonrestorer lines (B-lines to the milo A1 cytoplasm system) onto bagged genetic male-sterile (ms3) panicles of IAP2B(M)C3 population.  
*other id:* GP-198.  
*group:* CSR-SORGHUM.  
PI 561842. Triticum aestivum L., nom. cons. POACEAE Wheat

Donated by: Johnson, J.W., Georgia Agr. Exp. Sta., University of Georgia, Griffin, Georgia 30223-1797, United States; and Agricultural Research Service -- USDA. remarks: GA-GORE. Received July 16, 1992.


PI 561843. Triticum aestivum L., nom. cons. POACEAE Common wheat

Donated by: Johnson, J.W., Georgia Agr. Exp. Sta., University of Georgia, Griffin, Georgia 30223-1797, United States; and Agricultural Research Service -- USDA. remarks: GA-ANDY. Received July 16, 1992.


PI 561844. X Triticosecale sp. POACEAE Triticale

PI 561844—continued


PI 561845. Medicago sativa L. FABACEAE Alfalfa


PI 561846 to 561855. Sorghum bicolor (L.) Moench POACEAE Sorghum


PI 561848
other id: PL-239. group: CSR-SORGHUM. restricted: CSR.

PI 561849
other id: PL-240. group: CSR-SORGHUM. restricted: CSR.
PI 561850  
donor id: 47900.  
origin: United States.  
developed: G. Ejeta, D.T. Rosenow.  
cultivar: P89005.  
pedigree: (TX2794*K22/35)-15-bk-2-2-bk-bk-bk.  
other id: PL-241.  
group: CSR-SORGHUM.  
restricted: CSR.  

PI 561851  
donor id: 47900.  
origin: United States.  
developed: G. Ejeta, D.T. Rosenow.  
cultivar: P89006.  
pedigree: (TX430*K1597)-10-bk-1-l-bk-bk-bk.  
other id: PL-242.  
group: CSR-SORGHUM.  
restricted: CSR.  
PI 561852  
**donor id:** 47900.  
**origin:** United States.  
**developed:** G. Ejeta, D.T. Rosenow.  
**origin institute:** Purdue University Indiana Agr. Exp. Sta., Dept. of Agronomy, West Lafayette, Indiana 47907-1150 United States.  
**cultivar:** P89007.  
**pedigree:** (TX430*K1597)-3-bk-2-2-bk-bk-bk.  
**other id:** PL-243.  
**group:** CSR-Sorghum.  
**restricted:** CSR.  
**remarks:** Restores fertility in A1 cytoplasm but fertility restoration in other cytoplasms is not known. Line showed broad adaptation with excellent potential for use both in US & Sudan, Africa. Superior drought tolerance, evident grain quality, & agronomic merit both as a germplasm line per se & in hybrid combinations. Excellent pollen shedder, leaf mid-ribs green, & endosperm texture hard. Panicles semi-compact & erect. Seeds yellow, translucent, & 2.35gm per 100. Epicarp white or colorless, mesocarp thin, endosperm yellow, & no testa. Spring Annual. Breeding Material. Seed.

PI 561853  
**donor id:** 47900.  
**origin:** United States.  
**developed:** G. Ejeta, D.T. Rosenow.  
**origin institute:** Purdue University Indiana Agr. Exp. Sta., Dept. of Agronomy, West Lafayette, Indiana 47907-1150 United States.  
**cultivar:** P89008.  
**pedigree:** (TX430*K443)-8-bk-1-1-bk-bk-bk.  
**other id:** PL-244.  
**group:** CSR-Sorghum.  
**restricted:** CSR.  
**remarks:** Restores fertility in A1 cytoplasm but fertility restoration in other cytoplasms is not known. Line showed broad adaptation with excellent potential for use both in US & Sudan, Africa. Superior drought tolerance, evident grain quality, & agronomic merit both as a germplasm line per se & in hybrid combinations. Excellent pollen shedder, leaf mid-ribs green, & endosperm texture hard. Panicles semi-compact & erect. Seeds yellow, translucent, & 3.90gm per 100. Epicarp white or colorless, mesocarp thin, endosperm yellow, & no testa. Spring Annual. Breeding Material. Seed.
PI 561846 to 561855-continued

PI 561854

PI 561855

PI 561856. Stenotaphrum secundatum (Walter) Kuntze POACEAE St. Augustinegrass

PI 561856-continued


PI 561857. Pennisetum glaucum (L.) R. Br. POACEAE Pearl millet

Donated by: Gupta, S.C., SADCC/ICRISAT, P.O. Box 776, Bulawayo, Zimbabwe. remarks: SDML 89107 Brown Midrib Pearl Millet. Received August 07, 1992.


PI 561858. Glycine max (L.) Merr. FABACEAE Soybean

PI 561858-continued


PI 561859. Zea mays L. subsp. mays POACEAE Corn

**Donated by**: Widstrom, N.W., Agricultural Research Service -- USDA, IBPMRL - Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793, United States; and Georgia Agr. Exp. Sta..  **remarks**: No Certificate Requested. Received August 13, 1992.


PI 561860. Glycine max (L.) Merr. FABACEAE Soybean

PI 561860-continued


PI 561861 to 561914. Triticum aestivum L., nom. cons. POACEAE Hard red winter wheat


PI 561861 origin: United States. developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. origin institute id: OK91G109. pedigree: 0K83398/Chisholm. other id: GS-7. group: CSR-WHEAT. restricted: CSR. remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561862  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G110.  
**pedigree:** OK83398/Chisholm.  
**other id:** GS-8.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-borne mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561863  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G111.  
**pedigree:** OK83398/Chisholm.  
**other id:** GS-9.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-borne mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561864  

**origin**: United States.  
**origin institute**: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id**: OK91G112.  
**pedigree**: 0K83398/Chisholm.  
**other id**: GS-10.  
**group**: CSR-WHEAT.  
**restricted**: CSR.  
**remarks**: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**

PI 561865  

**origin**: United States.  
**origin institute**: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id**: OK91G113.  
**pedigree**: 0K83398/Chisholm.  
**other id**: GS-11.  
**group**: CSR-WHEAT.  
**restricted**: CSR.  
**remarks**: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**
PI 561866  
origin: United States.  
origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
origin institute id: OK91G114.  
pedigree: 0K83398/Chisholm.  
other id: GS-12.  
group: CSR-WHEAT.  
restricted: CSR.  
remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. 

PI 561867  
origin: United States.  
origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
origin institute id: OK91G115.  
pedigree: 0K83398/Chisholm.  
other id: GS-13.  
group: CSR-WHEAT.  
restricted: CSR.  
remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. 
PI 561868  
**origin:** United States. **developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. **origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. **origin institute id:** OK91G116.  
**pedigree:** OK83398/Chisholm. **other id:** GS-14. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561869  
**origin:** United States. **developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. **origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. **origin institute id:** OK91G117.  
**pedigree:** OK83398/Chisholm. **other id:** GS-15. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561870  origin: United States. developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. origin institute id: OK91G118. pedigree: OK83398/Chisholm. other id: GS-16. group: CSR-WHEAT. restricted: CSR. remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561871  origin: United States. developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. origin institute id: OK91G119. pedigree: OK83398/Chisholm. other id: GS-17. group: CSR-WHEAT. restricted: CSR. remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561872  origin: United States.  developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  origin institute id: OK91G120.  pedigree: OK83398/Chisholm.  other id: GS-18.  group: CSR-WHEAT.  restricted: CSR.  remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561873  origin: United States.  developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  origin institute id: OK91G121.  pedigree: OK83398/Chisholm.  other id: GS-19.  group: CSR-WHEAT.  restricted: CSR.  remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561874  
origin: United States.  
origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
origin institute id: OK91G122.  
pedigree: 0K83398/Chisholm.  
other id: GS-20.  
group: CSR-WHEAT.  
restricted: CSR.  
remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
Winter Annual.  
Genetic Material.  
Seed.

PI 561875  
origin: United States.  
origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
origin institute id: OK91G123.  
pedigree: 0K83398/Chisholm.  
other id: GS-21.  
group: CSR-WHEAT.  
restricted: CSR.  
remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
Winter Annual.  
Genetic Material.  
Seed.
PI 561876  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G124.  
**pedigree:** OK83398/Chisholm.  
**other id:** GS-22.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type IB or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**

PI 561877  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G125.  
**pedigree:** OK83398/Chisholm.  
**other id:** GS-23.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type IB or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**
PI 561878  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith, W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G126.  
**pedigree:** OK83398/Chisholm.  
**other id:** GS-24.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**

PI 561879  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith, W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G127.  
**pedigree:** OK83398/Chisholm.  
**other id:** GS-25.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**
PI 561880  
origin: United States.  
origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
origin institute id: OK91G128.  
pedigree: 0K83398/Chisholm.  
other id: GS-26.  
group: CSR-WHEAT.  
restricted: CSR.  
remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
Winter Annual.  
Genetic Material.  
Seed.

PI 561881  
origin: United States.  
origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
origin institute id: OK91G129.  
pedigree: 0K83398/Chisholm.  
other id: GS-27.  
group: CSR-WHEAT.  
restricted: CSR.  
remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
Winter Annual.  
Genetic Material.  
Seed.
PI 561882 origin: United States. developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. origin institute id: OK91G130. pedigree: OK83398/Chisholm. other id: GS-28. group: CSR-WHEAT. restricted: CSR. remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561883 origin: United States. developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. origin institute id: OK91G131. pedigree: OK83398/Chisholm. other id: GS-29. group: CSR-WHEAT. restricted: CSR. remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561884  
origin: United States. developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. origin institute id: OK91G132. pedigree: OK83398/Chisholm. other id: GS-30. group: CSR-WHEAT. restricted: CSR. remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561885  
origin: United States. developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. origin institute id: OK91G133. pedigree: OK83398/Chisholm. other id: GS-31. group: CSR-WHEAT. restricted: CSR. remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561886 origin: United States. developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. origin institute id: OK91G134. pedigree: OK83398/Chisholm. other id: GS-32. group: CSR-WHEAT. restricted: CSR. remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561887 origin: United States. developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. origin institute id: OK91G135. pedigree: OK83398/Chisholm. other id: GS-33. group: CSR-WHEAT. restricted: CSR. remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561888  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G136.  
**pedigree:** OKB83398/Chisholm.  
**other id:** GS-34.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  

PI 561889  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G137.  
**pedigree:** OKB83398/Chisholm.  
**other id:** GS-35.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
PI 561890 origin: United States. developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. origin institute id: OK91G138. pedigree: OK83398/Chisholm. other id: GS-36. group: CSR-WHEAT. restricted: CSR. remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561891 origin: United States. developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. origin institute id: OK91G139. pedigree: OK83398/Chisholm. other id: GS-37. group: CSR-WHEAT. restricted: CSR. remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561892  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G140.  
**pedigree:** OK83398/Chisholm.  
**other id:** GS-38.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-borne mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. 

PI 561893  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G141.  
**pedigree:** OK83398/Chisholm.  
**other id:** GS-39.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-borne mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. 

PI 561861 to 561914—continued

PI 561894  origin: United States.  developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  origin institute id: OK91G142.  pedigree: OK83398/Chisholm.  other id: GS-40.  group: CSR-WHEAT.  restricted: CSR.  remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561895  origin: United States.  developed: B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  origin institute id: OK91G143.  pedigree: OK83398/Chisholm.  other id: GS-41.  group: CSR-WHEAT.  restricted: CSR.  remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561896  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G144.  
**pedigree:** OK83398/Chisholm.  
**other id:** GS-42.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**

PI 561897  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G145.  
**pedigree:** OK83398/Chisholm.  
**other id:** GS-43.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**
PI 561898  
**origin**: United States.  
**origin institute**: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id**: OK91G146.  
**pedigree**: OK83398/Chisholm.  
**other id**: GS-44.  
**group**: CSR-WHEAT.  
**restricted**: CSR.  
**remarks**: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**

PI 561899  
**origin**: United States.  
**origin institute**: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id**: OK91G147.  
**pedigree**: OK83398/Arkan.  
**other id**: GS-45.  
**group**: CSR-WHEAT.  
**restricted**: CSR.  
**remarks**: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**
PI 561900  
**origin**: United States.  
**origin institute**: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id**: OK91G148.  
**pedigree**: OK83398/Arkan.  
**other id**: GS-46.  
**group**: CSR-WHEAT.  
**restricted**: CSR.  
**remarks**: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type.  
Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  

PI 561901  
**origin**: United States.  
**origin institute**: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id**: OK91G149.  
**pedigree**: OK83398/Arkan.  
**other id**: GS-47.  
**group**: CSR-WHEAT.  
**restricted**: CSR.  
**remarks**: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type.  
Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
PI 561902  
origin: United States. 
origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. 
origin institute id: OK91G150. 
pedigree: OK83398/Arkan. 
other id: GS-48. 
group: CSR-WHEAT. 
restricted: CSR. 
remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. 

PI 561903  
origin: United States. 
origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. 
origin institute id: OK91G151. 
pedigree: OK83398/Arkan. 
other id: GS-49. 
group: CSR-WHEAT. 
restricted: CSR. 
remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. 
PI 561904  
**origin:** United States. **developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. **origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. **origin institute id:** OK91G152.  
**pedigree:** 0K83398/Arkan. **other id:** GS-50. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type IB or 1RS.1BL. 
**Winter Annual. Genetic Material. Seed.**

PI 561905  
**origin:** United States. **developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. **origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. **origin institute id:** OK91G153.  
**pedigree:** 0K83398/Arkan. **other id:** GS-51. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type IB or 1RS.1BL. 
**Winter Annual. Genetic Material. Seed.**
PI 561906  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G154.  
**pedigree:** 0K83398/Arkan.  
**other id:** GS-52.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-borne mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561907  
**origin:** United States.  
**developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id:** OK91G155.  
**pedigree:** 0K83398/Arkan.  
**other id:** GS-53.  
**group:** CSR-WHEAT.  
**restricted:** CSR.  
**remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-borne mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561908  
**origin**: United States.  
**origin institute**: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id**: OK91G156.  
**pedigree**: OK83398/Arkan.  
**other id**: GS-54.  
**group**: CSR-WHEAT.  
**restricted**: CSR.  
**remarks**: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**

PI 561909  
**origin**: United States.  
**origin institute**: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
**origin institute id**: OK91G157.  
**pedigree**: OK83398/Arkan.  
**other id**: GS-55.  
**group**: CSR-WHEAT.  
**restricted**: CSR.  
**remarks**: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
**Winter Annual. Genetic Material. Seed.**
PI 561910  

origin: United States.  
origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
origin institute id: OK91G158.  
pedigree: OK83398/Arkan.  
other id: GS-56.  
group: CSR-WHEAT.  
restricted: CSR.  
remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
Winter Annual.  
Genetic Material.  
Seed.

PI 561911  

origin: United States.  
origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
origin institute id: OK91G159.  
pedigree: OK83398/Arkan.  
other id: GS-57.  
group: CSR-WHEAT.  
restricted: CSR.  
remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL.  
Winter Annual.  
Genetic Material.  
Seed.
PI 561912  
**origin:** United States. **developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. **origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. **origin institute id:** OK91G160. **pedigree:** OK83398/Arkan. **other id:** GS-58. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561913  
**origin:** United States. **developed:** B.F. Carver, A.L. Rayburn, R.M. Hunger, E.L. Smith W.E. Whitmore. **origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States. **origin institute id:** OK91G161. **pedigree:** OK83398/Arkan. **other id:** GS-59. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL/1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.
PI 561914  
origin: United States.  
origin institute: Oklahoma Agr. Exp. Sta., Oklahoma State University, Dept. of Agronomy, Stillwater, Oklahoma 74078 United States.  
origin institute id: OK91G162.  
pedigree: OK83398/Arkan.  
other id: GS-60.  
group: CSR-WHEAT.  
restricted: CSR.  
remarks: Pairs of near-isolines differing for the presence or absence of 1RS.1BL were developed by selfing heterozygous plants (1RS.1BL//1B) in the F2 to F4 generations. One pair of homozygous near-isolines was isolated in each of 27 F5 families descending from a different F2 plant. No selection was imposed except for chromosome type. Segregation has been observed for plant stature (mostly semi-dwarf, some dwarf), and reaction to soil-born mosaic virus and tan spot (Pyrenophora tritici-repentis). This variation is not linked to chromosome type 1B or 1RS.1BL. Winter Annual. Genetic Material. Seed.

PI 561915. Cucumis metuliferus E. Mey. ex Naud.  
CUCURBITACEAE Horned cucumber jelly melon

Donated by: Provvidenti, R., New York State Agr. Exp. Sta., Cornell University, P.O. Box 462, Geneva, New York 14456, United States.  
Received July 23, 1992.  
origin: United States.  
pedigree: PI 292190 (S. Africa)/No. 2459 (Angola).  

PI 561916. Arachis hypogaea subsp. fastigiata Waldron  
FABACEAE Groundnut

Donated by: Dwivedi, S.L., ICRISAT, Patancheru P.O., Andhra Pradesh 502 324, India.  
remarks: ICGL6 (Puckered Leaf) Peanut Genetic Stock. Received July 31, 1992.
PI 561916-continued


PI 561917. Arachis hypogaea subsp. fastigiata Waldron FABACEAE Groundnut


PI 561918 to 561921. Helianthus annuus L. ASTERACEAE Sunflower

Donated by: Miller, J.F., Agricultural Research Service -- USDA, Northern Crop Science Laboratory, Fargo, North Dakota 58105, United States; and North Dakota Agr. Exp. Sta.. remarks: Two Reduced Height & Two Early Maturity Sunflower Germplasms Germplasms. Received July 31, 1992.
PI 561918 origin: United States. developed: J.F. Miller. origin institute: Agricultural Research Service -- USDA, Northern Crop Science Lab, P.O. Box 5677, Fargo, North Dakota 58105 United States. cultivar: HA 378. pedigree: F6-derived F7 maintainer lines selected from HA 821/DDR. other id: GP-177. group: CSR-SUNFLOWER. restricted: CSR. remarks: Converted to cytoplasmic male sterility (PET 1 cytoplasm) by backcross method. Produced hybrids which were 3-4 days later in both flowering and maturity, and 47cm shorter than check hybrids. May produce hybrids that have significantly less upright head inclination than Hybrid 894 or Hybrid cms HA 821/RHA 274. Homozygous for resistance to North American races of verticillium wilt (Verticillium dahliae). Level of self fertility slightly less than HA 821. Spring Annual. Breeding Material. Seed.

PI 561919 origin: United States. developed: J.F. Miller. origin institute: Agricultural Research Service -- USDA, Northern Crop Science Lab, P.O. Box 5677, Fargo, North Dakota 58105 United States. cultivar: HA 379. pedigree: F6-derived F7 maintainer lines selected from HA 821/DDR. other id: GP-178. group: CSR-SUNFLOWER. restricted: CSR. remarks: Converted to cytoplasmic male sterility (PET 1 cytoplasm) by backcross method. Produced hybrids with equivalent flowering and maturity and 51cm shorter than check hybrids. May produce hybrids that have significantly less upright head inclination than Hybrid 894 or Hybrid cms HA 821/RHA 274. Homozygous for resistance to North American races of verticillium wilt (Verticillium dahliae). Level of self fertility slightly less than HA 821. Spring Annual. Breeding Material. Seed.


PI 561922. Saccharum hybrid POACEAE Sugarcane

Donated by: Miller, J.D., Agricultural Research Service -- USDA, Sugarcane Field Station, Star Route, Box 8, Canal Point, Florida 33438, United States; and Florida Agr. Exp. Sta.; and Florida Sugar Cane League, Inc.. remarks: CP 81-1384 Sugarcane. Received July 31, 1992.

origin: United States. developed: P.Y.P. Tai, J.M. Shine, Jr., B. Glaz, J.D. Miller, C.W. Deren, J.C. Comstock. origin institute: Agricultural Research Service -- USDA, Sugarcane Field Station, Star Route, Box 8, Canal Point, Florida 33438 United States. cultivar: CP 81-1384. pedigree: CP 68-1067 (1)/CP 74-2013. other id: CV-92. group: CSR-SUGARCANE. restricted: CSR. remarks: Higher cane yields results in 103% & 107% of sugar per acre of CP70-1133 & CP72-1210 checks. Med. to large dia. stalks yellow green under leaf sheath, brownish in areas exposed to sun. Normally doesn't flower under FL conditions. Recommend planting on warm muck & sandy soils. Disease resistance adequate (for commercial production in FL) to sugarcane mosaic virus, leaf scald (Xanthomonas albilineans), eye spot (Bipolaris sacchari) & smut (Ustilago scitaminea). Sporulating pustules of rust (Puccinia melanocephala) have been observed, yet no evidence of economic impact. Cultivar. Cutting.

PI 561923 to 561925. Gossypium barbadense L. MALVACEAE Cotton

PI 561923 origin: United States. developed: R.G. Percy, E.L. Turcotte. origin institute: Agricultural Research Service -- USDA, Maricopa Agricultural Center, Maricopa, Arizona 85239 United States. cultivar: 8327. pedigree: Individual plant selection within an F2 population created from a mass cross of shorter-statured, earlier maturing Pima experimental strains. A subsequent single plant selection was made in the F3 generation. other id: American Pima. other id: GP-508. group: CSR-COTTON. restricted: CSR. remarks: Short-statured. Maturity early. Plant height averages 70cm and matured 60% of its total yield 180 days after planting. Yields averaged 1218kg ha-1 in small plot tests. Fiber properties average 31.2mm for 2.5% staple length, 49.3% for length uniformity, 287kN m kg-1 for T1 strength, and 4.14 for micronaire. Tested as a parent for interspecific F1 hybrids and found to significantly reduce hybrid plant size and maturity time. Breeding Material. Seed.

PI 561924 origin: United States. developed: R.G. Percy, E.L. Turcotte. origin institute: Agricultural Research Service -- USDA, Maricopa Agricultural Center, Maricopa, Arizona 85239 United States. cultivar: 84514. pedigree: Pima experimental strains 8004-95-5/7907-38-5-4. other id: American Pima. other id: GP-509. group:CSR-COTTON. restricted: CSR. remarks: Short-statured. Maturity early. Plant height averages 63cm and matured 73% of its total yield 180 days after planting. Yields averaged 998kg ha-1 lint in small plot tests. Fiber properties average 28.9mm for 2.5% staple length, 50.5% for length uniformity, 288kN m kg-1 for T1 strength, and 5.07 for micronaire. Tested as a parent for interspecific F1 hybrids and found to significantly reduce hybrid plant size and maturity time. Breeding Material. Seed.

PI 561925 origin: United States. developed: R.G. Percy, E.L. Turcotte. origin institute: Agricultural Research Service -- USDA, Maricopa Agricultural Center, Maricopa, Arizona 85239 United States. cultivar: 84524. pedigree: Pima experimental strains 7804/b2067Ge. other id: American Pima. other id: GP-510. group: CSR-COTTON. restricted: CSR. remarks: Short-statured. Maturity early. Plant height averages 60cm and matured 75% of its total yield 180 days after planting. Yields averaged 643kg ha-1 in small plot tests. Fiber properties average 27.4mm for 2.5% staple length, 45.1% for length uniformity, 235kN m kg-1 for T1 strength, and 3.96 for micronaire. Tested as a parent for interspecific F1 hybrids and found to significantly reduce hybrid plant size and maturity time. Breeding Material. Seed.
PI 561926. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Northrup King Company, United States. Received August 11, 1992.


PI 561927. Hordeum vulgare L. subsp. vulgare POACEAE Barley

Donated by: Farmers Marketing Corporation, United States. Received August 11, 1992.


PI 561928. Triticum turgidum L. POACEAE Durum wheat

Donated by: Farmers Marketing Corporation, United States. Received August 11, 1992.


PI 561929. Zea mays L. subsp. mays POACEAE Field corn

Donated by: Limagrain Genetics, United States. Received August 11, 1992.


PI 561930. Cucurbita pepo L. CUCURBITACEAE Pumpkin

Donated by: Johnny's Selected Seeds, United States. Received August 11, 1992.

PI 561931. *Phaseolus vulgaris* L. FABACEAE Garden bean

*Donated by:* Del Monte Corporation, United States. Received August 11, 1992.


PI 561932. *Phaseolus vulgaris* L. FABACEAE Garden bean

*Donated by:* Del Monte Corporation, United States. Received August 11, 1992.


PI 561933. *Triticum aestivum* L., nom. cons. POACEAE Wheat

*Donated by:* Texas Agr. Exp. Sta., Texas, United States. Received August 11, 1992.


PI 561934. *Lobelia erinus* L. CAMPANULACEAE Lobelia

*Donated by:* John Bodger & Sons Company, United States. Received August 11, 1992.


PI 561935. *Lobelia erinus* L. CAMPANULACEAE Lobelia

*Donated by:* John Bodger & Sons Company, United States. Received August 11, 1992.

PI 561936. Tagetes patula L. ASTERACEAE Marigold

**Donated by:** John Bodger & Sons Company, United States. Received August 11, 1992.


PI 561937. Tagetes patula L. ASTERACEAE Marigold

**Donated by:** John Bodger & Sons Company, United States. Received August 11, 1992.


PI 561938. Tagetes patula L. ASTERACEAE Marigold

**Donated by:** John Bodger & Sons Company, United States. Received August 11, 1992.


PI 561939. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Rogers NK Seed Company, United States. Received August 11, 1992.


PI 561940. Allium cepa L. LILIACEAE Onion

**Donated by:** Shamrock Seed Company, United States. Received August 11, 1992.

PI 561941. Gossypium hirsutum L. MALVACEAE Cotton


PI 561942 to 561944. Trifolium incarnatum L. FABACEAE Crimson clover

Donated by: Owsley, C.M., Soil Conservation Service -- USDA, Americus Plant Materials Center, Rt. 6, Box 417 Morris Drive, Americus, Georgia 31709, United States. remarks: Received through USDA-SCS, National Plant Materials Center, Bldg. 509, BARC-East, Beltsville, Maryland 20705. Received July 31, 1992.


PI 561944

PI 561945 to 561947. Vicia villosa Roth FABACEAE Hairy vetch

Donated by: Owsley, C.M., Soil Conservation Service -- USDA, Americus Plant Materials Center, Rt. 6, Box 417 Morris Drive, Americus, Georgia 31709, United States. remarks: Received through USDA-SCS, National Plant Materials Center, Bldg 509, BARC-East, Beltsville, Maryland 20705. Received July 31, 1992.

PI 561945

PI 561946

196
PI 561945 to 561947-continued

PI 561947  
origin: United States.  
pedigree: Selection from 9053961.  

PI 561948.  
Triticum aestivum L., nom. cons.  
POACEAE  
Wheat

Donated by: Porter, D.R., Agricultural Research Service -- USDA, 1301 N Western St., Stillwater, Oklahoma 74075, United States; and Oklahoma Agr. Exp. Sta..

origin: United States.  
origin institute: Agricultural Research Service -- USDA, 1301 N. Western St., Stillwater, Oklahoma 74075 United States.  
origin institute id: GRS1201.  
other id: GP-357.  
group: CSR-WHEAT.  
restricted: CSR.  

PI 561949 to 562027.  
Gossypium hirsutum L.  
MALVACEAE  
Cotton

Donated by: McCarty, J.C., Agricultural Research Service -- USDA, Crop Science Research Laboratory, Mississippi State, Mississippi 39762, United States.  
remarks: Seventy-nine Day-Neutral Primitive Cotton Germplasms.  
Received August 20, 1992.
PI 561949  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0002.  
pedigree:  
T-0002/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-511.  
group: CSR-COTTON.  
restricted: CSR.  

PI 561950  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0007.  
pedigree:  
T-0007/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-512.  
group: CSR-COTTON.  
restricted: CSR.  
PI 561951  
**origin:** United States.  
**developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-9044-0017.  
**pedigree:** T-0017/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
**other id:** GP-513.  
**group:** CSR-COTTON.  
**restricted:** CSR.  

PI 561952  
**origin:** United States.  
**developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-9044-0024.  
**pedigree:** T-0024/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
**other id:** GP-514.  
**group:** CSR-COTTON.  
**restricted:** CSR.  
PI 561953  
**origin**: United States.  
**developed**: J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar**: M-9044-0030.  
**pedigree**: T-0030/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id**: GP-515.  
**group**: CSR-COTTON.  
**restricted**: CSR.  

PI 561954  
**origin**: United States.  
**developed**: J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar**: M-9044-0031.  
**pedigree**: T-0031/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id**: GP-516.  
**group**: CSR-COTTON.  
**restricted**: CSR.  
PI 561955  
origin: United States. developed: J.C. McCarty, Jr., J.N. Jenkins. origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States. cultivar: M-9044-0032. pedigree: T-0032/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4]. other id: GP-517. group: CSR-COTTON. restricted: CSR. remarks: Day-neutral line developed from photoperiodic primitive race stock T-0032. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.

PI 561956  
PI 561957

origin: United States.  developed: J.C. McCarty, Jr., J.N. Jenkins.  origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0036.  

pedigree: T-0036/Deltapine 16.  Day-neutral plants were selected in the F2.  Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  [BC4F4].  
other id: GP-519.  group: CSR-COTTON.  

PI 561958

origin: United States.  developed: J.C. McCarty, Jr., J.N. Jenkins.  origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0040.  

pedigree: T-0040/Deltapine 16.  Day-neutral plants were selected in the F2.  Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  [BC4F4].  
other id: GP-520.  group: CSR-COTTON.  
PI 561959  
**origin:** United States.  **developed:** J.C. McCarty, Jr., J.N. Jenkins.  **origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  **cultivar:** M-9044-0043.  **pedigree:** T-0043/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
**other id:** GP-521.  **group:** CSR-COTTON.  **restricted:** CSR.  **remarks:** Day-neutral line developed from photoperiodic primitive race stock T-0043. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.

PI 561960  
**origin:** United States.  **developed:** J.C. McCarty, Jr., J.N. Jenkins.  **origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  **cultivar:** M-9044-0045.  **pedigree:** T-0045/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
**other id:** GP-522.  **group:** CSR-COTTON.  **restricted:** CSR.  **remarks:** Day-neutral line developed from photoperiodic primitive race stock T-0045. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.
PI 561961  
**origin**: United States.  
**developed**: J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar**: M-9044-0048.  
**pedigree**: T-0048/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
**other id**: GP-523.  
**group**: CSR-COTTON.  
**restricted**: CSR.  

PI 561962  
**origin**: United States.  
**developed**: J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar**: M-8744-0053.  
**pedigree**: T-0053/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
**other id**: GP-524.  
**group**: CSR-COTTON.  
**restricted**: CSR.  
PI 561963  
origin: United States.  
developed: J.C. McCarty, Jr.,  
J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-8844-0055.  
pedigree: T-0055/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
other id: GP-525.  
group: CSR-COTTON.  
restricted: CSR.  

PI 561964  
origin: United States.  
developed: J.C. McCarty, Jr.,  
J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0057.  
pedigree: T-0057/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
other id: GP-526.  
group: CSR-COTTON.  
restricted: CSR.  
PI 561965  
**origin:** United States.  
**developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-9044-0060.  
**pedigree:** T-0060/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
**[BC4F4].**  
**other id:** GP-527.  
**group:** CSR-COTTON.  
**restricted:** CSR.  

PI 561966  
**origin:** United States.  
**developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-9044-0061.  
**pedigree:** T-0061/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
**[BC4F4].**  
**other id:** GP-528.  
**group:** CSR-COTTON.  
**restricted:** CSR.  
PI 561967  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0062.  
pedigree: T-0062/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-529.  
group: CSR-COTTON.  
restricted: CSR.  

PI 561968  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0063.  
pedigree: T-0063/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-530.  
group: CSR-COTTON.  
other id: W6 9808.  
group: W6.  
restricted: CSR.  
PI 561969  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0067.  
pedigree:  
T-0067/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-531.  
group: CSR-COTTON.  
other id: W6 9809.  
group: W6.  
restricted: CSR.  
remarks:  

PI 561970  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0068.  
pedigree:  
T-0068/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-532.  
group: CSR-COTTON.  
other id: W6 9810.  
group: W6.  
restricted: CSR.  
remarks:  

PI 561973  
**origin:** United States. **developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States. **cultivar:** M-8844-0076.  
**pedigree:** T-0076/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4]. **other id:** GP-535. **group:** CSR-COTTON.  

PI 561974  
**origin:** United States. **developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States. **cultivar:** M-9044-0077.  
**pedigree:** T-0077/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4]. **other id:** GP-536. **group:** CSR-COTTON.  
PI 561975  
**origin:** United States.  
**developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-8744-0078.  
**pedigree:** T-0078/Deltapine 16.  
Day-neutral plants were selected in the F2.  
Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id:** GP-537.  
**group:** CSR-COTTON.  
**restricted:** CSR.  
**remarks:** Day-neutral line developed from photoperiodic primitive race stock T-0078.  
Agronomic and fiber data can be found in the following publication:  

PI 561976  
**origin:** United States.  
**developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-8744-0087.  
**pedigree:** T-0087/Deltapine 16.  
Day-neutral plants were selected in the F2.  
Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id:** GP-538.  
**group:** CSR-COTTON.  
**restricted:** CSR.  
**remarks:** Day-neutral line developed from photoperiodic primitive race stock T-0087.  
Agronomic and fiber data can be found in the following publication:  
PI 561977  
**origin**: United States.  
**developed**: J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar**: M-8744-0088.  
**pedigree**: T-0088/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id**: GP-539.  
**group**: CSR-COTTON.  
**restricted**: CSR.  

PI 561978  
**origin**: United States.  
**developed**: J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar**: M-8744-0091.  
**pedigree**: T-0091/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id**: GP-540.  
**group**: CSR-COTTON.  
**restricted**: CSR.  
PI 561979  origin: United States.  developed: J.C. McCarty, Jr., J.N. Jenkins.  origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  cultivar: M-8844-0096.  pedigree: T-0096/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  other id: GP-541.  group: CSR-COTTON.  restricted: CSR.  remarks: Day-neutral line developed from photoperiodic primitive race stock T-0096. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.

PI 561980  origin: United States.  developed: J.C. McCarty, Jr., J.N. Jenkins.  origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  cultivar: M-8844-0100.  pedigree: T-0100/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  other id: GP-542.  group: CSR-COTTON.  restricted: CSR.  remarks: Day-neutral line developed from photoperiodic primitive race stock T-0100. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.
PI 561981  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0101.  
pedigree: 
T-0101/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-543.  
group: CSR-COTTON.  
restricted: CSR.  

PI 561982  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-8844-0102.  
pedigree: 
T-0102/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-544.  
group: CSR-COTTON.  
restricted: CSR.  
PI 561983  origin: United States. developed: J.C. McCarty, Jr.,
J.N. Jenkins. origin institute: Agricultural Research
Service -- USDA, Crop Science Research Laboratory, P.O.
Box 5367, Mississippi State, Mississippi 39762 United
States. cultivar: M-8844-0104. pedigree:
T-0104/Deltapine 16. Day-neutral plants were selected in
the F2. Day-neutral progenies were then backcrossed four
times to the primitive parent and selected for
day-neutrality in the F2 following each backcross. 
[BC4F4]. other id: GP-545. group: CSR-COTTON.
restricted: CSR. remarks: Day-neutral line developed
from photoperiodic primitive race stock T-0104. Agronomic
and fiber data can be found in the following publication:
germplasm: Characteristics of 79 day-neutral primitive
accessions. Mississippi Agric. and For. Exp. Stn. Tech

PI 561984  origin: United States. developed: J.C. McCarty, Jr.,
J.N. Jenkins. origin institute: Agricultural Research
Service -- USDA, Crop Science Research Laboratory, P.O.
Box 5367, Mississippi State, Mississippi 39762 United
States. cultivar: M-8744-0106. pedigree:
T-0106/Deltapine 16. Day-neutral plants were selected in
the F2. Day-neutral progenies were then backcrossed four
times to the primitive parent and selected for
day-neutrality in the F2 following each backcross. 
[BC4F4]. other id: GP-546. group: CSR-COTTON.
restricted: CSR. remarks: Day-neutral line developed
from photoperiodic primitive race stock T-0106. Agronomic
and fiber data can be found in the following publication:
germplasm: Characteristics of 79 day-neutral primitive
accessions. Mississippi Agric. and For. Exp. Stn. Tech
PI 561985  **origin**: United States.  **developed**: J.C. McCarty, Jr., J.N. Jenkins.  **origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  **cultivar**: M-8844-0113.  **pedigree**: T-0113/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  **[BC4F4]**.  **other id**: GP-547.  **group**: CSR-COTTON.  **restricted**: CSR.  **remarks**: Day-neutral line developed from photoperiodic primitive race stock T-0113. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.

PI 561986  **origin**: United States.  **developed**: J.C. McCarty, Jr., J.N. Jenkins.  **origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  **cultivar**: M-9044-0117.  **pedigree**: T-0117/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  **[BC4F4]**.  **other id**: GP-548.  **group**: CSR-COTTON.  **restricted**: CSR.  **remarks**: Day-neutral line developed from photoperiodic primitive race stock T-0117. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.
PI 561987 origin: United States. developed: J.C. McCarty, Jr., J.N. Jenkins. origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States. cultivar: M-8744-0119. pedigree: T-0119/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4]. other id: GP-549. group: CSR-COTTON. restricted: CSR. remarks: Day-neutral line developed from photoperiodic primitive race stock T-0119. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.

PI 561989  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-8844-0121.  
pedigree: T-0121/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
other id: GP-551.  
group: CSR-COTTON.  
restricted: CSR.  

PI 561990  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0124.  
pedigree: T-0124/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
other id: GP-552.  
group: CSR-COTTON.  
restricted: CSR.  
PI 561991  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0140.  
pedigree: T-0140/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
other id: GP-553.  
group: CSR-COTTON.  
restricted: CSR.  

PI 561992  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0150.  
pedigree: T-0150/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
other id: GP-554.  
group: CSR-COTTON.  
restricted: CSR.  
PI 561993  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0151.  
pedigree:  
T-0151/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
other id: GP-555.  
group: CSR-COTTON.  
restricted: CSR.  

PI 561994  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0154.  
pedigree:  
T-0154/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
other id: GP-556.  
group: CSR-COTTON.  
restricted: CSR.  
PI 561995  

cultivar: M-9044-0155.  

day-neutral progeny were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  

PI 561996  

cultivar: M-9044-0156.  

day-neutral progeny were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  

origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
pedigree: T-0155/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  

other id: GP-558.  
group: CSR-COTTON.  

origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0155.  
pedigree: T-0155/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  

other id: GP-558.  
group: CSR-COTTON.  
PI 561949 to 562027-continued

PI 561997  
**origin:** United States.  
**developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-8744-0158.  
**pedigree:** T-0158/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
**other id:** GP-559.  
**group:** CSR-COTTON.  
**restricted:** CSR.  

PI 561998  
**origin:** United States.  
**developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-9044-0162.  
**pedigree:** T-0162/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  
**other id:** GP-560.  
**group:** CSR-COTTON.  
**restricted:** CSR.  
PI 561999  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0164.  
pedigree: T-0164/Deltapine 16.  
Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-561.  
group: CSR-COTTON.  
restricted: CSR.  
Breeding Material.  
Seed.  

PI 562000  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0165.  
pedigree: T-0165/Deltapine 16.  
Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-562.  
group: CSR-COTTON.  
restricted: CSR.  
Breeding Material.  
Seed.
PI 562001  
**origin:** United States.  **developed:** J.C. McCarty, Jr., J.N. Jenkins.  **origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  **cultivar:** M-8744-0168.  **pedigree:** T-0168/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  **[BC4F4].**  **other id:** GP-563.  **group:** CSR-COTTON.  **restricted:** CSR.  **remarks:** Day-neutral line developed from photoperiodic primitive race stock T-0168. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.

PI 562002  
**origin:** United States.  **developed:** J.C. McCarty, Jr., J.N. Jenkins.  **origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  **cultivar:** M-9044-0170.  **pedigree:** T-0170/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  **[BC4F4].**  **other id:** GP-564.  **group:** CSR-COTTON.  **restricted:** CSR.  **remarks:** Day-neutral line developed from photoperiodic primitive race stock T-0170. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.
PI 562003  
**origin:** United States. **developed:** J.C. McCarty, Jr., J.N. Jenkins. **origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-8744-0174. **pedigree:** T-0174/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
**[BC4F4].** **other id:** GP-565. **group:** CSR-COTTON.  

PI 562004  
**origin:** United States. **developed:** J.C. McCarty, Jr., J.N. Jenkins. **origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-8744-0175. **pedigree:** T-0175/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
**[BC4F4].** **other id:** GP-566. **group:** CSR-COTTON.  
PI 561949 to 562027-continued

PI 562005  
**origin:** United States.  **developed:** J.C. McCarty, Jr., J.N. Jenkins.  **origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  **cultivar:** M-9044-0180.  **pedigree:** T-0180/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  **[BC4F4].**  **other id:** GP-567.  **group:** CSR-COTTON.  **restricted:** CSR.  **remarks:** Day-neutral line developed from photoperiodic primitive race stock T-0180. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.

PI 562006  
**origin:** United States.  **developed:** J.C. McCarty, Jr., J.N. Jenkins.  **origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  **cultivar:** M-9044-0182.  **pedigree:** T-0182/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  **[BC4F4].**  **other id:** GP-568.  **group:** CSR-COTTON.  **restricted:** CSR.  **remarks:** Day-neutral line developed from photoperiodic primitive race stock T-0182. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.
PI 562007  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0197.  
pedigree:  
T-0197/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-569.  
group: CSR-COTTON.  
restricted: CSR.  

PI 562008  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0206.  
pedigree:  
T-0206/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-570.  
group: CSR-COTTON.  
restricted: CSR.  
PI 562009  
**origin**: United States.  
**developed**: J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar**: M-9044-0212.  
**pedigree**:  
T-0212/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id**: GP-571.  
**group**: CSR-COTTON.  
**restricted**: CSR.  

PI 562010  
**origin**: United States.  
**developed**: J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar**: M-9044-0215.  
**pedigree**:  
T-0215/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id**: GP-572.  
**group**: CSR-COTTON.  
**restricted**: CSR.  

PI 562012  origin: United States.  developed: J.C. McCarty, Jr., J.N. Jenkins.  origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  cultivar: M-8744-0228.  pedigree: T-0228/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  [BC4F4].  other id: GP-574.  group: CSR-COTTON.  restricted: CSR.  remarks: Day-neutral line developed from photoperiodic primitive race stock T-0228. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.
PI 562013  
**origin**: United States.  
**developed**: J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar**: M-9044-0237.  
**pedigree**: T-0237/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id**: GP-575.  
**group**: CSR-COTTON.  
**restricted**: CSR.  

PI 562014  
**origin**: United States.  
**developed**: J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar**: M-9044-0239.  
**pedigree**: T-0239/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id**: GP-576.  
**group**: CSR-COTTON.  
**restricted**: CSR.  
PI 561949 to 562027-continued

PI 562015  
**origin:** United States.  **developed:** J.C. McCarty, Jr., J.N. Jenkins.  **origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  **cultivar:** M-8844-0243.  **pedigree:** T-0243/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
**[BC4F4].**  **other id:** GP-577.  **group:** CSR-COTTON.  **restricted:** CSR.  **remarks:** Day-neutral line developed from photoperiodic primitive race stock T-0243. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.

PI 562016  
**origin:** United States.  **developed:** J.C. McCarty, Jr., J.N. Jenkins.  **origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  **cultivar:** M-9044-0244.  **pedigree:** T-0244/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
**[BC4F4].**  **other id:** GP-578.  **group:** CSR-COTTON.  **restricted:** CSR.  **remarks:** Day-neutral line developed from photoperiodic primitive race stock T-0244. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.
PI 562017  
**origin:** United States.  
**developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-9044-0245.  
**pedigree:** T-0245/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id:** GP-579.  
**group:** CSR-COTTON.  
**restricted:** CSR.  

PI 562018  
**origin:** United States.  
**developed:** J.C. McCarty, Jr., J.N. Jenkins.  
**origin institute:** Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
**cultivar:** M-9044-0247.  
**pedigree:** T-0247/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
**other id:** GP-580.  
**group:** CSR-COTTON.  
**restricted:** CSR.  
PI 562019  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-8744-0257.  
pedigree: T-0257/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-581.  
group: CSR-COTTON.  
restricted: CSR.  

PI 562020  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-8744-0326.  
pedigree: T-0326/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-582.  
group: CSR-COTTON.  
restricted: CSR.  
PI 562021  origin: United States.  developed: J.C. McCarty, Jr., J.N. Jenkins.  origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  cultivar: M-9044-0570.  pedigree: T-0570/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  other id: GP-583.  group: CSR-COTTON.  restricted: CSR.  remarks: Day-neutral line developed from photoperiodic primitive race stock T-0570. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.

PI 562022  origin: United States.  developed: J.C. McCarty, Jr., J.N. Jenkins.  origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  cultivar: M-8744-0612.  pedigree: T-0612/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4].  other id: GP-584.  group: CSR-COTTON.  restricted: CSR.  remarks: Day-neutral line developed from photoperiodic primitive race stock T-0612. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.
PI 562023 origin: United States. developed: J.C. McCarty, Jr., J.N. Jenkins. origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States. cultivar: M-9044-0633. pedigree: T-0633/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.


PI 562024 origin: United States. developed: J.C. McCarty, Jr., J.N. Jenkins. origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States. cultivar: M-9044-0634. pedigree: T-0634/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.

PI 562025  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-0641.  
pedigree:  
T-0641/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-587.  
group: CSR-COTTON.  
restricted: CSR.  

PI 562026  
origin: United States.  
developed: J.C. McCarty, Jr., J.N. Jenkins.  
origin institute: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States.  
cultivar: M-9044-1000.  
pedigree:  
T-1000/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross.  
[BC4F4].  
other id: GP-588.  
group: CSR-COTTON.  
restricted: CSR.  
PI 562027  
**origin**: United States. **developed**: J.C. McCarty, Jr., J.N. Jenkins. **origin institute**: Agricultural Research Service -- USDA, Crop Science Research Laboratory, P.O. Box 5367, Mississippi State, Mississippi 39762 United States. **cultivar**: M-8744-1149. **pedigree**: T-1149/Deltapine 16. Day-neutral plants were selected in the F2. Day-neutral progenies were then backcrossed four times to the primitive parent and selected for day-neutrality in the F2 following each backcross. [BC4F4]. **other id**: GP-589. **group**: CSR-COTTON. **restricted**: CSR. **remarks**: Day-neutral line developed from photoperiodic primitive race stock T-1149. Agronomic and fiber data can be found in the following publication: McCarty, Jack C., Jr., and J.N. Jenkins. 1992. Cotton germplasm: Characteristics of 79 day-neutral primitive accessions. Mississippi Agric. and For. Exp. Stn. Tech Bull. 184 (In Press). Breeding Material. Seed.

PI 562028 to 562030. Hordeum vulgare L. subsp. vulgare POACEAE Barley

**Donated by**: Kolding, M.F., Oregon Agr. Exp. Sta., 1910 SW 44, Pendleton, Oregon 97801-4221, United States. Received August 01, 1992.

PI 562028  

PI 562029  

PI 562031. Arachis hypogaea L.  FABACEAE  Peanut

Donated by: Williams, D.E., Agricultural Research Service -- USDA, National Germplasm Resources Lab, Bldg. 003, 4th Floor, Beltsville, Maryland 20705-2350, United States.  Received August 24, 1992.


PI 562032. Cicer arietinum L.  FABACEAE  Chickpea


PI 562033 to 562034. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: ICRISAT, Patancheru P.O., Andhra Pradesh 502 324, India. remarks: Received through R.A. Fredriksen, Texas A&M University, College Station, Texas 77843. Received August 06, 1992.

PI 562034 origin: India. cultivar: IRAT 204. Cultivated. Seed.

PI 562035. Glycyrrhiza uralensis Fischer ex DC. FABACEAE Legume


PI 562036 to 562044. Elymus lanceolatus (Scribner & J. G. Smith) Gould subsp. lanceolatus POACEAE

Donated by: Jones, T.A., Agricultural Research Service -- USDA, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received August 28, 1992.


PI 562045 to 562048. Leymus cinereus (Scribner & Merr.) A. Love POACEAE Basin wild rye

Donated by: Jones, T.A., Agricultural Research Service -- USDA, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received August 28, 1992.


PI 562047

PI 562048

PI 562049 to 562064. Pseudoroegneria spicata (Pursh) A. Love POACEAE
Bluebunch wheatgrass

Donated by: Jones, T.A., Agricultural Research Service -- USDA, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received August 28, 1992.

PI 562049

PI 562050

PI 562051

PI 562052

PI 562053
PI 562062  
donor id: ACC:252.  
origin: United States.  
collected: September 04, 1980.  
other id: W6 10200.  
group: W6.  
locality: 40m S Wells, Elko County.  
received as: Pseudoroegneria spicata.  
Perennial.  
Wild.  
Seed.

PI 562063  
donor id: ACC:253.  
origin: United States.  
collected: August 22, 1980.  
collector: Kay H. Asay.  
collector id: ACC:253.  
other id: W6 10201.  
group: W6.  
locality: 5m N Meeteetse, Park County.  
received as: Pseudoroegneria spicata.  
Perennial.  
Wild.  
Seed.

PI 562064  
donor id: T-458.  
origin: United States.  
collector: Thomas A. Jones, Kevin B. Jensen.  
collector id: T-458.  
other id: W6 10202.  
group: W6.  
locality: 9m W Poudre Park, Larimer County.  
received as: Pseudoroegneria spicata.  
Perennial.  
Wild.  
Seed.

PI 562065 to 562087. Sorghum bicolor (L.) Moench  
POACEAE  
Sorghum

Donated by: Guarino, L., IBPGR, Agricultural Research Institute,  
Min. of Agric. & Nat. Resources, P.O. Box 2016, Nicosia, Cyprus.  
remarks: Received through IBPGR-Sponsored Joint Crop Germplasm  
Collection Between IRAZ and INERA. Inspected under BE 4079.  
Received May 05, 1992.

PI 562065  
donor id: GMN 10.  
origin: Burundi.  
collector id: GMN 10.  
Cultivated.  
Seed.

PI 562066  
donor id: GMN 15.  
origin: Burundi.  
collector id: GMN 15.  
Cultivated.  
Seed.

PI 562067  
donor id: GMN 103.  
origin: Burundi.  
collector id: GMN 103.  
Cultivated.  
Seed.

PI 562068  
donor id: GMN 110.  
origin: Burundi.  
collector id: GMN 110.  
Cultivated.  
Seed.

PI 562069  
donor id: GMN 151.  
origin: Burundi.  
collector id: GMN 151.  
Cultivated.  
Seed.

PI 562070  
donor id: GMN 163.  
origin: Burundi.  
collector id: GMN 163.  
Cultivated.  
Seed.

PI 562071  
donor id: GMN 169.  
origin: Burundi.  
collector id: GMN 169.  
Cultivated.  
Seed.

PI 562072  
donor id: GMN 171.  
origin: Burundi.  
collector id: GMN 171.  
Cultivated.  
Seed.
PI 562065 to 562087-continued


PI 562078 donor id: GMN 244. origin: Burundi. collector id: GMN 244. Cultivated. Seed.


PI 562088 to 562141. Zea mays L. subsp. mays POACEAE Corn

Donated by: Guarino, L., IBPGR, Agricultural Research Institute, Min. of Agric. & Nat. Resources, P.O. Box 2016, Nicosia, Cyprus. remarks: Received through IBPGR-Sponsored Joint Crop Germplasm Collection Between IRAZ and INERA. Inspected under BE 4079. Received May 05, 1992.


245
PI 562088 to 562141-continued


PI 562088 to 562141-continued


247
PI 562088 to 562141-continued

PI 562137 donor id: GMN 283. origin: Burundi. collector id: GMN

PI 562138 donor id: GMN 284. origin: Burundi. collector id: GMN

PI 562139 donor id: GMN 290. origin: Burundi. collector id: GMN

PI 562140 donor id: GMN 306. origin: Burundi. collector id: GMN

PI 562141 donor id: GMN 313. origin: Burundi. collector id: GMN

PI 562142. Lespedeza cuneata (Dum.-Cours.) G. Don FABACEAE Sericea 
lespedeza

Donated by: Mosjidis, J.A., Alabama Agr. Exp. Sta., Dept. of
Agronomy, 201 Funchess Hall, Auburn, Alabama 36849-5412, United
States. Received November 05, 1992.

origin: United States. developed: E.D. Donnelly. origin
institute: Alabama Agr. Exp. Sta., Auburn University,
Auburn, Alabama United States. cultivar: INTERSTATE.
pedigree: Cleistogamous dormant seed of Alabama inbred
line 1373 were treated with ionizing radiation. Pureline
breeding followed to X6. other id: CV-6. source: Crop
Sci. 11(4):601 1971. group: CSR-LESPEDEZA. remarks:
Developed to meet growth requirements on highway rights
of way and similar conservation uses. Perennial.
Cultivar. Seed.

PI 562143. Heteropogon contortus (L.) P. Beauv. ex Roemer & Schultes
POACEAE Tanglehead

Donated by: Pater, M.J., Soil Conservation Service -- USDA, Tucson
Plant Materials Center, Tucson, Arizona 85705-9223, United States;
and Arizona Agr. Exp. Sta.. remarks: Rocker Tanglehead. Received
PI 562143-continued

origin: United States. developed: M.J. Pater. origin institute: Soil Conservation Service -- USDA, Tucson Plant Materials Center, 3241 N. Romero Rd., Tucson, Arizona 85705 United States. cultivar: ROCKER. other id: 9043377. other id: T43377. other id: CV-156. group: CSR-OTHER GRASSES. restricted: CSR. remarks: Plant size 120cm by 120cm. Flowers and sets seed from late September through early November. Seed length averages 7mm, with a stiffly-hispid callus attached at the base. Exhibited ability to produce an abundance of green herbage despite well below average summer precipitation. Primarily used for controlling rill and gully erosion. Perennial. Cultivar. Seed.

PI 562144 to 562150. Sorghum bicolor (L.) Moench POACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.

PI 562144 origin: Sudan. cultivar: MERESSE. other id: MN 1169. group: MN. Cultivar. Seed.

PI 562145 origin: Sudan. cultivar: KOKO. other id: MN 1284. group: MN. Cultivar. Seed.

PI 562146 origin: Liberia. other id: MN 2578. group: MN. Seed.

PI 562147 origin: Argentina. other id: MN 3152. group: MN. Seed.

PI 562148 origin: Portugal. other id: MN 3153. group: MN. Seed.

PI 562149 origin: Portugal. other id: MN 3998. group: MN. Seed.

PI 562150 origin: Portugal. other id: MN 4001. group: MN. Seed.

PI 562151 to 562343. Sorghum bicolor (L.) Moench POACEAE


PI 562151 origin: Sudan. other id: FAO 54912. group: FAO. Seed.

PI 562152 origin: Sudan. other id: FAO 54913. group: FAO. Seed.

PI 562153 origin: Sudan. other id: FAO 54914. group: FAO. Seed.

PI 562154 origin: Sudan. other id: FAO 54915. group: FAO. Seed.

PI 562155 origin: Sudan. other id: FAO 54916. group: FAO. Seed.
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PI 562288 origin: Sudan. other id: FAO 55074. group: FAO. Seed.
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PI 562151 to 562343-continued

PI 562338 origin: Sudan. Seed.
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PI 562344 to 562348. Sorghum bicolor (L.) Moench  POACEAE

Donated by: FAO of U.N., Rome, Italy. Received 1990.


PI 562349 to 562357. Zea mays L.  POACEAE

Donated by: FAO of U.N., Rome, Italy. Received 1990.

PI 562349 to 562357-continued


PI 562358. Sorghum hybrid POACEAE


PI 562359 to 562365. Sorghum sp. POACEAE


PI 562359  origin: UNKNOWN.  Seed.

PI 562360  origin: UNKNOWN.  Seed.

PI 562361  origin: UNKNOWN.  Seed.

PI 562362  origin: UNKNOWN.  Seed.

PI 562363  origin: UNKNOWN.  Seed.

PI 562364  origin: UNKNOWN.  Seed.

PI 562365  origin: UNKNOWN.  Seed.
PI 562366 to 562370. Sorghum sp. POACEAE

**Donated by:** Anishetty, N.M., IBPGR thru FAO of U.N., Viale Delle Terme Di Caracalla, Rome, Italy. Received 1978.

PI 562366 **origin:** Kenya. Seed.

PI 562367 **origin:** Kenya. Seed.

PI 562368 **origin:** Kenya. Seed.

PI 562369 **origin:** Kenya. Seed.

PI 562370 **origin:** Kenya. Seed.

PI 562371. Sorghum sp. POACEAE

**Donated by:** FAO of U.N., Rome, Italy. Received 1988.

**origin:** Gambia. **cultivar:** RC-034. Cultivar. Seed.

PI 562372. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Minnesota Agr. Exp. Sta., Minnesota, United States. Received September 09, 1992.

**origin:** United States. **origin institute:** Minnesota Agr. Exp. Sta., Minnesota United States. **cultivar:** Agassiz. **other id:** PVP 9200242. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562373. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Minnesota Agr. Exp. Sta., Minnesota, United States. Received September 09, 1992.

**origin:** United States. **origin institute:** Minnesota Agr. Exp. Sta., Minnesota United States. **cultivar:** Lambert. **other id:** PVP 9200243. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562374. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Minnesota Agr. Exp. Sta., Minnesota, United States. Received September 09, 1992.

**origin:** United States. **origin institute:** Minnesota Agr. Exp. Sta., Minnesota United States. **cultivar:** Parker. **other id:** PVP 9200244. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.
PI 562375. Glycine max (L.) Merr. FABACEAE Soybean


PI 562376. Glycine max (L.) Merr. FABACEAE Soybean


PI 562377. Zea mays L. subsp. mays POACEAE Field corn


PI 562378. Zea mays L. subsp. mays POACEAE Field corn


PI 562379. Zea mays L. subsp. mays POACEAE Field corn


PI 562380. Zea mays L. subsp. mays POACEAE Field corn

**Donated by:** Holden's Foundation Seeds, Inc., United States. Received September 09, 1992.

origin: United States. origin institute: Holden's Foundation Seeds, Inc. United States. **cultivar:** LH223. **other id:** PVP 9200250. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562381. Zea mays L. subsp. mays POACEAE Field corn

**Donated by:** Holden's Foundation Seeds, Inc., United States. Received September 09, 1992.

origin: United States. origin institute: Holden's Foundation Seeds, Inc. United States. **cultivar:** LH224. **other id:** PVP 9200251. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562382. Triticum aestivum L., nom. cons. POACEAE Common wheat

**Donated by:** Ohio State University, Ohio Agr. Res. & Dev. Center, Ohio, United States. Received September 09, 1992.

origin: United States. origin institute: Ohio State University, Ohio Agr. Res. & Dev. Center, Ohio United States. **cultivar:** FREEDOM. **other id:** PVP 9200253. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562383. Triticum aestivum L., nom. cons. POACEAE Common wheat

**Donated by:** Ohio State University, Ohio Agr. Res. & Dev. Center, Ohio, United States. Received September 09, 1992.

origin: United States. origin institute: Ohio State University, Ohio Agr. Res. & Dev. Center, Ohio United States. **cultivar:** GR915. **other id:** PVP 9200254. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562384. Capsicum annuum L. SOLANACEAE Pepper

**Donated by:** Frank Garcia, Jr., United States. Received September 09, 1992.
PI 562384-continued

PI 562385. Agrostis stolonifera var. palustris (Hudson) Farw. POACEAE Creeping bentgrass


PI 562386. Limnanthes hybrid LIMNANTHACEAE Meadowfoam


PI 562387. Glycine soja Siebold & Zucc. FABACEAE Wild soybean

Donated by: Palmer, R., Agricultural Research Service -- USDA, Department of Agronomy, Iowa State University, Ames, Iowa 50011, United States. Received September 15, 1992.

PI 562388 to 562408. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Guarino, L., IBPGR, Agricultural Research Institute, Min. of Agric. & Nat. Resources, P.O. Box 2016, Nicosia, Cyprus. Remarks: Received through IBPGR-Sponsored Collection in Saudi Arabia. Inspected under BE 4079. Received May 05, 1992.


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263
PI 562388 to 562408-continued


PI 562409 to 562523. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Guarino, L., IBPGR, Agricultural Research Institute, Min. of Agric. & Nat. Resources, P.O. Box 2016, Nicosia, Cyprus.
Remarks: Received through IBPGR-Sponsored Collection in Yemen. Inspected under BE 4079. Received May 05, 1992.


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PI 562409 to 562523-continued

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</table>
PI 562524 to 562526. Triticum aestivum L., nom. cons. POACEAE Common wheat


PI 562527. Elytrigia intermedia (Host) Nevski subsp. intermedia POACEAE

origin: United States. developed: J.D. Berdahl, R.E. Barker, J.P. Karn, J.M. Krupinsky, I.M. Ray, K.P. Vogel, K.J. Moore, T.J. Klopfenstein. origin institute: Agricultural Research Service - USDA, Northern Great Plains Res. Lab., Mandan, North Dakota 58554 United States. cultivar: MANSKA. pedigree: Population from 116 parent clones, traced to a source population consisting of 5160 spaced plants from 11 diverse seed lots of Mandan 759. Mandan 759 was derived from PI 116252. other id: Mandan I2781. other id: CV-21. group: CSR-WHEATGRASS. other id: W6 11001. group: W6. restricted: CSR. remarks: Recommended for pasture & hay in regions of northern & central Great Plains where precipitation averages more than 350mm. Nutritive value high when compared with other current intermediate wheatgrass cultivars. Significantly higher average daily gains, (stocking rate of 7.4 yearling steers ha-1), than other popular intermediate wheatgrass cultivars in 2 years of grazing tests at Mead, NE. Forage & seed yields averaged near the overall test mean in regional trials. Plant height, lodging, and resistance to leaf-spot (Cochliobolus sativus) similar to other current cultivars. received as: Thinopyrum intermedium subsp. barbulatum. Perennial. Cultivar. Seed.

PI 562528. Triticum aestivum L., nom. cons. POACEAE Common wheat


PI 562529. Triticum compactum Host POACEAE Club wheat

Donated by: Zwer, P.K., Oregon Agricultural Exp. Station, Columbia Basin Agric. Res. Center, P.O. Box 370, Pendleton, Oregon 97801, United States. Received November 04, 1992.
PI 562529-continued

**origin:** United States. **developed:** P.K. Zwer, C.R. Rohde, W.E. Kronstad, M.F. Kolding. **origin institute:** Oregon State University, Crop and Soil Science, Corvallis, Oregon 97331 United States. **cultivar:** ROHDE.

**pedigree:** Paha/Selection 72//Daws. **other id:** OR855.


PI 562530. Arachis hypogaea L. FABACEAE Peanut

**Donated by:** Reddy, L.J., ICRISAT, Legumes Program, Patancheru, Andhra Pradesh 502 324, India. **remarks:** ICGV 86590 Groundnut. Received August 04, 1992.

**origin:** India. **developed:** L.J. Reddy, S.N. Nigam, P. Subrahmanyam, A.G.S. Reddy, D. McDonald, R.W. Gibbons, V. Pentaiah.. **origin institute:** ICRISAT, Patancheru P.O., Andhra Pradesh 502 324 India. **cultivar:** ICGV 86590.

**pedigree:** (X-14-4-B-19-B X PI 259747) F2-B2-B1-B1-B1-B1-B2. **other id:** CV-49. **group:** CSR-PEANUT. **remarks:** Erect growth habit with sequential flowering and medium elliptic, green to dark green leaves. Matures 123 days over different Indian locations during the rainy season. Mainly 3-seeded pods, with slight to moderate ridges. Average shelling turnover 65%. Seeds tan colored with 100- seed mass of 32g. Seed oil content averages 48%. Resistant to rust. Tolerant of late leaf spot. Shows lower field incidence of bud necrosis than popular Indian cvs. Less susceptible to stem & pod rots caused by Sclerotium rolfsii. Tolerant of Spodoptera, jassid, & collar rot attacks. Spring Annual. Cultivated. Seed.
PI 562531 to 562568. Glycine soja Siebold & Zucc. FABACEAE Wild soybean

Donated by: Yu, H., University of New Hampshire, Dept. of Plant Biology, Nesmith Hall, Durham, New Hampshire 03824, United States; and Kiang, Y.T., University of New Hampshire, Dept. of Plant Biology, Nesmith Hall, Durham, New Hampshire 03824, United States. Received September 21, 1992.


PI 562531 to 562568-continued


other id: 90415.  locality: Osu Ri, Cholla Buk Do.  
latitude: 35 deg. 32 min. N.  longitude: 127 deg. 20 min.  

other id: 90110.  locality: Osu Ri, Cholla Buk Do.  
latitude: 35 deg. 32 min. N.  longitude: 127 deg. 20 min.  

other id: 89213.  locality: Osu Ri, Cholla Buk Do.  
latitude: 35 deg. 32 min. N.  longitude: 127 deg. 20 min.  

PI 562569.  Zea mays L.  subsp.  mays  POACEAE  Sweet corn

Donated by: Hannan, R.M., Agricultural Research Service -- USDA, Western Regional PI Station, Washington State University, Pullman, Washington 99164-6402, United States; and Kaiser, W.J., Agricultural Research Service -- USDA, Western Regional PI Station, Washington State University, Pullman, Washington 99164-6402, United States. Received September 21, 1992.


PI 562570.  Pisum sativum L.  subsp.  sativum  FABACEAE


PI 562571. Mammea americana L. CLUSIACEAE Mammy-apple


PI 562572. Phytelephas macrocarpa Ruiz Lopez & Pavon ARECACEAE


PI 562573. Jacquinia arborea M. Vahl THEOPHRASTACEAE


PI 562574 to 562578. Saccharum hybrid POACEAE Sugarcane

PI 562574


origin institute: Agricultural Research Service -- USDA, Sugarcane Research Unit, Houma, Louisiana 70361 United States. 

PI 562575


origin institute: Agricultural Research Service -- USDA, Sugarcane Research Unit, Houma, Louisiana 70361 United States. 

PI 562576


origin institute: Agricultural Research Service -- USDA, Sugarcane Research Unit, Houma, Louisiana 70361 United States. 


PI 562579 to 562604. Beta vulgaris subsp. maritima (L.) Arcang. CHENOPODIACEAE Sugarbeet

Donated by: Doney, D.L., Agricultural Research Service -- USDA, Northern Crop Science Lab., P.O. Box 5677, State University Sta., Fargo, North Dakota 58105, United States. Received September 18, 1992.

PI 562580  
**origin:** Egypt.  
**collected:** April 20, 1992.  
**collector:** M.A. El Manhaly.  
**other id:** WB 1002.  
**locality:** Silt, 170km W of Behila Damanhur.  
**latitude:** 30 deg. 8 min. N.  
**longitude:** 29 deg. 4 min. E.  
**elevation:** 30m.  
**remarks:**  
Bulk sample of 10 plants from 9000 sq. meter area. Segregating uniformity.  
**received as:** Beta maritima.  
Annual. Wild. Seed.

PI 562581  
**origin:** Egypt.  
**collected:** May 28, 1992.  
**collector:** M.A. El Manhaly.  
**other id:** WB 1003.  
**locality:** Silt, .50km NW of Noubaria Village 15.  
**latitude:** 30 deg. 7 min. N.  
**longitude:** 29 deg. 3 min. E.  
**elevation:** 25m.  
**remarks:**  
Bulk sample of 8 plants from 5000 sq. meter area. Segregating uniformity.  
**received as:** Beta maritima.  
Annual. Wild. Seed.

PI 562582  
**origin:** Egypt.  
**collected:** June 22, 1992.  
**collector:** D.L. Doney.  
**other id:** WB 1004.  
**locality:** Silt, on ditch bank, 0.6km W of Noubaria Village 15.  
**latitude:** 30 deg. 7 min. N.  
**longitude:** 29 deg. 4 min. E.  
**elevation:** 25m.  
**remarks:**  
Single plant sample of 19 plants from 6000 sq. meter area. Segregating uniformity.  
**received as:** Beta maritima.  
Annual. Wild. Seed.

PI 562583  
**origin:** Egypt.  
**collected:** June 23, 1992.  
**collector:** D.L. Doney.  
**other id:** WB 1005.  
**locality:** Coarse sand, around 5yr old greenhouses, 4.0km N of Matrah Al Metane.  
**latitude:** 31 deg. 5 min. N.  
**longitude:** 26 deg. 5 min. E.  
**elevation:** 20m.  
**remarks:**  
Single plant sample of 24 plants from 500 sq. meter area. Segregating uniformity.  
**received as:** Beta maritima.  
Annual. Wild. Seed.

PI 562584  
**origin:** Egypt.  
**collected:** June 24, 1992.  
**collector:** D.L. Doney.  
**other id:** WB 1006.  
**locality:** Silt, around greenhouses, 1.0km E of Dabah, 95km E of Matruh.  
**latitude:** 31 deg. 1 min. N.  
**longitude:** 27 deg. 7 min. E.  
**elevation:** 25m.  
**remarks:**  
Single plant and bulk sampling of 8 plants from 25 sq meter area. Uniform.  
**received as:** Beta maritima.  
Annual. Wild. Seed.

PI 562585  
**origin:** Egypt.  
**collected:** June 24, 1992.  
**collector:** D.L. Doney.  
**other id:** WB 1007.  
**locality:** Between greenhouses, 1.0km S of El Hamem El Omiad, 3km S of Hotel Adia.  
**latitude:** 30 deg. 8 min. N.  
**longitude:** 29 deg. E.  
**elevation:** 30m.  
**remarks:**  
Single plant sampling of 7 plants from 10 sq meter area. Segregating uniformity.  
**received as:** Beta maritima.  
Annual. Wild. Seed.


PI 562592  
**origin:** Egypt.  
**collected:** June 26, 1992.  
**collector:** D.L. Doney.  
**other id:** WB 1014.  
**locality:** Clay soil, along canal, Alexandria Village 7 area.  
**latitude:** 31 deg. N.  
**longitude:** 30 deg. 2 min. E.  
**elevation:** 15m.  
**remarks:** Single plant and bulk sampling of 13 plants from 5000 sq meter area. Segregating uniformity. Plants small, dry.  
**received as:** Beta maritima. Annual. Wild. Seed.

PI 562593  
**origin:** Egypt.  
**collected:** June 27, 1992.  
**collector:** D.L. Doney.  
**other id:** WB 1015.  
**locality:** 3km NW of Kafr Ash Shaykh.  
**latitude:** 31 deg. 1 min. N.  
**longitude:** 30 deg. 9 min. E.  
**elevation:** 15m.  
**remarks:** Bulk and single plant sampling of 500 plants from 5000 sq meter area. Segregating uniformity. Large group planted for comparison with SB.  
**received as:** Beta maritima. Annual. Wild. Seed.

PI 562594  
**origin:** Egypt.  
**collected:** June 27, 1992.  
**collector:** D.L. Doney.  
**other id:** WB 1016.  
**locality:** Along ditch, 1km N of Kafr Ash Shaykh.  
**latitude:** 31 deg. 1 min. N.  
**longitude:** 30 deg. 9 min. E.  
**elevation:** 15m.  
**remarks:** Bulk sample of 500 plants from 5000 sq meter area. Segregating uniformity.  
**received as:** Beta maritima. Annual. Wild. Seed.

PI 562595  
**origin:** Egypt.  
**collected:** June 27, 1992.  
**collector:** D.L. Doney.  
**other id:** WB 1017.  
**locality:** Along bank of ditches, 1km N of Bela El Owywa.  
**latitude:** 31 deg. 1 min. N.  
**longitude:** 31 deg. 2 min. E.  
**elevation:** 15m.  
**remarks:** Bulk sample of 500 plants from 5000 sq meter area. Segregating uniformity.  
**received as:** Beta maritima. Annual. Wild. Seed.

PI 562596  
**origin:** Egypt.  
**collected:** June 27, 1992.  
**collector:** D.L. Doney.  
**other id:** WB 1018.  
**locality:** Around greenhouses, Dumyat, Kafer Saad.  
**latitude:** 31 deg. 3 min. N.  
**longitude:** 31 deg. 5 min. E.  
**elevation:** 15m.  
**remarks:** Bulk and single plant sample of 500 plants from 500 sq meter area. Segregating uniformity. Plants very dry.  
**received as:** Beta maritima. Annual. Wild. Seed.

PI 562597  
**origin:** Egypt.  
**collected:** June 28, 1992.  
**collector:** D.L. Doney.  
**other id:** WB 1019.  
**locality:** Around greenhouses, Port Said Ext. Farm area.  
**latitude:** 31 deg. 1 min. N.  
**longitude:** 32 deg. 2 min. E.  
**elevation:** 15m.  
**remarks:** Bulk and single plant sampling of 20 plants from 500 sq meter area. Segregating uniformity.  
**received as:** Beta maritima. Annual. Wild. Seed.
PI 562598  
**origin:** Egypt. **collected:** June 28, 1992. **collector:** D.L. Doney. **other id:** WB 1020. **locality:** Around greenhouses, 31km S of Port Said Ext. Agr. Project. **latitude:** 30 deg. 8 min. N. **longitude:** 32 deg. 2 min. E. **elevation:** 15m. **remarks:** Bulk and single plant sampling of 100 plants from 5000 sq meter area. Segregating uniformity. **received as:** Beta maritima. Annual. Wild. Seed.

PI 562599  
**origin:** Egypt. **collected:** June 29, 1992. **collector:** D.L. Doney. **other id:** WB 1021. **locality:** Silt soil, along canal bank, Fayyum Abo Khaf Farm. **latitude:** 29 deg. 2 min. N. **longitude:** 30 deg. 9 min. E. **elevation:** 25m. **remarks:** Bulk sample of 100 plants from 500 sq meter area. Segregating uniformity. **received as:** Beta maritima. Annual. Wild. Seed.

PI 562600  
**origin:** Egypt. **collected:** June 29, 1992. **collector:** D.L. Doney. **other id:** WB 1022. **locality:** Silt soil, small field, Fayyum Harfosh Farm. **latitude:** 29 deg. 2 min. N. **longitude:** 30 deg. 9 min. E. **elevation:** 25m. **remarks:** Bulk sample of 500 plants from 5000 sq meter area. Segregating uniformity. **received as:** Beta maritima. Annual. Wild. Seed.

PI 562601  
**origin:** Egypt. **collected:** June 29, 1992. **collector:** D.L. Doney. **other id:** WB 1023. **locality:** Silt soil by bridge, Bani Suwaf El Azhary. **latitude:** 29 deg. N. **longitude:** 31 deg. E. **elevation:** 25m. **remarks:** Single plant sample of 3 plants from 25 sq meter area. Uniform. **received as:** Beta maritima. Annual. Wild. Seed.

PI 562602  
**origin:** Egypt. **collected:** July 01, 1992. **collector:** D.L. Doney. **other id:** WB 1024. **locality:** Luxor El Awania Farm. **latitude:** 25 deg. 3 min. N. **longitude:** 32 deg. 7 min. E. **elevation:** 82m. **remarks:** Bulk sample of 200 plants from 1000 sq meter area. **received as:** Beta maritima. Annual. Wild. Seed.

PI 562603  
**origin:** Egypt. **collected:** July 01, 1992. **collector:** D.L. Doney. **other id:** WB 1025. **locality:** Luxor El Gamal. **latitude:** 25 deg. 1 min. N. **longitude:** 32 deg. 6 min. E. **elevation:** 82m. **remarks:** Single plant or bulk sampling of 5 plants from 5000 sq meter area. **received as:** Beta maritima. Annual. Wild. Seed.

PI 562604  
**origin:** Egypt. **collected:** July 01, 1992. **collector:** D.L. Doney. **other id:** WB 1026. **locality:** Luxor El Odysat. **latitude:** 25 deg. N. **longitude:** 32 deg. 5 min. E. **elevation:** 82m. **remarks:** Bulk sample. **received as:** Beta maritima. Annual. Wild. Seed.
PI 562605 to 562610. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Pedersen, J., Agricultural Research Service -- USDA, University of Nebraska, Lincoln, Nebraska 68583-0937, United States. Received September 24, 1992.


PI 562608 origin: United States. cultivar: N130. pedigree: 8 generations of selfing of S2's selected directly from the RP2B population. remarks: Sorghum A/B Pair parental line derived from the RP2B population (originating from American and exotic lines from Uganda and the Texas/ARS Puerto Rico Conversion Program). Average hybrid yield performance at 5 locations/year combinations (Mead and Lincoln, NE: 1989-1991) was comparable to commercial checks. Seeds white. Plant height ranges from 100-125cm, and 50% bloom range from 74-85 days at Lincoln, NE. Spring Annual. Breeding Material. Seed.


PI 562611. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Young, L.D., Agricultural Research Service -- USDA, 605 Airways Blvd., Jackson, Tennessee 38301-3201, United States.

remarks: J87-233 Soybean Germplasm. Received September 24, 1992.

PI 562612 to 562619. *Triticum aestivum* L., nom. cons. POACEAE Common wheat

**Donated by:** Patterson, F.L., Purdue University Agr. Exp. Sta., West Lafayette, Indiana 47907, United States; and Agricultural Research Service, West Lafayette, Indiana 47907, United States. Received September 24, 1992.


PI 562614  
origin: United States.  
origin institute: Indiana Agric. Exp. Station/USDA-ARS, Purdue University, West Lafayette, Indiana 47907 United States.  
cultivar: FLYNN.  
remarks: Resistance gene H6H6 is a single-gene resistance to Hessian fly in a background of Newton hard red winter wheat. Developed by 2-6 backcrosses to a single typical plant of Newton, selection 207 or its selfed progeny, followed by 3-5 generations of plant selection. Tested to biotypes B, C, D & L of Hessian fly to verify recovery of typical resistant reactions. Tested as seedlings in growth chambers at 18 deg. C. Reactions were typical. Adequate winterhardiness testing in many areas of US for determining the value of individual genes providing resistance to Hessian fly. Breeding Material. Seed.

PI 562615  
origin: United States.  
origin institute: Indiana Agric. Exp. Station/USDA-ARS, Purdue University, West Lafayette, Indiana 47907 United States.  
cultivar: IRIS.  
pedigree: Newton-207*7/Ella.  
remarks: Resistance gene H9H9 is a single-gene resistance to Hessian fly in a background of Newton hard red winter wheat. Developed by 2-6 backcrosses to a single typical plant of Newton, selection 207 or its selfed progeny, followed by 3-5 generations of plant selection. Tested to biotypes B, C, D & L of Hessian fly to verify recovery of typical resistant reactions. Tested as seedlings in growth chambers at 18 deg. C. Reactions were typical. Adequate winterhardiness testing in many areas of US for determining the value of individual genes providing resistance to Hessian fly. Breeding Material. Seed.
PI 562616  
origin: United States.  
origin institute: Indiana Agric. Exp. Station/USDA-ARS, Purdue University, West Lafayette, Indiana 47907 United States.  
origin institute id: IN85153A2-1-3-3.  
cultivar: JOY.  
pedigree: Newton-207*3/IN76529A5-3-3.  
remarks: Resistance gene H10H10 is a single-gene resistance to Hessian fly in a background of Newton hard red winter wheat. Developed by 2-6 backcrosses to a single typical plant of Newton, selection 207 or its selfed progeny, followed by 3-5 generations of plant selection. Tested to biotypes B, C, D & L of Hessian fly to verify recovery of typical resistant reactions. Tested as seedlings in growth chambers at 18 deg. C. Reactions were typical. Adequate winterhardiness testing in many areas of US for determining the value of individual genes providing resistance to Hessian fly. Breeding Material. Seed.

PI 562617  
origin: United States.  
origin institute: Indiana Agric. Exp. Station/USDA-ARS, Purdue University, West Lafayette, Indiana 47907 United States.  
origin institute id: IN85144A2-4-1.  
cultivar: KAREN.  
pedigree: Newton-207*4/IN916-1-3-1-47-1.  
remarks: Resistance gene H11H11 is a single-gene resistance to Hessian fly in a background of Newton hard red winter wheat. Developed by 2-6 backcrosses to a single typical plant of Newton, selection 207 or its selfed progeny, followed by 3-5 generations of plant selection. Tested to biotypes B, C, D & L of Hessian fly to verify recovery of typical resistant reactions. Tested as seedlings in growth chambers at 18 deg. C. Reactions were typical. Adequate winterhardiness testing in many areas of US for determining the value of individual genes providing resistance to Hessian fly. Breeding Material. Seed.
PI 562618  
**origin:** United States.  **developed:** F.L. Patterson, F.B. Maas III, J.E. Foster, R.H. Ratcliffe, S. Cambron, G. Safranski, P.L. Taylor, H.W. Ohm. **origin institute:** Indiana Agric. Exp. Station/USDA-ARS, Purdue University, West Lafayette, Indiana 47907 United States. **origin institute id:** IN841453H15-1-1-1-1-2. **cultivar:** LOLA. **pedigree:** Newton-207*4/Luso. **remarks:** Resistance gene H12H12 is a single-gene resistance to Hessian fly in a background of Newton hard red winter wheat. Developed by 2-6 backcrosses to a single typical plant of Newton, selection 207 or its selfed progeny, followed by 3-5 generations of plant selection. Tested to biotypes B, C, D & L of Hessian fly to verify recovery of typical resistant reactions. Tested as seedlings in growth chambers at 18 deg. C. Reactions were typical. Adequate winterhardiness testing in many areas of US for determining the value of individual genes providing resistance to Hessian fly. Breeding Material. Seed.

PI 562619  
**origin:** United States.  **developed:** F.L. Patterson, F.B. Maas III, J.E. Foster, R.H. Ratcliffe, S. Cambron, G. Safranski, P.L. Taylor, H.W. Ohm. **origin institute:** Indiana Agric. Exp. Station/USDA-ARS, Purdue University, West Lafayette, Indiana 47907 United States. **origin institute id:** IN85141B1-2-2. **cultivar:** MOLLY. **pedigree:** Newton-207*7/3/KU212-19/Eagle//KS806. **remarks:** Resistance gene H13H13 is a single-gene resistance to Hessian fly in a background of Newton hard red winter wheat. Developed by 2-6 backcrosses to a single typical plant of Newton, selection 207 or its selfed progeny, followed by 3-5 generations of plant selection. Tested to biotypes B, C, D & L of Hessian fly to verify recovery of typical resistant reactions. Tested as seedlings in growth chambers at 18 deg. C. Reactions were typical. Adequate winterhardiness testing in many areas of US for determining the value of individual genes providing resistance to Hessian fly. Breeding Material. Seed.

PI 562620. Lactuca sativa L. ASTERACEAE Lettuce

**Donated by:** Royal Sluis, Koninklijke, Zaaizaadbedrijven, Gebroeders Sluis, B.V., Netherlands. Received September 28, 1992.

**origin:** Netherlands. **origin institute:** Royal Sluis, Koninklijke, Zaaizaadbedrijven, Gebroeders Sluis, B.V. Netherlands. **cultivar:** ENCORE. **other id:** PVP 9200258. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.
PI 562621. Sorghum bicolor (L.) Moench POACEAE Sorghum

**Donated by:** Pioneer Hi-Bred International, Inc., United States.
Received September 28, 1992.


PI 562622. Sorghum bicolor (L.) Moench POACEAE Sorghum

**Donated by:** Pioneer Hi-Bred International, Inc., United States.
Received September 28, 1992.


PI 562623. Sorghum bicolor (L.) Moench POACEAE Sorghum

**Donated by:** Pioneer Hi-Bred International, Inc., United States.
Received September 28, 1992.


PI 562624. Sorghum bicolor (L.) Moench POACEAE Sorghum

**Donated by:** Pioneer Hi-Bred International, Inc., United States.
Received September 28, 1992.


PI 562625. Sorghum bicolor (L.) Moench POACEAE Sorghum

**Donated by:** Pioneer Hi-Bred International, Inc., United States.
Received September 28, 1992.

PI 562626. Lolium perenne L. POACEAE Perennial ryegrass

**Donated by:** Pickseed West, Inc., United States. Received September 28, 1992.

**origin:** United States. **origin institute:** Pickseed West, Inc. United States. **cultivar:** EXPRESS. **other id:** PVP 9200265. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562627. Lolium perenne L. POACEAE Perennial ryegrass

**Donated by:** Pickseed West, Inc., United States. Received September 28, 1992.

**origin:** United States. **origin institute:** Pickseed West, Inc. United States. **cultivar:** DELAWARE DWARF. **other id:** PVP 9200266. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562628. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** DEKALB Plant Genetics, United States. Received September 28, 1992.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** CX121. **other id:** PVP 9200267. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562629. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Jacob Hartz Seed Company, Inc., United States. Received September 28, 1992.

**origin:** United States. **origin institute:** Jacob Hartz Seed Company, Inc. United States. **cultivar:** H8448. **other id:** PVP 9200268. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562630. Lolium perenne L. POACEAE Perennial ryegrass

**Donated by:** Forbes Seed & Grain, Inc., United States. Received September 28, 1992.

**origin:** United States. **origin institute:** Forbes Seed & Grain, Inc. United States. **cultivar:** NIGHT HAWK. **other id:** PVP 9200269. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.
PI 562631. Lactuca sativa L. ASTERACEAE Lettuce

**Donated by:** Brinker Orsetti Seed Company, Inc., United States.
Received September 28, 1992.

- **origin:** United States. **origin institute:** Brinker Orsetti Seed Company, Inc. United States. **cultivar:** TWO STAR.
- **other id:** PVP 9200270. **source:** Pending. **group:** PVPO.
- **patent:** PVPO. Cultivar. Seed.

PI 562632. Helianthus annuus L. ASTERACEAE Sunflower

**Donated by:** Pioneer Hi-Bred International, Inc., United States.
Received September 28, 1992.

- **origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHA015.
- **other id:** PVP 9200271. **source:** Pending. **group:** PVPO.
- **patent:** PVPO. Cultivar. Seed.

PI 562633. Helianthus annuus L. ASTERACEAE Sunflower

**Donated by:** Pioneer Hi-Bred International, Inc., United States.
Received September 28, 1992.

- **origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHA043.
- **other id:** PVP 9200272. **source:** Pending. **group:** PVPO.
- **patent:** PVPO. Cultivar. Seed.

PI 562634. Helianthus annuus L. ASTERACEAE Sunflower

**Donated by:** Pioneer Hi-Bred International, Inc., United States.
Received September 28, 1992.

- **origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHA052.
- **other id:** PVP 9200273. **source:** Pending. **group:** PVPO.
- **patent:** PVPO. Cultivar. Seed.

PI 562635. Helianthus annuus L. ASTERACEAE Sunflower

**Donated by:** Pioneer Hi-Bred International, Inc., United States.
Received September 28, 1992.

- **origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHA053.
- **other id:** PVP 9200274. **source:** Pending. **group:** PVPO.
- **patent:** PVPO. Cultivar. Seed.
PI 562636. Helianthus annuus L. ASTERACEAE Sunflower


**origin:** United States. **origin institute:** Pioneer Hi-Bred International, Inc. United States. **cultivar:** PHA061. **other id:** PVP 9200275. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562637. Glycine max (L.) Merr. FABACEAE Soybean

*Donated by:* DEKALB Plant Genetics, United States. Received September 28, 1992.

**origin:** United States. **origin institute:** DEKALB Plant Genetics United States. **cultivar:** CX248. **other id:** PVP 9200276. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 562638 to 562639. Carthamus tinctorius L. ASTERACEAE Safflower

Received.

PI 562638 **origin:** India. **remarks:** Previously PI 248331 was erroneously assigned to this accession in GRIN. Seed.

PI 562639 **origin:** India. **remarks:** Previously PI 248332 was erroneously assigned to this accession in GRIN. Seed.

PI 562640 to 562641. Avena sativa L. POACEAE Common oat

*Donated by:* Ross, D.R., Alaska Plant Materials Center, HC 02 Box 7440, Palmer, Alaska 99645, United States. Received October 01, 1992.
PI 562640

PI 562641

PI 562642. Festuca rubra L. POACEAE Creeping red fescue

Donated by: Ross, D.R., Alaska Plant Materials Center, HC 02 Box 7440, Palmer, Alaska 99645, United States. Received October 01, 1992.

297
PI 562642-continued

origin: United States.  
cultivar: ARCTARED.  
pedigree: Traces to single plant collected in Matanuska Valley of southcentral Alaska in 1957.  
other id: CV-13.  
group: CSR-FESCUE.  
other id: W6 198.  
group: W6.  
remarks: First red fescue cultivar to show dependable winter survival in the Matanuska Valley of southcentral Alaska. Produces dense, medium-textured, medium-green turf, somewhat lighter in color than most introduced cultivars. Rapid germination and excellent seedling vigor contributes to the speedy establishment of new seedlings. Average seed yields 425 kg/ha. Perennial. Cultivar. Seed.

PI 562643 to 562645. Hordeum vulgare L. subsp. vulgare POACEAE Barley

Donated by: Ross, D.R., Alaska Plant Materials Center, HC 02 Box 7440, Palmer, Alaska 99645, United States. Received October 01, 1992.

PI 562643  
origin: United States.  
developed: R.L. Taylor.  
origin institute id: Alaska 60II-54-1-2.  
cultivar: LIDAL.  
pedigree: Olli/Edda.  
other id: CV-153.  
group: CSR-BARLEY.  
remarks: High yielding, early, midtall, rough-awned, six-rowed, spring barley. Kernels covered, medium sized, with short hairs on the rachilla, and have white aleurone. Spike semi-dense results in kernel-tip displacement, imparting a distinctive spreading-awn appearance to the head, in comparison to either parent. Recommended for feed grain production in all areas of Alaska where cereals can be grown dependably. Spring Annual. Cultivar. Seed.
PI 562644  
**origin:** United States.  
**developed:** R.L. Taylor.  
**origin institute:** Alaska Agr. Exp. Sta., Palmer, Alaska 99645  
**United States.**  
**origin institute id:** 71II-67-18-57.  
**cultivar:** OTAL.  
**pedigree:** Otra (CI 11297)/1514-64.  
**other id:** BT 655.  
**remarks:** Early maturing, mid-tall, stiff-strawed, rough-awned, six-rowed, high yielding spring barley. In testing in Matanuska Valley in southcentral Alaska, averaged 4.2 days earlier in maturity than Edda, a longtime standard cultivar. Yield averaged 118% of Edda. Plants average 1.8 inches shorter than Edda. Equal in lodging resistance. Bushel weight averages 104% of Edda. Yield component averages show produces considerably more culms per unit area (129%), slightly heavier kernels (102%), and fewer kernels per culm (90%) in comparison with Edda. Spring Annual. Cultivar. Seed.

PI 562645  
**origin:** United States.  
**developed:** R.L. Taylor.  
**origin institute:** Alaska Agr. Exp. Sta., Palmer, Alaska 99645  
**United States.**  
**cultivar:** THUAL.  
**pedigree:** Otra (11297)/Unnamed hull-less line from Ireland.  
**other id:** 74II-69-70-15-2.  
**remarks:** Early maturing, mid-tall, moderately stiff-strawed, rough-awned, six-rowed, naked-kerneled (or hull-less) spring barley. In testing in Matanuska Valley of southcentral Alaska, averaged 1.1 days later in maturity than Edda, a longtime standard cultivar. Yield averaged 104% of Edda. Plants average .8 inch taller than Edda. Lodging resistance weak, but better than most hull-less material tested. Yield component averages show produces slightly more culms per unit area (10%), slightly lighter kernels, and more kernels per culm in comparison to Edda. Spring Annual. Cultivar. Seed.

PI 562646 to 562647. Triticum aestivum L., nom. cons. POACEAE Common wheat

**Donated by:** Ross, D.R., Alaska Plant Materials Center, HC 02 Box 7440, Palmer, Alaska 99645, United States. Received October 01, 1992.

299
PI 562646  
**origin:** United States.  
**developed:** R.L. Taylor.  
**origin institute id:** 67II-62-7-E-7.  
**cultivar:** NOGAL.  
**pedigree:** Norrona(PI 264275)/Gasser(CI 13289).  
**remarks:** Early-maturing, mid-tall, stiff-strawed, red-glumed, red-kerneled, awnleted, hard red spring wheat. Testing in Matanuska Valley of southcentral Alaska, averaged 1.2 days earlier in maturity than Gasser, an extremely early cv. Yield averaged 101% of Gasser. Plants average .8 inch shorter than Gasser, with lodging resistance nearly equal. Bushel weight averaged slightly higher than Gasser. Yield component averages indicates produces fewer culms per unit area, fewer kernels per culm, but much heavier kernels, in comparison with Gasser. Satisfactory for home use. Spring Annual. Cultivar. Seed.

PI 562647  
**origin:** United States.  
**developed:** R.L. Taylor.  
**origin institute id:** 6111-55-12-62-10.  
**cultivar:** INGAL.  
**pedigree:** Norin No. 16(PI 155264)/Gasser(CI 13289).  
**remarks:** Early maturing, short, stiff-strawed, red-glumed, red-kerneled, awnleted, hard red spring wheat. Testing in Matanuska Valley of southcentral Alaska, averaged 1.2 days earlier in maturity than Gasser, an extremely early cv. Yield, however, averaged only 94% of Gasser. Plants average 8.2 inches shorter than Gasser, but superior in lodging resistance. Bushel weight equal to Gasser. Yield component averages show produces more culms per unit area (106%), fewer kernels per culm, and slightly lighter kernels in comparison with Gasser. Spring Annual. Cultivar. Seed.

PI 562648.  
*Bromus inermis subsp. pumpellianus* (Scribner) Wagnon  
**POACEAE** Bromegrass

**Donated by:** Ross, D.R., Alaska Plant Materials Center, HC 02 Box 7440, Palmer, Alaska 99645, United States. Received October 01, 1992.
PI 562648-continued


PI 562649. Poa pratensis L. POACEAE Kentucky bluegrass

Donated by: Ross, D.R., Alaska Plant Materials Center, HC 02 Box 7440, Palmer, Alaska 99645, United States. Received October 01, 1992.


PI 562650. Arctagrostis latifolia (R. Br.) Griseb. POACEAE Polargrass

Donated by: Ross, D.R., Alaska Plant Materials Center, HC 02 Box 7440, Palmer, Alaska 99645, United States. Received October 01, 1992.
PI 562650-continued

origin institute: Alaska Agr. Exp. Sta., Palmer, Alaska 99645 United States.  cultivar: ALYESKA.  pedigree:
Based on 27 collections from a number of locations in interior and western Alaska.  other id: CV-61.  source:
other id: W6 11043.  group: W6.  remarks: Medium to tall grass, growing to ca. 1.4m in height, with wide, lax leaves and stout rhizomes giving a conservative spreading habit. In open stands, forms dense, robust clumps of leafy stems. Inflorescences narrow and erect to open and lax. Includes both tetraploid (2n=28) and octoploid (2n=56) plants. Recommended for use in revegetation mixes in Alaska where recovery by native species is desired, or in artic, alpine, or coastal tundra regions where many commonly used cvs. may be difficult to establish and maintain. Perennial. Cultivar. Seed.

PI 562651. Calamagrostis canadensis (Michaux) P. Beauv.  POACEAE  Bluejoint reedgrass

Donated by: Ross, D.R., Alaska Plant Materials Center, HC 02 Box 7440, Palmer, Alaska 99645, United States. Received October 01, 1992.

group: CSR-OTHER GRASSES.  other id: W6 7094.  group: W6.  remarks: Plant height 1.8m in dense clumps of leafy stems produced from medium-sized rhizomes. Generally grows much shorter on unfertilized disturbed sites or in dense stands. Inflorescences are borne erect and by anthesis, open into panicles of small spikelets. Seed is shed readily when ripe, aided in distribution by presence of long hairs on florets. Includes tetraploid (2n=28), hexaploid, and octoploid plants. Adapted for inclusion in planting mixes throughout mainland Alaska. Recommended particularly for more harsh environments of tundra locations where few cvs. are adapted. Perennial. Cultivar. Seed.

PI 562652. Deschampsia beringensis Hulten  POACEAE  Bering hairgrass

Donated by: Ross, D.R., Alaska Plant Materials Center, HC 02 Box 7440, Palmer, Alaska 99645, United States. Received October 01, 1992.

302
cultivar: NORCOAST. pedigree:
Bulk seed collections of Bering hairgrass from native communities in two tideland flat areas in Cook Inlet region of southcentral Alaska (ca. 61 deg. N). other id: CV-99. source: Crop Sci. 25(4):708 1985. group: CSR-OTHER GRASSES. other id: W6 11045. group: W6. remarks: High yielding potential in several forage trials at Palmer but subject to stand reduction under the two-harvest system at this location. Ability to sustain production under the cooler regime of Iceland suggests may have application for forage use in northern coastal or maritime situations where standard forage grasses are marginally adapted. Perennial. Cultivar. Seed.

PI 562653. Triticum aestivum L., nom. cons. POACEAE Common wheat

Donated by: Baenziger, P.S., Nebraska Agr. Exp. Sta., Dept. of Agronomy, University of Nebraska, Lincoln, Nebraska 68583, United States. Received September 25, 1992.


PI 562654. Sorghum laxiflorum Bailey POACEAE

Donated by: Australian Tropical Field Crops, Genetic Resource Center, P.O. Box 201, Biloela, Queensland 4715, Australia. 
remarks: Received through G.H. Liang, Dept. of Agronomy, Kansas State University, Manhattan, Kansas. Received August 31, 1992.

PI 562654-continued


PI 562655. Sorghum stipoideum (Ewart & J. W. White) C. Gardner & C. E. Hubb. POACEAE

Donated by: Australian Tropical Field Crops, Genetic Resource Center, P.O. Box 201, Biloela, Queensland 4715, Australia. remarks: Received through G.H. Liang, Dept. of Agronomy, Kansas State University, Manhattan, Kansas. Received August 31, 1992.


PI 562656 to 562657. Avena sativa L. POACEAE Common oat

Donated by: Ohm, H.W., Purdue Agr. Exp. Sta., Dept. of Agronomy, Purdue University, 1150 Lilly Hall of Life Sci., West Lafayette, Indiana 47907-1150, United States; and Agricultural Research Service -- USDA, United States. Received September 25, 1992.


PI 562658. Triticum aestivum L., nom. cons. POACEAE Common wheat

Donated by: Ohm, H.W., Purdue Agr. Exp. Sta., Dept. of Agronomy, Purdue University, 1150 Lilly Hall of Life Sci., West Lafayette, Indiana 47907-1150, United States; and Agricultural Research Service -- USDA, United States. Received September 25, 1992.


PI 562659 to 562688. Cajanus cajan (L.) Millsp. FABACEAE Pigeon-pea

Donated by: ICRISAT, Patancheru P.O., Andhra Pradesh 502 324, India. Received September 15, 1992.


305


PI 562659 to 562688-continued


PI 562689. Phaseolus vulgaris L.  FABACEAE  Bean


origin: Brazil. developed: R.A. Henson, P.A.A Pereira, J.E.S. Carneiro, F.A. Bliss. origin institute: EMBRAPA/CNPFAF, EPAMIG, UFV, ESAL, Pesagro, Goiania, Goias 74001-970 Brazil. cultivar: OURO NEGRO. pedigree: May have been from genetic mixture. Introduced to Brazil from Honduras by CIAT. other id: CV-105. group: CSR-OTHER LEGUMES. other id: CNF 0480. remarks: Growth habit semi-prostrate to prostrate. Intermediate between type II & type III, with growth cycle of 85 days. Seeds dull black, similar to but larger than ICA PIJAO. 50 seed wt. 11.3 under Brazilian condition. Res. to Race alfa- Brasil of antracnose (Colletotrichum lindemuthianum). Mod. level of res. to bean rust (Uromyces appendiculatus). Based on comparisons using total accumulated shoot N, 15N isotope dilution, acetylene reduction activity, nodule mass & grain yield of plants grown on soil where N is limiting, fixes more atmospheric N2 than commercial cultivars in Brazil. Annual. Cultivar. Seed.

PI 562690. Cynodon nlemfuensis Vanderyst var. nlemfuensis  POACEAE

PI 562690-continued

**origin:** United States.  **developed:** P. Mislevy, W.F. Brown, R. Caro-Costas, J. Vicente-Chandler, L.S. Dunavin, D.W. Hall, R.S. Kalmbacher, A.J. Overman.  **origin institute:** Florida Agr. Exp. Sta., University of Florida, Box 62, Ona, Florida 33865 United States.  **source history:** Introduced into Puerto Rico in 1957 from Kenya, Africa. In 1972, several ramets were brought from Puerto Rico to the Agricultural Research and Education Center Ona, Florida.  **cultivar:** FLORICO.  **other id:** CV-154.  **group:** CSR-OTHER GRASSES.  **other id:** Puerto Rico PI 2341.  **restricted:** CSR.  **remarks:** Stoloniferous, tufted perennial grass with erect stems, which lack rhizomes. Leaf sheaths scattered to dense pubescence. Ligules consist of a membrane to 0.8mm long, fringed with pubescence to 0.1mm long. Leaf blades 2-6mm wide and 7-23cm long, stiff with scattered pubescence on both sides. Inflorescence and vegetation distinctly purplish. Few if any seeds are produced and propagation is entirely vegetative. Perennial. Cultivar. Plant.

PI 562691. Cynodon nlemfuensis Vanderyst var. nlemfuensis POACEAE

**Donated by:** Mislevy, P., Florida Agr. Exp. Sta., University of Florida, Ona, Florida 33865, United States; and Agricultural Research Service -- USDA.  **remarks:** Florona stargrass. Received October 13, 1992.

**origin:** United States.  **developed:** P. Mislevy, W.F. Brown, L.S. Dunavin, D.W. Hall, R.S. Kalmbacher, A.J. Overman, O.C. Ruelke, R.M. Sonoda.  **origin institute:** Florida Agr. Exp. Sta., University of Florida, Box 62, Ona, Florida 33865 United States.  **source history:** Found in 1973 growing in a 'Pensacola' bahiagrass (Paspalum notatum Fluegge) pasture at the Agricultural Research and Education Center Ona, Florida.  **cultivar:** FLORONA.  **other id:** CV-155.  **group:** CSR-OTHER GRASSES.  **restricted:** CSR.  **remarks:** Long lived, persistent perennial grass adapted to tropical & subtropical regions. Stoloniferous, tufted grass with erect stems which lack rhizomes. Stems 1.0-2.8mm in diam. & 0.6-0.9m tall. Leaf sheaths glabrous, leaf blades 2-5mm wide & 5-12cm long, stiff, & glabrous on lower surface with scattered pubescence on upper surface. Few if any seeds produced. No information on background of grass; possibly a contaminate with the introduction of other species. Perennial. Cultivar. Plant.
PI 562692. Capsicum annuum L. SOLANACEAE Pepper

Donated by: Whittemore, A.T., USDA-ARS, Georgia Station, University of Georgia, Griffin, Georgia 30223-1797, United States. Received May 18, 1992.


PI 562693. Sorghum bicolor (L.) Moench POACEAE

Donated by: Whittemore, A.T., USDA-ARS, Georgia Station, University of Georgia, Griffin, Georgia 30223-1797, United States. Received May 18, 1992.


PI 562694. Glycine max (L.) Merr. FABACEAE Soybean


PI 562695. Festuca arundinacea Schreber  POACEAE  Tall fescue

Donated by: Bouton, J.H., Georgia Agr. Exp. Sta., University of Georgia, Athens, Georgia  30602, United States; and Soil Conservation Service - USDA. remarks: Georgia 5 Tall Fescue. Received October 22, 1992.


PI 562696. Phaseolus vulgaris L.  FABACEAE  Bean

Donated by: Taylor, F.J., 1935 Adair Drive, Florence, South Carolina 29501, United States. Received February 02, 1993.


PI 562697. Stylosanthes guianensis (Aublet) Sw.  FABACEAE  Pencilflower

PI 562697-continued


PI 562698. Zea mays L. subsp. mays POACEAE Corn

Donated by: Whittemore, A.T., USDA-ARS, Georgia Station, University of Georgia, Griffin, Georgia 30223-1797, United States. Received May 18, 1992.


PI 562699. Cynodon sp. POACEAE Bermudagrass

Donated by: Burton, G.W., Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Tifton, Georgia 31793, United States; and Georgia Agr. Exp. Sta., United States. remarks: Tifton 85 Bermudagrass. Received November 09, 1992.

origin: United States. developed: G.W. Burton, R.N. Gates, G.M. Hill. origin institute: Agricultural Research Service -- USDA, Georgia Coastal Plain Exp. Sta., Box 748, Tifton, Georgia 31793 United States. cultivar: TIFTON 85. pedigree: Sterile Fl hybrid (2n = 5x = 45) between South African PI 290884 and Tifton 68, a highly digestible Fl (2n = 60) between Kenya PIs 255450 and 293606. other id: CV-20. group: CSR-BERMUDAGRASS. restricted: CSR. remarks: Plants tall (50cm), large, coarse stemmed, very dark green, with large rhizomes and rapidly spreading stolons. In two clipping tests, produced 26% more dry matter that was 11% more digestible and 10% more succulent than Coastal bermudagrass. Grazed 3 years, produced 47% more LWG/ha than Tifton 78 that produced 36% more than Coastal in an earlier 3-year test. Perennial. Cultivar. Plant.
PI 562700. Triticum aestivum L., nom. cons. POACEAE Common wheat


PI 562701 to 563509. Sorghum bicolor (L.) Moench POACEAE

Donated by: ICRISAT, Patancheru, Andhra Pradesh 502 324, India. Received October 09, 1992.


313
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PI 562701 to 563509-continued

PI 562723 origin: United States. origin institute id: IS 805. 
other id: MS 129. locality: Mandan. Cultivated. Seed.

PI 562724 origin: United States. origin institute id: IS 806. 
other id: MS 132. Cultivated. Seed.

PI 562725 origin: United States. origin institute id: IS 810. 
other id: MS 314. Cultivated. Seed.

PI 562726 origin: UNKNOWN. origin institute id: IS 861. cultivar: 

PI 562727 origin: United States. origin institute id: IS 880. 
cultivar: EXTRA EARLY PINK. Cultivar. Seed.

PI 562728 origin: United States. origin institute id: IS 893. 
cultivar: DAREST. Cultivar. Seed.

PI 562729 origin: United States. origin institute id: IS 898. 
cultivar: TUNIS GRAIN. other id: SA 6223. locality: 
Lubbock. Cultivar. Seed.

PI 562730 origin: United States. origin institute id: IS 900. 
Seed.

PI 562731 origin: Mexico. origin institute id: IS 902. cultivar: 
LGV 79. Cultivar. Seed.

PI 562732 origin: Mexico. origin institute id: IS 903. cultivar: 

PI 562733 origin: Mexico. origin institute id: IS 904. cultivar: 

PI 562734 origin: Sudan. origin institute id: IS 918. cultivar: 
DURRA EL. SABRI. other id: FC 4664. Cultivar. Seed.

PI 562735 origin: Sudan. origin institute id: IS 921. cultivar: 
FETERITA SHENDI. other id: FC 4693. Cultivar. Seed.

PI 562736 origin: Sudan. origin institute id: IS 941. cultivar: 
ATAMINE. other id: FC 4561. Cultivar. Seed.

PI 562737 origin: United States. origin institute id: IS 963. 

PI 562738 origin: India. origin institute id: IS 1009. cultivar: 
PARBHANDI NISAM. other id: SA 6474. Cultivar. Seed.


PI 562760  origin: Italy.  origin institute id: IS 2883.  other id: FAO 8482.  other id: S 50.  Cultivated.  Seed.


PI 562773  origin: Sudan.  origin institute id: IS 3475.  cultivar: DINDRAWI.  Cultivar.  Seed.
PI 562784  origin: India.  origin institute id: IS 3973.  cultivar: JOWAR KALA.  other id: IC 9184.  Cultivar.  Seed.


PI 562789  origin: India.  origin institute id: IS 4337.  cultivar: CHATKULA SINAWAL.  Cultivar.  Seed.


PI 562795  origin: India.  origin institute id: IS 4529.  cultivar: BAGRI.  Cultivar.  Seed.

PI 562796  origin: India.  origin institute id: IS 4534.  cultivar: LATURI RABI NUGAON.  Cultivar.  Seed.


PI 562798  origin: India.  origin institute id: IS 4601.  cultivar: SHIVALA DEGLOOR.  Cultivar.  Seed.

PI 562799  origin: India.  origin institute id: IS 4603.  cultivar: DUKRI DEGLOOR.  Cultivar.  Seed.

PI 562800  origin: India.  origin institute id: IS 4619.  cultivar: DAGRI LAKHI.  Cultivar.  Seed.
PI 562701 to 563509-continued

PI 562801  
origin: India. origin institute id: IS 4624. cultivar: SHERKHAND NILANGA. Cultivar. Seed.

PI 562802  
origin: India. origin institute id: IS 4629. cultivar: MALDANDI PARANDA. Cultivar. Seed.

PI 562803  
origin: India. origin institute id: IS 4636. cultivar: GILI WAKADI. Cultivar. Seed.

PI 562804  
origin: India. origin institute id: IS 4649. cultivar: HARNI JOGRI SAYYAD WARWAD. Cultivar. Seed.

PI 562805  
origin: India. origin institute id: IS 4653. cultivar: DAGRI DEVGAON. Cultivar. Seed.

PI 562806  
origin: India. origin institute id: IS 4661. cultivar: MALDANDI MANORAP. Cultivar. Seed.

PI 562807  
origin: India. origin institute id: IS 4675. cultivar: DAGRI SHERDE NSATARA. Cultivar. Seed.

PI 562808  
origin: India. origin institute id: IS 4688. cultivar: KALGONDI HABKANGALE. Cultivar. Seed.

PI 562809  
origin: India. origin institute id: IS 4689. cultivar: TAMAR GUNDI. Cultivar. Seed.

PI 562810  
origin: India. origin institute id: IS 4693. cultivar: MADAGILI HATHKANGLE. Cultivar. Seed.

PI 562811  
origin: India. origin institute id: IS 4706. cultivar: DAGRI LAVLE. Cultivar. Seed.

PI 562812  

PI 562813  

PI 562814  

PI 562815  

PI 562816  

PI 562817  
<table>
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<th>PI 562701 to 563509-continued</th>
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<td><strong>PI 562818</strong></td>
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<tr>
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<td><strong>PI 562832</strong></td>
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<td><strong>PI 562833</strong></td>
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322
PI 562850  origin: India.  origin institute id: IS 5551.  cultivar: BILI JOLA.  locality: Raichur.  Cultivar.  Seed.
PI 562851  origin: India.  origin institute id: IS 5570.  cultivar: HASARU JOLA.  locality: Raichur.  Cultivar.  Seed.
PI 562860  origin: India.  origin institute id: IS 5718.  cultivar: MASURIA KARAMER.  Cultivar.  Seed.
PI 562861  origin: India.  origin institute id: IS 5721.  cultivar: MUSORIA KARAMPUR.  Cultivar.  Seed.
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<tr>
<th>Accession Number</th>
<th>Origin</th>
<th>Origin Institute ID</th>
<th>Cultivar</th>
<th>Locality</th>
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<td>PI 562867</td>
<td>India</td>
<td>IS 5861</td>
<td>Peel BEDRA</td>
<td>Chhindwara Cultivar Seed</td>
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<td>PI 562868</td>
<td>India</td>
<td>IS 5881</td>
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<td>Chhindwara Cultivated Seed</td>
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<tr>
<td>PI 562869</td>
<td>India</td>
<td>IS 5899</td>
<td>KALPUR</td>
<td>Raipur Cultivar Seed</td>
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<td>PI 562870</td>
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<td>IS 5947</td>
<td>JAWA</td>
<td>Rewa Cultivar Seed</td>
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<td>PI 562871</td>
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<td>IS 5988</td>
<td>JAMAI JUNDI DHAORI</td>
<td>Panna Cultivar Seed</td>
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<td>PI 562872</td>
<td>India</td>
<td>IS 6001</td>
<td>LAHAR KHURD</td>
<td>Tikaugarh Cultivar Seed</td>
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<td>PI 562873</td>
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<td>IS 6032</td>
<td>LAL</td>
<td>Ludhiana Cultivar Seed</td>
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<td>PI 562874</td>
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<td>CHARI JOWAR</td>
<td>Cultivar Seed</td>
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<td>PI 562876</td>
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<td>JOWAR BAHINA</td>
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<td>PI 562877</td>
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<td>JOWAR RED SPOTI</td>
<td>Orni Cultivar Seed</td>
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<td>PI 562878</td>
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<td>JOWAR</td>
<td>Hamirpur Cultivar Seed</td>
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<td>PI 562879</td>
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<td>JOWAR SACHENDI</td>
<td>Kanpur Cultivar Seed</td>
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<td>PI 562881</td>
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<td>Bahraich Cultivar Seed</td>
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<td>JOWAR WHITE</td>
<td>Pilibhit Cultivar Seed</td>
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<td>PI 562883</td>
<td>India</td>
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<td>CHARI BAROHAN</td>
<td>Pilibhit Cultivar Seed</td>
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PI 562701 to 563509-continued


PI 562900  origin: Burkina. origin institute id: IS 6755. cultivar: 194 AB FARAKO-BA. Cultivar. Seed.
PI 562701 to 563509-continued

PI 562901  
origin: Burkina.  
cultivar: 201 AB FARAKO - BA.  
Cultivar. Seed.

PI 562902  
origin: Burkina.  
cultivar: 212 AB FARAKO - BA.  
Cultivar. Seed.

PI 562903  
origin: Burkina.  
cultivar: 219 AB FARAKO - BA.  
Cultivar. Seed.

PI 562904  
origin: Burkina.  
cultivar: 223 AB FARAKO - BA.  
Cultivar. Seed.

PI 562905  
origin: Burkina.  
cultivar: 258 AB FARAKO - BA.  
Cultivar. Seed.

PI 562906  
origin: Burkina.  
cultivar: MANGA. other id: 275.  
Cultivar. Seed.

PI 562907  
origin: Burkina.  
cultivar: HAMBORO. other id: 340.  
Cultivar. Seed.

PI 562908  
origin: Burkina.  
cultivar: BALEATASSI. other id: 342.  
Cultivar. Seed.

PI 562909  
origin: Burkina.  
cultivar: BABATASSI. other id: 343.  
Cultivar. Seed.

PI 562910  
origin: Burkina.  
cultivar: KORAHOUNA. other id: 346.  
Cultivar. Seed.

PI 562911  
origin: Burkina.  
cultivar: BABATATI. other id: 348.  
Cultivar. Seed.

PI 562912  
origin: Burkina.  
cultivar: KOROMOUNA. other id: 349.  
Cultivar. Seed.

PI 562913  
origin: Burkina.  
cultivar: KORHBIRI. other id: 352.  
Cultivar. Seed.

PI 562914  
origin: Burkina.  
cultivar: YOKO. other id: 353.  
Cultivar. Seed.

PI 562915  
origin: Burkina.  
cultivar: BELOKO. other id: 355.  
Cultivar. Seed.

PI 562916  
origin: United States.  
cultivar: DEGAIL. other id: 55.  
Cultivated. Seed.

PI 562917  
origin: Sudan.  
cultivar:  

PI 562918 origin: Sudan. origin institute id: IS 6905. cultivar: CALB EL GAGHAS. other id: 75. Cultivar. Seed.


PI 562938  origin: Sudan.  origin institute id: IS 7024.  cultivar: SUDAN GUINEA CORN.  Cultivar.  Seed.
PI 562701 to 563509-continued


PI 562952 origin: Nigeria. origin institute id: IS 7196. cultivar: AWI BEZIEK. Cultivar. Seed.

PI 562953 origin: Nigeria. origin institute id: IS 7197. cultivar: KAIFF YAR DOKA. Cultivar. Seed.


PI 562956 origin: Nigeria. origin institute id: IS 7229. cultivar: FC STANDARD. Cultivar. Seed.


PI 562964 origin: Nigeria. origin institute id: IS 7342. cultivar: FARAFARA. other id: BO 47. remarks: Resistant to races 1 and 2 of Fusarium oxysporum f. sp. pisi. Cultivar. Seed.
PI 562965  origin: Nigeria.  origin institute id: IS 7352.  
cultivar: MINARE.  other id: BO 58.  locality: Maidugri.  
remarks: Highly tolerant to Aphanomyces root rot.  
Cultivar.  Seed.

PI 562966  origin: Nigeria.  origin institute id: IS 7357.  
cultivar: MARE (PAGAN TRIBES).  other id: BO 66.  
remarks: Resistant to bacterial and Fusarium wilt. High  
resistance to Phytophthora root rot.  Cultivar.  Seed.

PI 562967  origin: Nigeria.  origin institute id: IS 7368.  
cultivar: FARAFARA.  other id: BA 9.  locality: Misan.  
remarks: High resistance to anthracnose and bacterial  

PI 562968  origin: Nigeria.  origin institute id: IS 7371.  
cultivar: DARA FARAFARA KAEI.  other id: BA 14.  

PI 562969  origin: Nigeria.  origin institute id: IS 7377.  
cultivar: FARDE.  other id: BA 20.  remarks: Resistant to  
northern corn leaf blight. Good resistance to diploidia  
stalk rot.  Cultivar.  Seed.

PI 562970  origin: Nigeria.  origin institute id: IS 7393.  
cultivar: FARAFARA.  other id: BA 38.  locality: Gombe.  
remarks: Resistant to northern corn leaf blight. Good  
resistance to diploidia stalk rot.  Cultivar.  Seed.

PI 562971  origin: Nigeria.  origin institute id: IS 7407.  
cultivar: FARAFARA.  other id: BE 10.  locality: Agyargu.  
Cultivar.  Seed.

PI 562972  origin: Nigeria.  origin institute id: IS 7417.  
cultivar: AJAUGWA.  other id: BE 23.  locality:  
Nassarawa.  Cultivar.  Seed.

PI 562973  origin: Nigeria.  origin institute id: IS 7418.  
cultivar: JAN DAWA.  other id: BE 24.  locality: Udengi  
Poki.  Cultivar.  Seed.

PI 562974  origin: Nigeria.  origin institute id: IS 7426.  
cultivar: EHUMA EX. OJIRA OTURKOO.  other id: BE 33.  

PI 562975  origin: Nigeria.  origin institute id: IS 7446.  
cultivar: BASHARANBA.  other id: KA 14.  locality:  
Kakumi.  Cultivar.  Seed.
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<th>PI</th>
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<th>Cultivar</th>
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<td>562977</td>
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<td>YAL MACHINA</td>
<td>KA 29</td>
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<td>562978</td>
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<td>BABADA</td>
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<td>562979</td>
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<td>DUKUS</td>
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<td>562980</td>
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<td>562981</td>
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<td>562983</td>
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<td>KB 11</td>
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<td>562984</td>
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<td>562985</td>
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<td>AYI</td>
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<td>562986</td>
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<td>CHIU</td>
<td>KB 17</td>
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<td>562987</td>
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<td>IS 7493</td>
<td>YARANYO</td>
<td>KO 7</td>
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<td>562988</td>
<td>Nigeria</td>
<td>IS 7500</td>
<td>HAKORIN FARUWA</td>
<td>KO 17</td>
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</table>


PI 563002  origin: Nigeria.  origin institute id: IS 7672.  
cultivar: EKAPAN DZURUGI.  other id: NG 105.  locality:  
Mokwa.  Cultivar.  Seed.

PI 563003  origin: Nigeria.  origin institute id: IS 7684.  
cultivar: KAURA.  other id: NG 117.  locality: Kagara.  
Cultivar.  Seed.

PI 563004  origin: Nigeria.  origin institute id: IS 7693.  
cultivar: RABA.  other id: NG 129.  locality: Zuru.  
Cultivar.  Seed.

PI 563005  origin: Nigeria.  origin institute id: IS 7694.  
cultivar: JAN DAWA.  other id: NG 130.  locality: Danko.  
Cultivar.  Seed.

PI 563006  origin: Nigeria.  origin institute id: IS 7696.  
cultivar: GAGAYA.  other id: NG 133.  locality: Shadadi.  
Cultivar.  Seed.

PI 563007  origin: Nigeria.  origin institute id: IS 7726.  
cultivar: HANTSAN GIWA.  other id: ZA 8.  locality: Awai.  
Cultivar.  Seed.

PI 563008  origin: Nigeria.  origin institute id: IS 7730.  
cultivar: FARAFARA TURANAI.  other id: ZA 13.  locality:  
Kubau.  Cultivar.  Seed.

PI 563009  origin: Nigeria.  origin institute id: IS 7739.  other  

PI 563010  origin: Nigeria.  origin institute id: IS 7748.  
cultivar: FARAFARA.  other id: ZA 32.  locality: Zagan.  
Cultivar.  Seed.

PI 563011  origin: Nigeria.  origin institute id: IS 7759.  
cultivar: YARKATUMI.  other id: ZA 47.  locality: Fagaci.  
Cultivar.  Seed.

PI 563012  origin: Nigeria.  origin institute id: IS 7763.  
cultivar: KAURA BAKANDUNIYA.  other id: ZA 51.  locality:  
Matani.  Cultivar.  Seed.

PI 563013  origin: Nigeria.  origin institute id: IS 7765.  
cultivar: MADAGARAYA TSIBINI.  other id: ZA 53.  locality:  
Madobi.  Cultivar.  Seed.

PI 563014  origin: Nigeria.  origin institute id: IS 7767.  
cultivar: GERON DUBE.  other id: ZA 55.  locality: Lene.  
Cultivar.  Seed.
PI 563015  origin: Nigeria.  origin institute id: IS 7790.  
cultivar: KAURA MAI FARAN KONA.  other id: ZA 81.  

PI 563016  origin: Nigeria.  origin institute id: IS 7813.  
cultivar: TSAWAILA.  other id: ZA 104.  locality: Ikara.  
Cultivar.  Seed.

PI 563017  origin: Nigeria.  origin institute id: IS 7840.  
cultivar: OKABABA FUN FUN.  other id: IN 8.  locality:  
Alapa.  Cultivar.  Seed.

PI 563018  origin: Nigeria.  origin institute id: IS 7851.  
cultivar: DAN DAURA.  other id: IN 20.  locality: Pategi.  
Cultivar.  Seed.

PI 563019  origin: Nigeria.  origin institute id: IS 7871.  
cultivar: KAURA.  other id: IN 42.  locality: Bussa.  
Cultivar.  Seed.

PI 563020  origin: Nigeria.  origin institute id: IS 7885.  
cultivar: OKA FUNFUN.  other id: IN 57.  Cultivar.  Seed.

PI 563021  origin: Nigeria.  origin institute id: IS 7899.  
cultivar: TAPASOHIRA.  other id: IN 72.  locality:  

PI 563022  origin: Nigeria.  origin institute id: IS 7902.  
cultivar: ESSTENE.  other id: IN 75.  locality: Babana.  
Cultivar.  Seed.

PI 563023  origin: Nigeria.  origin institute id: IS 7909.  
cultivar: GIWA KANBA FARIN KONA.  other id: SO 3.  

PI 563024  origin: Nigeria.  origin institute id: IS 7910.  
cultivar: BAKIN KONA.  other id: SO 4.  locality: Jabo.  
Cultivar.  Seed.

PI 563025  origin: Nigeria.  origin institute id: IS 7935.  other  

PI 563026  origin: Nigeria.  origin institute id: IS 7946.  
cultivar: HAKORIN TAMATA.  other id: SO 46.  locality:  
Illo.  Cultivar.  Seed.

PI 563027  origin: Nigeria.  origin institute id: IS 7965.  

PI 563028  origin: Nigeria.  origin institute id: IS 7979.  
cultivar: MALLE.  other id: SO 85.  Cultivar.  Seed.
PI 563029  origin: Nigeria.  origin institute id: IS 7996.  
cultivar: KAURA MAI BAKINKANO.  other id: SO 104.  
PI 563030  origin: Nigeria.  origin institute id: IS 7997.  
PI 563031  origin: Nigeria.  origin institute id: IS 7999.  
cultivar: GIWA DAMBA.  other id: SO 107.  locality:  
Sokoto.  Cultivar.  Seed.
PI 563032  origin: Japan.  origin institute id: IS 8002.  cultivar:  
COLLIER 706C.  Cultivar.  Seed.
PI 563033  origin: Japan.  origin institute id: IS 8005.  cultivar:  
CANE HONEY.  other id: Lot No. 36175.  Cultivar.  Seed.
PI 563034  origin: Japan.  origin institute id: IS 8011.  cultivar:  
NAGANO.  Cultivar.  Seed.
PI 563035  origin: Japan.  origin institute id: IS 8018.  other id:  
PI 563036  origin: Japan.  origin institute id: IS 8022.  other id:  
PI 563037  origin: Japan.  origin institute id: IS 8023.  other id:  
PI 563038  origin: Japan.  origin institute id: IS 8025.  other id:  
PI 563039  origin: Japan.  origin institute id: IS 8029.  other id:  
PI 563040  origin: Japan.  origin institute id: IS 8054.  other id:  
A 57.  Cultivated.  Seed.
PI 563041  origin: Japan.  origin institute id: IS 8063.  other id:  
PI 563042  origin: Japan.  origin institute id: IS 8069.  other id:  
A 70.  Cultivated.  Seed.
PI 563043  origin: Japan.  origin institute id: IS 8084.  other id:  
A 82-1.  Cultivated.  Seed.
PI 563044  origin: Japan.  origin institute id: IS 8096.  other id:  
A 91.  Cultivated.  Seed.


PI 563059  origin: Uganda. origin institute id: IS 8240. other id: SB 100. other id: EC 21437. Cultivated. Seed.


PI 562701 to 563509-continued

PI 563062  
origin: Uganda.  
origin institute id: IS 8256.  
other id: SB 258.  
other id: EC 21455.  
Cultivated.  
Seed.

PI 563063  
origin: Uganda.  
origin institute id: IS 8261.  
other id: SB 494.  
other id: EC 21461.  
Cultivated.  
Seed.

PI 563064  
origin: Uganda.  
origin institute id: IS 8262.  
other id: EC 21462.  
Cultivated.  
Seed.

PI 563065  
origin: Tanzania.  
origin institute id: IS 8270.  
other id: STR 5/18.  
other id: EC 21471.  
Cultivated.  
Seed.

PI 563066  
origin: Uganda.  
origin institute id: IS 8271.  
other id: EC 21472.  
Cultivated.  
Seed.

PI 563067  
origin: Uganda.  
origin institute id: IS 8285.  
other id: EC 21486.  
Cultivated.  
Seed.

PI 563068  
origin: United States.  
origin institute id: IS 8303.  
other id: SA 9129-26-6.  
Cultivated.  
Seed.

PI 563069  
origin: India.  
origin institute id: IS 8310.  
cultivar: SUKHPUR KUTCH.  
locality: Kutch.  
Cultivar.  
Seed.

PI 563070  
origin: India.  
origin institute id: IS 8311.  
cultivar: VAYOR KUTCH.  
locality: Kutch.  
Cultivar.  
Seed.

PI 563071  
origin: India.  
origin institute id: IS 8312.  
cultivar: DAYAPER KUTCH.  
locality: Kutch.  
Cultivar.  
Seed.

PI 563072  
origin: India.  
origin institute id: IS 8314.  
cultivar: MUNDRA KUTCH.  
locality: Kutch.  
Cultivar.  
Seed.

PI 563073  
origin: India.  
origin institute id: IS 8317.  
cultivar: JOWAR NAGALPUR KUTCH.  
locality: Kutch.  
Cultivar.  
Seed.

PI 563074  
origin: India.  
origin institute id: IS 8320.  
cultivar: JOWAR BADIKHAKHAR.  
locality: Kutch.  
Cultivar.  
Seed.

PI 563075  
origin: India.  
origin institute id: IS 8321.  
cultivar: JOWAR DHUNAI KUTCH.  
locality: Kutch.  
Cultivar.  
Seed.

PI 563076  
origin: India.  
origin institute id: IS 8323.  
cultivar: JOWAR NINGAR RATNAL.  
locality: Kutch.  
Cultivar.  
Seed.

PI 563077  
origin: India.  
origin institute id: IS 8324.  
cultivar: JOWAR KONDURLI KUTCH.  
locality: Kutch.  
Cultivar.  
Seed.

PI 563078  
origin: India.  
origin institute id: IS 8325.  
cultivar: JOWAR KUTCH.  
locality: Kutch.  
Cultivar.  
Seed.


PI 563094  origin: Ethiopia.  origin institute id: IS 8532.  

PI 563095  origin: Ethiopia.  origin institute id: IS 8533.  
cultivar: KOSELAKUBA 60.  Cultivar.  Seed.

PI 563096  origin: Ethiopia.  origin institute id: IS 8538.  
cultivar: PIETERSBURG 66.  remarks: Tall baker.  
Cultivar.  Seed.

PI 563097  origin: Ethiopia.  origin institute id: IS 8543.  
cultivar: PIETERSBURG 72.  remarks: Light EWS.  Cultivar.  
Seed.

PI 563098  origin: Ethiopia.  origin institute id: IS 8545.  
cultivar: MORABA 74.  Cultivar.  Seed.

PI 563099  origin: Uganda.  origin institute id: IS 8552.  other id: 

PI 563100  origin: Uganda.  origin institute id: IS 8553.  other id: 

PI 563101  origin: Uganda.  origin institute id: IS 8554.  other id: 

PI 563102  origin: Uganda.  origin institute id: IS 8614.  other id: 

PI 563103  origin: Uganda.  origin institute id: IS 8615.  other id: 
E 68.  locality: Kawanda area.  Cultivated.  Seed.

PI 563104  origin: Uganda.  origin institute id: IS 8619.  other id: 
E 72.  locality: Longo area.  Cultivated.  Seed.

PI 563105  origin: Uganda.  origin institute id: IS 8621.  other id: 
E 74.  locality: Longo area.  Cultivated.  Seed.

PI 563106  origin: Uganda.  origin institute id: IS 8624.  other id: 
E 77.  locality: Longo area.  Cultivated.  Seed.

PI 563107  origin: Uganda.  origin institute id: IS 8625.  other id: 
E 78.  locality: Longo area.  Cultivated.  Seed.

PI 563108  origin: Uganda.  origin institute id: IS 8628.  other id: 

PI 563109  origin: Uganda.  origin institute id: IS 8630.  other id: 
E 83.  locality: Bunyora area.  Cultivated.  Seed.

PI 563110  origin: United States.  origin institute id: IS 8632.  
other id: E 85.  Cultivated.  Seed.
PI 563111  origin: South Africa.  origin institute id: IS 8637.  
other id: E 90.  Cultivated.  Seed.

PI 563112  origin: Uganda.  origin institute id: IS 8638.  other id:  
E 91.  locality: Teso area.  Cultivated.  Seed.

PI 563113  origin: Uganda.  origin institute id: IS 8640.  other id:  

PI 563114  origin: Uganda.  origin institute id: IS 8642.  other id:  
E 95.  Cultivated.  Seed.

PI 563115  origin: Uganda.  origin institute id: IS 8644.  other id:  

PI 563116  origin: Uganda.  origin institute id: IS 8645.  other id:  

PI 563117  origin: Uganda.  origin institute id: IS 8650.  other id:  

PI 563118  origin: Uganda.  origin institute id: IS 8655.  other id:  

PI 563119  origin: Uganda.  origin institute id: IS 8656.  other id:  

PI 563120  origin: United States.  origin institute id: IS 8661.  

PI 563121  origin: South Africa.  origin institute id: IS 8669.  
Cultivated.  Seed.

PI 563122  origin: Swaziland.  origin institute id: IS 8672.  other  

PI 563123  origin: Swaziland.  origin institute id: IS 8678.  other  

PI 563124  origin: Swaziland.  origin institute id: IS 8679.  other  
id: E 133.  Cultivated.  Seed.

PI 563125  origin: Swaziland.  origin institute id: IS 8680.  other  

PI 563126  origin: Nigeria.  origin institute id: IS 8686.  
cultivar: BELKO.  other id: E 140.  Cultivar.  Seed.

PI 563127  origin: Nigeria.  origin institute id: IS 8706.  other  

340


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PI 563195  

PI 563196  

PI 563197  
**origin**: Kenya. **origin institute id**: IS 9129. **pedigree**: Wild X Cult. **other id**: E 940. **locality**: Kisumu 40M. Cultivated. Seed.

PI 563198  

PI 563199  

PI 563200  

PI 563201  

PI 563202  
**origin**: United States. **origin institute id**: IS 9141. **other id**: E 952. Cultivated. Seed.

PI 563203  
**origin**: United States. **origin institute id**: IS 9145. **other id**: E 956. Cultivated. Seed.

PI 563204  

PI 563205  

PI 563206  

PI 563207  

PI 563208  

PI 563209  

PI 563210  
**origin**: South Africa. **origin institute id**: IS 9179. **other id**: E 1087. Cultivated. Seed.
PI 562701 to 563509—continued

PI 563211 origin: South Africa. origin institute id: IS 9181. 
other id: E 1089. Cultivated.  Seed.

PI 563212 origin: South Africa. origin institute id: IS 9182. 
other id: E 1090. Cultivated.  Seed.

PI 563213 origin: South Africa. origin institute id: IS 9183. 
other id: E 1091. Cultivated.  Seed.

PI 563214 origin: Somalia. origin institute id: IS 9187. 

PI 563215 origin: Somalia. origin institute id: IS 9189. 
cultivar: MAZANGO. Cultivar.  Seed.

PI 563216 origin: Uganda. origin institute id: IS 9191. other id: 

PI 563217 origin: Uganda. origin institute id: IS 9192. cultivar: 
SB 201. other id: E 1102. locality: Karamoja. 
Cultivar.  Seed.

PI 563218 origin: Uganda. origin institute id: IS 9194. other id: 
Seed.

PI 563219 origin: Uganda. origin institute id: IS 9199. other id: 

PI 563220 origin: Uganda. origin institute id: IS 9200. other id: 

PI 563221 origin: Uganda. origin institute id: IS 9203. other id: 

PI 563222 origin: United States. origin institute id: IS 9204. 

PI 563223 origin: Kenya. origin institute id: IS 9207. other id: 

PI 563224 origin: Kenya. origin institute id: IS 9208. other id: 

PI 563225 origin: Tanzania. origin institute id: IS 9213. 
cultivar: FERI. other id: E 1140. locality: Kikombo. 
Cultivar.  Seed.

PI 563226 origin: Uganda. origin institute id: IS 9215. cultivar: 
NAMATERE. other id: E 1142. Cultivar.  Seed.
PI 562701 to 563509-continued


PI 563236  origin: Sudan. origin institute id: IS 9227. cultivar: TOGI 75. other id: E 1154. Cultivar. Seed.


PI 563243  
**origin:** Uganda.  
**origin institute id:** IS 9245.  
**other id:** E 1178.  
**cultivar:**  
**Seed.**

PI 563244  
**origin:** Uganda.  
**origin institute id:** IS 9246.  
**other id:** E 1179.  
**cultivar:**  
**Seed.**

PI 563245  
**origin:** Uganda.  
**origin institute id:** IS 9247.  
**other id:** E 1180.  
**cultivar:**  
**Seed.**

PI 563246  
**origin:** Uganda.  
**origin institute id:** IS 9248.  
**other id:** E 1181.  
**cultivar:**  
**Seed.**

PI 563247  
**origin:** Uganda.  
**origin institute id:** IS 9249.  
**other id:** E 1182.  
**cultivar:**  
**Seed.**

PI 563248  
**origin:** Sudan.  
**origin institute id:** IS 9250.  
**cultivar:** YEI. LOCAL.  
**other id:** E 1183.  
**cultivar:**  
**Seed.**

PI 563249  
**origin:** South Africa.  
**origin institute id:** IS 9251.  
**other id:** E 1184.  
**cultivar:**  
**Seed.**

PI 563250  
**origin:** South Africa.  
**origin institute id:** IS 9252.  
**other id:** E 1186.  
**remarks:** Imbricate glume.  
**cultivar:**  
**Seed.**

PI 563251  
**origin:** Uganda.  
**origin institute id:** IS 9258.  
**pedigree:** Dobbs selection.  
**other id:** E 1204.  
**remarks:** Striga resistant.  
**cultivar:**  
**Seed.**

PI 563252  
**origin:** Uganda.  
**origin institute id:** IS 9259.  
**pedigree:** Dobbs selection.  
**other id:** E 1205.  
**cultivar:**  
**Seed.**

PI 563253  
**origin:** Uganda.  
**origin institute id:** IS 9260.  
**cultivar:** SRD 1.  
**other id:** E 1206.  
**cultivar:**  
**Seed.**

PI 563254  
**origin:** Uganda.  
**origin institute id:** IS 9262.  
**cultivar:** COMBINE TYPE 3.  
**other id:** E 1208.  
**cultivar:**  
**Seed.**

PI 563255  
**origin:** Uganda.  
**origin institute id:** IS 9267.  
**other id:** E 642.  
**cultivar:**  
**Seed.**

PI 563256  
**origin:** Uganda.  
**origin institute id:** IS 9268.  
**other id:** E 643.  
**cultivar:**  
**Seed.**

PI 563257  
**origin:** Uganda.  
**origin institute id:** IS 9270.  
**other id:** E 647.  
**cultivar:**  
**Seed.**

PI 563258  
**origin:** Sudan.  
**origin institute id:** IS 9282.  
**cultivar:** BAHANA.  
**locality:** Wadenwait.  
**cultivar:**  
**Seed.**

PI 563259  
**origin:** Sudan.  
**origin institute id:** IS 9283.  
**locality:** Wadenwait.  
**cultivar:**  
**Seed.**
PI 562701 to 563509-continued

PI 563274  
origin: South Africa. origin institute id: IS 9437. 

PI 563275  
origin: South Africa. origin institute id: IS 9465. 

PI 563276  
origin: South Africa. origin institute id: IS 9472. 

PI 563277  
origin: South Africa. origin institute id: IS 9474. 

PI 563278  
origin: South Africa. origin institute id: IS 9477. 

PI 563279  
origin: South Africa. origin institute id: IS 9479. 

PI 563280  
origin: South Africa. origin institute id: IS 9480. 

PI 563281  
origin: South Africa. origin institute id: IS 9481. 

PI 563282  
origin: South Africa. origin institute id: IS 9483. 

PI 563283  
origin: South Africa. origin institute id: IS 9485. 

PI 563284  
origin: South Africa. origin institute id: IS 9486. 

PI 563285  
origin: South Africa. origin institute id: IS 9487. 

PI 563286  
origin: South Africa. origin institute id: IS 9489. 


353
PI 563327  
origin: Sudan.  
origin institute id: IS 9978.  
cultivar: FETTERITA 1931.  
locality: Gezira Research Station.  
Cultivar.  
Seed.

PI 563328  
origin: Sudan.  
origin institute id: IS 9981.  
cultivar: WAD AKR RED.  
locality: Gezira Research Station.  
Cultivar.  
Seed.

PI 563329  
origin: Ethiopia.  
origin institute id: IS 10005.  
other id: D2 6203-41.  
locality: Debra Zeit.  
Cultivated.  
Seed.

PI 563330  
origin: Ethiopia.  
origin institute id: IS 10013.  
other id: D2 6403-93.  
Cultivated.  
Seed.

PI 563331  
origin: Ethiopia.  
origin institute id: IS 10014.  
other id: D2 6403-95.  
locality: Debra Zeit.  
Cultivated.  
Seed.

PI 563332  
origin: Ethiopia.  
origin institute id: IS 10015.  
other id: D2 6403-96.  
locality: Debra Zeit.  
Cultivated.  
Seed.

PI 563333  
origin: Ethiopia.  
origin institute id: IS 10032.  
cultivar: ASMARA MARKET 13.  
locality: Asmara.  
Cultivar.  
Seed.

PI 563334  
origin: Burkina.  
origin institute id: IS 10060.  
other id: No. 509.  
Cultivated.  
Seed.

PI 563335  
origin: Burkina.  
origin institute id: IS 10068.  
cultivar: TIAMASSIE-GORDAAN.  
other id: No. 142.  
Cultivar.  
Seed.

PI 563336  
origin: Burkina.  
origin institute id: IS 10097.  
cultivar: OUENI.  
other id: No. 370.  
Cultivar.  
Seed.

PI 563337  
origin: Burkina.  
origin institute id: IS 10101.  
cultivar: KAYHATIF.  
other id: No. 549.  
Cultivar.  
Seed.

PI 563338  
origin: Burkina.  
origin institute id: IS 10105.  
other id: No. 661.  
Cultivated.  
Seed.

PI 563339  
origin: Burkina.  
origin institute id: IS 10107.  
cultivar: KAPLA.  
other id: No. 57.  
Cultivar.  
Seed.

PI 563340  
origin: Burkina.  
origin institute id: IS 10118.  
cultivar: WAG-ZOANGA.  
other id: No. 215.  
Cultivar.  
Seed.

PI 563341  
origin: Burkina.  
origin institute id: IS 10135.  
cultivar: WANGMIGA.  
other id: No. 531.  
Cultivar.  
Seed.
PI 562701 to 563509-continued

PI 563342  origin: Burkina. origin institute id: IS 10137. 
cultivar: LOO BMIOUGOU. other id: No. 563. Cultivar. Seed.

PI 563343  origin: Burkina. origin institute id: IS 10139. other 
id: No. 651. Cultivated. Seed.

PI 563344  origin: Burkina. origin institute id: IS 10143. 

PI 563345  origin: Burkina. origin institute id: IS 10155. 
cultivar: BIMOANBA. other id: No. 60. Cultivar. Seed.

PI 563346  origin: Burkina. origin institute id: IS 10158. 
cultivar: PAPIENLI. other id: No. 74. Cultivar. Seed.

PI 563347  origin: Burkina. origin institute id: IS 10159. 
cultivar: OOEDEZOURE. other id: No. 126. Cultivar. Seed.

PI 563348  origin: Burkina. origin institute id: IS 10162. other 

PI 563349  origin: Burkina. origin institute id: IS 10167. 
cultivar: ZEOULE. other id: No. 198. Cultivar. Seed.

PI 563350  origin: Burkina. origin institute id: IS 10168. other 

PI 563351  origin: Burkina. origin institute id: IS 10174. 
cultivar: TONNETOLOO. other id: No. 327. Cultivar. Seed.

PI 563352  origin: Burkina. origin institute id: IS 10177. 
cultivar: PARKONGE. Cultivar. Seed.

PI 563353  origin: Burkina. origin institute id: IS 10178. 

PI 563354  origin: Burkina. origin institute id: IS 10180. 
cultivar: VIRIGO. other id: No. 450. Cultivar. Seed.

PI 563355  origin: Burkina. origin institute id: IS 10181. 

PI 563356  origin: Burkina. origin institute id: IS 10183. 
PI 563357  origin: Burkina. origin institute id: IS 10184.  
PI 563358  origin: Burkina. origin institute id: IS 10185.  
cultivar: DOR. other id: No. 460. Cultivar. Seed.
PI 563360  origin: Burkina. origin institute id: IS 10187.  
cultivar: SAMBA. other id: No. 462. Cultivar. Seed.
PI 563361  origin: Burkina. origin institute id: IS 10189.  
cultivar: GOAURI. other id: No. 478. Cultivar. Seed.
PI 563362  origin: Burkina. origin institute id: IS 10190.  
cultivar: NOONINKAN. other id: No. 480. Cultivar. Seed.
PI 563363  origin: Burkina. origin institute id: IS 10191.  
cultivar: BAMCANGA. other id: No. 524. Cultivar. Seed.
PI 563365  origin: Burkina. origin institute id: IS 10194.  
cultivar: GBERZON. other id: No. 682. Cultivar. Seed.
PI 563367  origin: France. origin institute id: IS 10208.  
PI 563368  origin: France. origin institute id: IS 10210.  
PI 563369  origin: France. origin institute id: IS 10214.  
PI 563370  origin: France. origin institute id: IS 10216.  
PI 563371  origin: France. origin institute id: IS 10218.  
PI 563372  origin: United States. origin institute id: IS 10219.  
cultivar: DESERT BISHOP. other id: FC 8889. Cultivar. Seed.
PI 563373  origin: United States. origin institute id: IS 10220. 
cultivar: SMITH MUOTTY-HYBRID. other id: FC 3201. 
Cultivar. Seed.

PI 563374  origin: United States. origin institute id: IS 10248. 
pedigree: Kafir derivative B. Cultivated. Seed.

PI 563375  origin: United States. origin institute id: IS 10264. 
cultivar: COMBINE KAFIR 610 B. Cultivar. Seed.

PI 563376  origin: Japan. origin institute id: IS 10267. 
Cultivated. Seed.

PI 563377  origin: Sudan. origin institute id: IS 10278. locality: 

PI 563378  origin: Sudan. origin institute id: IS 10279. locality: 

PI 563379  origin: Sudan. origin institute id: IS 10282. locality: 

PI 563380  origin: Sudan. origin institute id: IS 10283. locality: 

PI 563381  origin: Sudan. origin institute id: IS 10285. locality: 

PI 563382  origin: United States. origin institute id: IS 10286. 
cultivar: RELIANCE B. Cultivar. Seed.

PI 563383  origin: United States. origin institute id: IS 10290. 
cultivar: SD 100. Cultivar. Seed.

PI 563384  origin: United States. origin institute id: IS 10291. 
cultivar: SD 102. Cultivar. Seed.

PI 563385  origin: Nigeria. origin institute id: IS 10296. remarks: 
GMS. Bulk I. Cultivated. Seed.

PI 563386  origin: Nigeria. origin institute id: IS 10298. remarks: 
G 26-3-1. Cultivated. Seed.

PI 563387  origin: China. origin institute id: IS 10300. pedigree: 
Shallu X S. Propinquum. Cultivated. Seed.

PI 563388  origin: United States. origin institute id: IS 10308. 

PI 563389  origin: United States. origin institute id: IS 10318. 
PI 562701 to 563509-continued

PI 563390  origin: Israel.  origin institute id: IS 10354.  
pedigree: MS 37 selection B.  Cultivated.  Seed.

PI 563391  origin: Israel.  origin institute id: IS 10362.  
cultivar: MS 601 COMBINE KAFIR B.  Cultivar.  Seed.

PI 563392  origin: Uganda.  origin institute id: IS 10422.  other 
id: E 816 B.  Cultivated.  Seed.

PI 563393  origin: Uganda.  origin institute id: IS 10424.  other 
id: E 818 B.  Cultivated.  Seed.

PI 563394  origin: Uganda.  origin institute id: IS 10452.  other 
id: E 860 B.  Cultivated.  Seed.

PI 563395  origin: Uganda.  origin institute id: IS 10464.  other 
id: E 866 B.  Cultivated.  Seed.

PI 563396  origin: Uganda.  origin institute id: IS 10466.  other 
id: E 867 B.  Cultivated.  Seed.

PI 563397  origin: Uganda.  origin institute id: IS 10470.  other 
id: E 869 B.  Cultivated.  Seed.

PI 563398  origin: United States.  origin institute id: IS 10472.  
other id: 57 M 4088.  Cultivated.  Seed.

PI 563399  origin: United States.  origin institute id: IS 10477.  
other id: 196.  Cultivated.  Seed.

PI 563400  origin: United States.  origin institute id: IS 10489.  
cultivar: WHITE WESTLAND.  Cultivar.  Seed.

PI 563401  origin: United States.  origin institute id: IS 10491.  
cultivar: WHITE WESTLAND.  Cultivar.  Seed.

PI 563402  origin: United States.  origin institute id: IS 10497.  
other id: 55 H 6095.  Cultivated.  Seed.

PI 563403  origin: United States.  origin institute id: IS 10503.  
cultivar: WESTLAND.  Cultivar.  Seed.

PI 563404  origin: United States.  origin institute id: IS 10505.  
other id: 56 H 5268.  Cultivated.  Seed.

PI 563405  origin: United States.  origin institute id: IS 10520.  

PI 563406  origin: United States.  origin institute id: IS 10531.  
PI 563422 origin: United States. origin institute id: IS 10671. cultivar: DWARP IMPROVED KAFIR. Cultivar. Seed.
PI 562701 to 563509-continued

PI 563424  

PI 563425  
    origin: China. origin institute id: IS 10674. cultivar: REDBINE MAINTAINEE. Cultivar. Seed.

PI 563426  

PI 563427  

PI 563428  

PI 563429  

PI 563430  

PI 563431  

PI 563432  

PI 563433  

PI 563434  

PI 563435  
    origin: Chad. origin institute id: IS 10753. cultivar: OVA KELA. other id: No. 708. Cultivar. Seed.

PI 563436  

PI 563437  
    origin: Chad. origin institute id: IS 10786. cultivar: GOP. other id: No. 1032. Cultivar. Seed.

PI 563438  
    origin: Chad. origin institute id: IS 10797. cultivar: OUA KASS. other id: No. 1168. Cultivar. Seed.

PI 563439  
    origin: Chad. origin institute id: IS 10810. cultivar: OUA KOLL. other id: No. 1360. Cultivar. Seed.

PI 563440  
    origin: Chad. origin institute id: IS 10819. cultivar: OUA KASS. other id: No. 1439. Cultivar. Seed.
PI 563441  origin: Chad.  origin institute id: IS 10833.  cultivar: TCHOKOLUM.  other id: No. 1536. Cultivar. Seed.

PI 563442  origin: Chad.  origin institute id: IS 10835.  cultivar: TCHOKOLUM.  other id: No. 1538. Cultivar. Seed.


PI 563457  origin: United States.  origin institute id: IS 10938.  
pedigree: Selection from OP Yellow Cross.  Cultivated.  
Seed.

PI 563458  origin: United States.  origin institute id: IS 10966.  
Cultivated.  Seed.

PI 563459  origin: United States.  origin institute id: IS 10967.  
Cultivated.  Seed.

PI 563460  origin: United States.  origin institute id: IS 10968.  
Cultivated.  Seed.

PI 563461  origin: United States.  origin institute id: IS 10974.  
Cultivated.  Seed.

PI 563462  origin: United States.  origin institute id: IS 10977.  
Cultivated.  Seed.

PI 563463  origin: United States.  origin institute id: IS 10980.  
Cultivated.  Seed.

PI 563464  origin: United States.  origin institute id: IS 10984.  
Cultivated.  Seed.

PI 563465  origin: United States.  origin institute id: IS 10987.  
Cultivated.  Seed.

PI 563466  origin: United States.  origin institute id: IS 10988.  
Cultivated.  Seed.

PI 563467  origin: United States.  origin institute id: IS 10989.  
Cultivated.  Seed.

PI 563468  origin: United States.  origin institute id: IS 10991.  
Cultivated.  Seed.

PI 563469  origin: United States.  origin institute id: IS 10995.  
Cultivated.  Seed.

PI 563470  origin: United States.  origin institute id: IS 10996.  
Cultivated.  Seed.

PI 563471  origin: United States.  origin institute id: IS 10997.  
Cultivated.  Seed.

PI 563472  origin: United States.  origin institute id: IS 10999.  
Cultivated.  Seed.

PI 563473  origin: United States.  origin institute id: IS 11000.  
Cultivated.  Seed.
PI 563502 origin: Chad. origin institute id: IS 12486. Cultivated. Seed.
PI 563503 origin: Chad. origin institute id: IS 12494. Cultivated. Seed.
PI 563504 origin: Chad. origin institute id: IS 12496. Cultivated. Seed.
PI 563505 origin: Chad. origin institute id: IS 12503. Cultivated. Seed.
PI 563506 origin: Chad. origin institute id: IS 12507. Cultivated. Seed.
PI 563507 origin: India. origin institute id: IS 12680. other id: CI 1197. Cultivated. Seed.


PI 563510 to 563513.  Sorghum arundinaceum (Desv.) Stapf  POACEAE

Donated by: ICRISAT, Patancheru, Andhra Pradesh 502 324, India.  Received October 09, 1992.


PI 563514.  Sorghum halepense (L.) Pers.  POACEAE

Donated by: ICRISAT, Patancheru, Andhra Pradesh 502 324, India.  Received October 09, 1992.


PI 563515 to 563516.  Sorghum x almum L. Parodi  POACEAE

Donated by: ICRISAT, Patancheru, Andhra Pradesh 502 324, India.  Received October 09, 1992.


PI 563517 to 563550.  Sorghum bicolor (L.) Moench  POACEAE  Sorghum

Donated by: Xiu Qing, I., Heilongjiang Acad. of Agric. Sciences, Harbin, Heilongjiang, China.  remarks: Received through China-United States Sorghum Germplasm Exchange Program. Quarantine inspection ref. BE 4243.  Received September 22, 1992.


PI 563517 to 563550-continued

PI 563527  donor id: 4426.  origin: China.  cultivar: HA
FERTILITY-RESTORING #5.  remarks: Fertility restorer. Ha

PI 563528  donor id: 4427.  origin: China.  cultivar: HA
FERTILITY-RESTORING #20.  remarks: Fertility restorer. Ha

PI 563529  donor id: 4438.  origin: China.  cultivar: SUI
FERTILITY-RESTORING #1.  remarks: Fertility restorer. Sui

PI 563530  donor id: 8567.  origin: China.  cultivar: HA
FERTILITY-RESTORING #3.  remarks: Fertility restorer. Ha

PI 563531  donor id: 8568.  origin: China.  cultivar: HA
FERTILITY-RESTORING #4.  remarks: Fertility restorer. Ha

PI 563532  donor id: 8569.  origin: China.  cultivar: HA
FERTILITY-RESTORING #9.  remarks: Fertility restorer. Ha

PI 563533  donor id: 8570.  origin: China.  cultivar: HA
FERTILITY-RESTORING #13.  remarks: Fertility restorer. Ha

PI 563534  donor id: 8571.  origin: China.  cultivar: HA
FERTILITY-RESTORING #15.  remarks: Fertility restorer. Ha

PI 563535  donor id: 8572.  origin: China.  cultivar: HA
FERTILITY-RESTORING #16.  remarks: Fertility restorer. Ha

PI 563536  donor id: 8573.  origin: China.  cultivar: HA
FERTILITY-RESTORING #17.  remarks: Fertility restorer. Ha

PI 563537  donor id: 8574.  origin: China.  cultivar: HA
FERTILITY-RESTORING #21.  remarks: Fertility restorer. Ha

PI 563538  donor id: 8575.  origin: China.  cultivar: HA
FERTILITY-RESTORING #23.  remarks: Fertility restorer. Ha

PI 563539  donor id: 8581.  origin: China.  cultivar: HA
FERTILITY-RESTORING #39.  remarks: Fertility restorer. Ha

367

PI 563551 to 563567. Sorghum bicolor (L.) Moench POACEAE Sorghum

**Donated by:** Liaoning Acad. of Agric. Sciences, Shenyang, Liaoning, China.  **remarks:** Received through China-United States Sorghum Germplasm Exchange Program. Quarantine inspection ref. BE 4243. Received September 22, 1992.
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</table>
PI 563568 to 563845. *Sorghum bicolor* (L.) Moench  

**POACEAE**  

*Sorghum*

Donated by: Liaoning Acad. of Agric. Sciences, Shenyang, Liaoning, China. **remarks:** Received through China-United States Sorghum Germplasm Exchange Program. Quarantine inspection ref. BE 4263. Received September 22, 1992.

PI 563568  
*donor id:* LV 1.  
Seed.

PI 563569  
*donor id:* LV 29.  
Seed.

PI 563570  
*donor id:* LV 30.  
Seed.

PI 563571  
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Seed.

PI 563572  
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Seed.

PI 563573  
*donor id:* LV 68.  
Seed.

PI 563574  
*donor id:* LV 73.  
Seed.

PI 563575  
*donor id:* LV 94.  
Seed.

PI 563576  
*donor id:* LV 129.  
Seed.

PI 563577  
*donor id:* LV 158.  
Seed.

PI 563578  
*donor id:* LV 166.  
Seed.

PI 563579  
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Seed.

PI 563580  
*donor id:* LV 290.  
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PI 563581  
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PI 563582  
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PI 563583  
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PI 563568 to 563845-continued

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371
PI 563568 to 563845-continued

PI 563568 to 563845-continued


PI 563568 to 563845-continued

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            Seed.
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            Seed.
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            Seed.
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            Seed.
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            Seed.
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PI 563568 to 563845-continued

PI 563568 to 563845-continued

PI 563568 to 563845-continued

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Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

Seed.

PI 563846 to 563855. Sorghum bicolor (L.) Moench  POACEAE  Sorghum

Donated by: Crop Germplasm Research Institute, Chinese Acad. of Agricultural Sciences, Beijing, China.  remarks: Received through the China-United States Sorghum Germplasm Exchange Program.  Quarantine inspection ref. BE 4243.  Received September 22, 1992.

PI 563846  origin: China.  cultivar: HONG GONG JI BENG.  Cultivar.  Seed.
PI 563847  origin: China.  cultivar: JING HUI ER HAO.  Cultivar.  Seed.
PI 563848  origin: China.  cultivar: LAO GUAN ZUO.  Cultivar.  Seed.
PI 563849  origin: China.  cultivar: MAI CAO ZI.  Cultivar.  Seed.
PI 563850  origin: China.  cultivar: PING LUO WA WA TOU.  Cultivar.  Seed.
PI 563851  origin: China.  cultivar: PING SHENG BAI.  Cultivar.  Seed.
PI 563852  origin: China.  cultivar: QIAN JIN BAI.  Cultivar.  Seed.
PI 563853  origin: China.  cultivar: QI SI WU.  Cultivar.  Seed.
PI 563854  origin: China.  cultivar: SAN SUI HONG KE AI GAO LIANG.  Cultivar.  Seed.
PI 563855  
*origin:* China.  
*cultivar:* XIAN MI GAO LIANG.  
*Seed.*

PI 563856. *Elymus lanceolatus* (Scribner & J. G. Smith) Gould subsp. *lanceolatus*  
**POACEAE**

*Donated by:* Jones, T.A., Agricultural Research Service -- USDA, Forage and Range Research Lab, Utah State University, Logan, Utah 84322-6300, United States. Received September 28, 1992.

*donor id:* Acc:530.  
*origin:* United States.  
*collected:* 1975.  
*collector:* Kay H. Asay.  
*other id:* W6 11002.  
*group:* W6.  
*locality:* Aberdeen, Bingham County.  
*Wild.*

PI 563857 to 563861. *Elymus wawawaiensis* J. Carlson & Barkworth  
**POACEAE**

*Donated by:* Jones, T.A., Agricultural Research Service -- USDA, Forage and Range Research Lab, Utah State University, Logan, Utah 84322-6300, United States. Received September 28, 1992.

PI 563857  
*origin:* United States.  
*collected:* August 05, 1980.  
*collector:* Kay H. Asay.  
*other id:* W6 11003.  
*group:* W6.  
*locality:* Old highway 95, 5 miles North of Lucile, Idaho County.  
*received as:* Elymus lanceolatus ssp. wawawaiensis.  
*Wild.*

PI 563858  
*donor id:* Acc:218.  
*origin:* United States.  
*collected:* August 06, 1980.  
*collector:* Kay H. Asay.  
*other id:* W6 11004.  
*group:* W6.  
*locality:* Wawawai Road, 10 miles Northwest of Colton, Whitman County.  
*received as:* Elymus lanceolatus ssp. wawawaiensis.  
*Wild.*

PI 563859  
*donor id:* Acc:221.  
*origin:* United States.  
*collected:* August 06, 1980.  
*collector:* Kay H. Asay.  
*other id:* W6 11005.  
*group:* W6.  
*locality:* Mileage marker 14, Wawawai Road overlooking Snake River, Whitman County.  
*received as:* Elymus lanceolatus ssp. wawawaiensis.  
*Wild.*

PI 563860  
*donor id:* Acc:225.  
*origin:* United States.  
*collected:* August 06, 1980.  
*collector:* Kay H. Asay.  
*other id:* W6 11006.  
*group:* W6.  
*locality:* Highway 127, 2 miles North of Central Ferry, Whitman County.  
*received as:* Elymus lanceolatus ssp. wawawaiensis.  
*Wild.*

PI 563862 to 563866. Leymus cinereus (Scribner & Merr.) A. Love POACEAE

Donated by: Jones, T.A., Agricultural Research Service -- USDA, Forage and Range Research Lab, Utah State University, Logan, Utah 84322-6300, United States. Received September 28, 1992.


PI 563867 to 563875. Pseudoroegneria spicata (Pursh) A. Love POACEAE

Donated by: Jones, T.A., Agricultural Research Service -- USDA, Forage and Range Research Lab, Utah State University, Logan, Utah 84322-6300, United States. Received September 28, 1992.


PI 563876. Glycine tomentella Hayata  FABACEAE

Donated by: Grace, J., CSIRO, Division of Plant Industry, GPO Box 1600, Canberra, ACT, Queensland 2601, Australia. Received October 09, 1992.


PI 563877 to 563879. Glycine tomentella Hayata  FABACEAE


PI 563880. Glycine tabacina (Labill.) Benth.  FABACEAE


PI 563881. Glycine tomentella Hayata  FABACEAE

Donated by: Lawn, R.J., CSIRO, Division of Plant Industry, GPO Box 1600, Canberra ACT, Queensland 2601, Australia. Received October 09, 1992.
PI 563881-continued


PI 563882 to 563887. Glycine cyrtoloba Tind. FABACEAE

Donated by: Brown, A.H.D., CSIRO, Division of Plant Industry, GPO Box 1600, Canberra ACT, Queensland 2601, Australia. Received October 09, 1992.


391

PI 563888 to 563891. Glycine tabacina (Labill.) Benth. FABACEAE Perennial soybean

Donated by: Brown, A.H.D., CSIRO, Division of Plant Industry, GPO Box 1600, Canberra ACT, Queensland 2601, Australia. Received October 09, 1992.


PI 563892 to 563903. Glycine tomentella Hayata FABACEAE

Donated by: Brown, A.H.D., CSIRO, Division of Plant Industry, GPO Box 1600, Canberra ACT, Queensland 2601, Australia. Received October 09, 1992.


PI 563898  donor id: G 2312.  
origin: Australia.  
collected: August 12, 1985.  
collector: Grace, Brown, Doyle, Kenworthy. 
collector id: 644/3.  other id: IL 1199.  
source: University of Illinois, Urbana Illinois.  
locality: Baffle Creek, 32km N of Injune.  
latitude: 25 deg. 35 min. S.  
longitude: 148 deg. 42 min. E.  
elevation: 450m.  
Perennial.  
Cultivated.  
Seed.

PI 563899  donor id: G 2321.  
origin: Australia.  
collector: Grace, Brown, Doyle, Kenworthy. 
collector id: 670.  other id: IL 1208.  
source: University of Illinois, Urbana Illinois.  
locality: Medway Creek, 95km W of Emerald.  
latitude: 23 deg. 39 min. S.  
longitude: 147 deg. 17 min. E.  
elevation: 350m.  
Perennial.  
Cultivated.  
Seed.

PI 563900  donor id: G 2327.  
origin: Australia.  
collector: Grace, Brown, Doyle, Kenworthy. 
collector id: 677/1.  other id: IL 1214.  
source: University of Illinois, Urbana Illinois.  
locality: Evora Creek, 33km S of Barcaldine.  
latitude: 23 deg. 47 min. S.  
longitude: 145 deg. 22 min. E.  
elevation: 300m.  
Perennial.  
Cultivated.  
Seed.

PI 563901  donor id: G 2329.  
origin: Australia.  
collected: August 16, 1985.  
collector: Grace, Brown, Doyle, Kenworthy. 
collector id: 680/1.  other id: IL 1216.  
source: University of Illinois, Urbana Illinois.  
locality: Barcaldine Airport, 3km E of Barcaldine.  
latitude: 23 deg. 33 min. S.  
longitude: 145 deg. 19 min. E.  
elevation: 290m.  
Perennial.  
Cultivated.  
Seed.

PI 563902  donor id: G 1156.  
origin: Australia.  
collected: March 1976.  
collector: A. Christie.  other id: IL 1225.  
source: University of Illinois, Urbana Illinois.  
locality: Charleville Nursery, Charleville.  
latitude: 26 deg. 24 min. S.  
longitude: 146 deg. 15 min. E.  
Perennial.  
Cultivated.  
Seed.

PI 563903  donor id: G 1157.  
origin: Australia.  
collector: D. Ivory.  other id: IL 1226.  
source: University of Illinois, Urbana Illinois.  
locality: Morocco Station, Surat.  
latitude: 27 deg. 09 min. S.  
longitude: 149 deg. 04 min. E.  
Perennial.  
Cultivated.  
Seed.

PI 563904 to 564023.  
Sorghum bicolor (L.) Moench  
POACEAE  
Sorghum

Donated by:  
Schertz, K.F., Agricultural Research Service -- USDA,  
Soil & Crop Sciences, Texas A&M University, College Station, Texas  
77843, United States.  
Received October 27, 1992.


PI 563904 to 564023-continued


PI 563933  donor id: 207.  origin: China.  origin institute id: IS 29650.  cultivar: J-1 2731 B.  Cultivated.  Seed.


PI 564024 to 564026. Solanum fendleri A. Gray SOLANACEAE


* PI 564024  Solanum fendleri A. Gray subsp. fendleri SOLANACEAE
Solanum fendleri A. Gray subsp. fendleri SOLANACEAE
donor id: SBV 03. origin: United States. collected:
August 07, 1992. collector: A. Salas, J. Bamberg, S.
Vega. collector id: SBV 03. locality: Rich leaf mulch
in stream bottoms, about 0.2 miles from visitor center.
About 1 mile SW of Sierra Vista Estates in Ramsey Canyon
(private property), Cochise County. latitude: 31 deg. 26
min. longitude: 110 deg. 19 min. elevation: 1900m.
remarks: Plants few, very small. Wild. Plant.

Solanum fendleri A. Gray subsp. fendleri SOLANACEAE
donor id: SBV 04. origin: United States. collected:
August 08, 1992. collector: A. Salas, J. Bamberg, S.
Vega. collector id: SBV 04. locality: In pine mulch
under ponderosa pines. On roadside near Pinery
Campground, on road from NW park entrance to Barefoot
Park. Coronado National Forest, Cochise County.
latitude: 31 deg. 56 min. longitude: 109 deg. 16 min.
elevation: 2120m. remarks: Plants very small, up to 3
cm. No tubers present. Wild. Plant.

Solanum fendleri A. Gray subsp. fendleri SOLANACEAE
donor id: SBV 05. origin: United States. collected:
August 08, 1992. collector: A. Salas, J. Bamberg, S.
Vega. collector id: SBV 05. locality: At base of one
ponderosa pine, in damp pine needle mulch. About 15 miles
from NW park entrance in Barefoot Park, about 30m SW of
Boyscout Camp Victoria buildings. Coronado National
Forest, Cochise County. latitude: 31 deg. 54 min.
longitude: 109 deg. 16 min. elevation: 2480m. remarks:
Rare. One plant growing directly from cattle manure.
Seedlings small, 3-5cm tall. Wild. Plant.

Solanum fendleri A. Gray subsp. fendleri SOLANACEAE
donor id: SBV 06. origin: United States. collected:
August 08, 1992. collector: A. Salas, J. Bamberg, S.
Vega. collector id: SBV 06. locality: Very damp organic
soil. Within circle drive loop of campground, especially
just to S, at base of mountain. Rustler Park, about 15.5
miles from NW entrance of Coronado National Forest,
Cochise County. latitude: 31 deg. 53 min. longitude:
109 deg. 16 min. elevation: 2580m. remarks: Very large
population, especially abundant near rotting logs. Most
less than 5cm tall, only a few flowering. Wild. Plant.
PI 564029 Solanum fendleri A. Gray subsp. fendleri SOLANACEAE
donor id: SBV 07. origin: United States. collected:August 09, 1992. collector: A. Salas, J. Bamberg, S. Vega. collector id: SBV 07. locality: Sandy soil under fallen pines, along bank of wash, about 150m up from second metal trail marker. On Rt. 70 from Las Cruces to Alamagordo, near town of Organ in Organ Mts. Trail at S end of Aquirre Campground. Dona Anna County. latitude: 32 deg. 22 min.. longitude: 106 deg. 33 min.. elevation: 1850m. remarks: Plants small, up to 5cm. Rare. Wild. Plant.

PI 564030 Solanum fendleri A. Gray subsp. fendleri SOLANACEAE

PI 564031 Solanum fendleri A. Gray subsp. fendleri SOLANACEAE

PI 564032 Solanum fendleri A. Gray subsp. fendleri SOLANACEAE
Solanum fendleri A. Gray subsp. fendleri SOLANACEAE

* PI 564033  
  donor id: SBV 11.  
  origin: United States.  
  collected: August 09, 1992.  
  collector: A. Salas, J. Bamberg, S. Vega.  
  locality: In rich pine needle mulch, at base of one large pine, Apach Canyon Road, Sleepy Grass Campground. Lincoln National Forest near Cloudcroft, Otero County.  
  latitude: 32 deg. 56 min.  
  longitude: 105 deg. 43 min.  
  elevation: 2680m.  
  remarks: Thick clumps of small seedlings and tuberlings. Wild. Plant.

* PI 564034  
  donor id: SBV 12.  
  origin: United States.  
  collected: August 09, 1992.  
  collector: A. Salas, J. Bamberg, S. Vega.  
  locality: Rich soil, only at base of trees. Gravel road to Sixteen Springs Canyon to cemetery (about 6.2 miles). 8 miles N of Cloudcroft on Hwy 82. Cloudcroft vicinity, Otero County.  
  latitude: 32 deg. 59 min.  
  longitude: 105 deg. 34 min.  
  elevation: 2350m.  
  remarks: Plants 2-5 cm, mostly tuberlings. Wild. Plant.

* PI 564035  
  origin: United States.  
  collector: A. Salas, J. Bamberg, S. Vega.  
  locality: In rich pine needle mulch around fallen logs. Near James Ridge lookout tower, near campsite on N side of road. 8 miles N of Cloudcroft on Hwy 82, road to Sixteen Springs Canyon. Cloudcroft vicinity, Otero County.  
  latitude: 32 deg. 57 min.  
  longitude: 105 deg. 35 min.  
  elevation: 2540m.  
  remarks: Plants small, some mostly from tubers. Wild. Plant.

* PI 564036  
  donor id: SBV 14.  
  origin: United States.  
  collector: A. Salas, J. Bamberg, S. Vega.  
  locality: In nearly pure gravel shoulder on S side of road, about 1.1 miles below parking pulloff at curve. 8 miles N of Cloudcroft on Hwy 82, gravel road to Sixteen Springs canyon. Cloudcroft vicinity, Otero County.  
  latitude: 32 deg. 57 min.  
  longitude: 105 deg. 37 min.  
  elevation: 2400m.  
  remarks: Plants 2-50cm with flowers, large tubers, one almost mature fruit and large tubers. Wild. Seed.
Solanum fendleri A. Gray subsp. fendleri SOLANACEAE

Solanum fendleri A. Gray subsp. fendleri SOLANACEAE

Solanum fendleri A. Gray subsp. fendleri SOLANACEAE
* PI 564039 donor id: SBV 18. origin: United States. collected: August 11, 1992. collector: A. Salas, J. Bamberg, S. Vega. locality: In rocky but otherwise rich soil. About 1.6 miles E of Mogollon, along road in gravel shoulder, especially in areas disturbed by mud slides on upper side of road. Catron County. latitude: 33 deg. 23 min.. longitude: 108 deg. 46 min.. elevation: 2100m. remarks: Plants up to 50 cm, flowering, with some mature berries. Seedlings and tuberlings. Wild. Seed.

Solanum fendleri A. Gray subsp. fendleri SOLANACEAE
Solanum fendleri A. Gray subsp. fendleri SOLANACEAE

**donor id:** SBV 20. **origin:** United States. **collected:** August 12, 1992. **collector:** A. Salas, J. Bamberg, S. Vega. **collector id:** SBV 20. **locality:** Along roadside about 0.5 miles up primitive trail. Cox Canyon road about 15 miles to John Kerr lookout tower peak (tower has been removed). 12 miles NE of Reserve on Hwy 12 to town of Apache Creek. Reserve vicinity. Catron County. **latitude:** 33 deg. 48 min.. **longitude:** 108 deg. 28 min.. **elevation:** 2500m. **remarks:** Nestled in between large rocks along upper side of trail. Rare, but plants only up to 3cm. Wild. Plant.

**donor id:** SBV 23. **origin:** United States. **collected:** August 12, 1992. **collector:** A. Salas, J. Bamberg, S. Vega. **collector id:** SBV 23. **locality:** On W side of road under very large pines, especially in rotting fallen logs. Hwy 666, 1.2 miles NE of Greenlee Co. line, at pulloff. Alpine vicinity, Apache County. **latitude:** 33 deg. 47 min.. **longitude:** 109 deg. 09 min.. **elevation:** 2400m. **remarks:** Mostly small tuberlings, but one plant flowering, and some seedlings. Wild. Plant.

**donor id:** SBV 25. **origin:** United States. **collected:** August 12, 1992. **collector:** A. Salas, J. Bamberg, S. Vega. **collector id:** SBV 25. **locality:** Sandy dry soil, on lower side of road under trees. 2 miles S on Rt. 666, 1 mile E on road 275. Near Nelson Reservoir. Apache County. **latitude:** 34 deg. 02 min.. **longitude:** 109 deg. 09 min.. **elevation:** 2350m. **remarks:** Only a few plants found under same tree as jamesii (SBV 24). Wild. Plant.

**donor id:** SBV 30. **origin:** United States. **collected:** August 13, 1992. **collector:** A. Salas, J. Bamberg, S. Vega. **collector id:** SBV 30. **locality:** Under pines. Between 31 and 32 mile markers, S of Quemado on Hwy 32. Quemado vicinity, Catron County. **latitude:** 34 deg. 13 min.. **longitude:** 108 deg. 33 min.. **elevation:** 2120m. **remarks:** On small, 5cm tall tuberling, under same pine as jamesii (SBV 29). Wild. Plant.
* PI 564045  Solanum fendleri A. Gray subsp. fendleri  SOLANACEAE
donor id: SBV 32.  origin: United States.  collected:  
collector id: SBV 32.  locality: In rich soil closely associated with grasses. Plants found around stones in picnic/camping area at summit. Hwy 57, about 9 miles N of Ruidoso leading to Montjeau lookout. Ruidoso vicinity, Lincoln County.  
latitude: 33 deg. 26 min.  longitude: 105 deg. 43 min.  elevation: 3200m.  remarks:  Plants small, only a few flowering. Most plants apparently tuberlings. Numbered out of sequence.  Wild. Plant.

* PI 564046  Solanum fendleri A. Gray subsp. fendleri  SOLANACEAE
donor id: SBV 33.  origin: United States.  collected:  
August 08, 1992.  collector: A. Salas, J. Bamberg, S. Vega.  
collector id: SBV 33.  locality: Under trees and in creek bed. About 2 miles down trail, or about 300m into ponderosa pine bottoms. On natural bridge/Picket Park trail. Chiricahua National Monument, Cochise County.  
latitude: 32 deg. 01 min.  longitude: 109 deg. 21 min.  elevation: 1780m.  remarks:  Observed and photographed only. Tubers collected and sent later by Dr. Adam Richman. Numbered out of sequence.  Wild. Tuber.

PI 564047 to 564057.  Solanum jamesii Torrey  SOLANACEAE

Donated by: Bamberg, J., Inter-Regional Potato Intro. Sta.,  
USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin  
54235, United States.  Received October 22, 1992.

PI 564047  donor id: SBV 02.  origin: United States.  collected:  
collector id: SBV 02.  locality: Organic mulch, around rocks. About 1/8 mile up path, follow barbed wire fence W to where it intersects with wash. Gravel road to Wakefield mine, about 3.8 miles past summit. Huachuca Mts., NW of Coronado National Memorial, Cochise County.  
latitude: 31 deg. 23 min.  longitude: 110 deg. 21 min.  elevation: 1850m.  remarks:  Plant very abundant, 3-20cm. Only one flowering.  Wild. Plant.


PI 564058. Beta hybrid CHENOPODIACEAE


PI 564059 to 564061. Beta patellaris Moq. CHENOPODIACEAE


PI 564062 to 564063. Beta procumbens C. Smith  CHENOPODIACEAE


PI 564064. Beta webbiana Moq.  CHENOPODIACEAE


PI 564065 to 564066. Nicotiana tabacum L.  SOLANACEAE  Tobacco


PI 564065 origin: United States. developed: P.D. Legg. origin institute: Kentucky Agr. Exp. Sta., University of Kentucky, West Kentucky Research & Education Ctr., Princeton, Kentucky 42445 United States. cultivar: LN KY 171. pedigree: LA Burley 21/KY 171 followed by 5 backcrosses to KY 171 and 2 selfed generations. other id: GP-46. group: CSR-TOBACCO. restricted: CSR. remarks: Agronomically comparable to KY 171. Based on 3 years of testing, has 17 leaves per plant, height of 72cm, midstalk leaf length 83cm, width 36cm, and a cured-leaf yield of 247g per plant. Nicotine level in percent of dry weight 0.42 compared to 4.70 for KY 171. Spring Annual. Breeding Material. Seed.
PI 564066 origin: United States. developed: P.D. Legg. origin institute: Kentucky Agr. Exp. Sta., University of Kentucky, West Kentucky Research & Education Ctr., Princeton, Kentucky 42445 United States. cultivar: LN KY 160. pedigree: LA Burley 21/KY 160 followed by 5 backcrosses to KY 160 and 2 selfed generations. other id: GP-47. group: CSR-TOBACCO. restricted: CSR. remarks: Agronomically comparable to KY 160. Based on 3 years of testing, has 15 leaves per plant, height of 77 cm, midstalk leaf length 76 cm, width 37 cm, and a cured-leaf yield of 228 g per plant. Nicotine level in percent of dry weight 0.41 compared to 4.30 for KY 160. Spring Annual. Breeding Material. Seed.

PI 564067 to 564068. Nicotiana tabacum L. SOLANACEAE Tobacco


PI 564069. Setaria sp. POACEAE

**Donated by:** Dept. of Botany, University of Nairobi, Nairobi, Kenya. Received September 1992.

**origin:** Kenya. **other id:** Q 22218. **locality:** Ngong hills. **remarks:** Originally received as plants. Wild. Seed.

PI 564070. Setaria sphacelata (Schum.) M. B. Moss POACEAE

**Donated by:** Dept. of Botany, University of Nairobi, Nairobi, Kenya. Received September 1992.

**origin:** Kenya. **other id:** Q 21736. **locality:** Mara. **remarks:** Originally received as plants. Wild. Seed.

PI 564071. Capsicum annuum L. SOLANACEAE Pepper

**Donated by:** Rogers NK Seed Company, United States. Received November 10, 1992.

**origin:** United States. **origin institute:** Rogers NK Seed Company United States. **cultivar:** 434. **other id:** PVP 9200277. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564072. Triticum aestivum L., nom. cons. POACEAE Common wheat

**Donated by:** FFR Cooperative, United States. Received November 10, 1992.

**origin:** United States. **origin institute:** FFR Cooperative United States. **cultivar:** FFR 525W. **other id:** PVP 9200278. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564073. X Triticosecale sp. POACEAE Triticale

**Donated by:** Agrecol Corporation, United States. Received November 10, 1992.

**origin:** United States. **origin institute:** Agrecol Corporation United States. **cultivar:** ENDURO. **other id:** PVP 9200279. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.
PI 564074. Apium graveolens L. APIACEAE Celery

**Donated by:** Petoseed Company, Inc., United States. Received November 10, 1992.

**origin:** United States. **origin institute:** Petoseed Company, Inc. United States. **cultivar:** PS 28588. **other id:** PVP 9300001. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564075. Phaseolus vulgaris L. FABACEAE Garden bean

**Donated by:** Del Monte Corporation, United States. Received November 10, 1992.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 04-01. **other id:** PVP 9300002. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564076. Cucumis melo L. CUCURBITACEAE Muskmelon

**Donated by:** Hollar Seeds, Inc., United States. Received November 10, 1992.

**origin:** United States. **origin institute:** Hollar Seeds, Incorporated United States. **cultivar:** SWEET DELIGHT. **other id:** PVP 9300003. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564077. Pisum sativum L. FABACEAE Garden pea

**Donated by:** Del Monte Corporation, United States. Received November 10, 1992.

**origin:** United States. **origin institute:** Del Monte Corporation United States. **cultivar:** DMC 50-02. **other id:** PVP 9300004. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564078. Catharanthus roseus (L.) G. Don APOCYNACEAE Vinca

**Donated by:** John Bodger & Sons Company, United States. Received November 10, 1992.

**origin:** United States. **origin institute:** John Bodger & Sons Company United States. **cultivar:** PT358. **other id:** PVP 9300005. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.
PI 564079. Catharanthus roseus (L.) G. Don APOCYNACEAE Vinca

Donated by: John Bodger & Sons Company, United States. Received November 10, 1992.


PI 564080. Catharanthus roseus (L.) G. Don APOCYNACEAE Vinca

Donated by: John Bodger & Sons Company, United States. Received November 10, 1992.


PI 564081. Catharanthus roseus (L.) G. Don APOCYNACEAE Vinca

Donated by: John Bodger & Sons Company, United States. Received November 10, 1992.


PI 564082. Glycine max (L.) Merr. FABACEAE Soybean


PI 564083. Triticum aestivum L., nom. cons. POACEAE Common wheat


PI 564084. Agrostis stolonifera L. POACEAE Creeping bentgrass

Donated by: Barenbrug USA - Marketing Division, United States. Received November 10, 1992.


PI 564085. Sorghum x drummondii (Nees ex Steudel) Millsp. & Chase POACEAE Sudangrass


PI 564086. Lactuca sativa L. ASTERACEAE Lettuce


PI 564087. Triticum aestivum L., nom. cons. POACEAE Common wheat


PI 564088. Stylosanthes hamata (L.) Taubert FABACEAE Caribbean stylo

Donated by: Quesenberry, K.H., University of Florida, Dept. of Agronomy, 2183 McCarty Hall, Gainesville, Florida 32611, United States. Received November 05, 1992.
PI 564088-continued


PI 564089 to 564094. Lycopersicon esculentum Miller, nom. cons. SOLANACEAE Tomato


PI 564089 origin: United States. cultivar: MO. 399. pedigree: Tucker's Forcing/Crack-proof Pink. other id: Mo. IV-313-3. other id: Mo. II-358-2. other id: Mo. 379. remarks: Fruits pink, 5-6oz, smooth flattened globes with five or more locules and tough skin that reduces fruit bursting at harvest. Carries the Bay State Forcing resistance to common races of Cladosporium fulvum and low resistance to Fusarium oxysporum f. lycopersici. Perennial grown as annual. Breeding Material. Seed.

PI 564090 origin: United States. cultivar: MO. 417. pedigree: F9 selection of Mo. Line 211/Ohio WR3. remarks: Plants indeterminate for either greenhouse or field culture. Fruits pink, 6-7oz, smooth flattened globes with five or more locules and good internal structure. Fruit quality attributes: Brix 4.49%, pH 4.32, titratable acidity 0.3875% CAE (citric acid equivalent). Carries the Bay State Forcing resistance to common races of Cladosporium fulvum and field immunity to Fusarium oxysporum f. lycopersici. Perennial grown as annual. Breeding Material. Seed.


PI 564095 to 564097.  Ipomoea batatas (L.) Lam. var. batatas  CONVOLVULACEAE

Donated by: Delgado, Guillermo, Universidad Nacional Pedro Ruiz Gallo, 8 De Octubra No. 637, Lambayeque, Peru. Received September 05, 1985.
PI 564095 to 564097-continued

PI 564095  origin: Peru. other id: C 16679. other id: 7. other id: Q 25707. Tissue Culture.

PI 564096  origin: Peru. other id: C 16679. other id: 8. other id: Q 25708. Tissue Culture.

PI 564097  origin: Peru. other id: C 16679. other id: 11. other id: Q 25709. Tissue Culture.

PI 564098 to 564114. Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE

Donated by: Delgado, Guillermo, Universidad Nacional Pedro Ruiz Gallo, 8 De Octubra No. 637, Lambayeque, Peru. Received September 05, 1985.

PI 564098  origin: Peru. other id: C 16679. other id: 15. other id: Q 25711. Tissue Culture.

PI 564099  origin: Peru. other id: C 16679. other id: 32. other id: Q 25714. Tissue Culture.

PI 564100  origin: Peru. other id: C 16679. other id: 42. other id: Q 25717. Tissue Culture.

PI 564101  origin: Peru. other id: C 16679. other id: 43. other id: Q 25718. Tissue Culture.

PI 564102  origin: Peru. other id: C 16679. other id: 51. other id: Q 25719. Tissue Culture.

PI 564103  origin: Peru. other id: C 16679. other id: 52. other id: Q 25720. Tissue Culture.

PI 564104  origin: Peru. other id: C 16679. other id: 55. other id: Q 25721. Tissue Culture.

PI 564105  origin: Peru. other id: C 16679. other id: 58. other id: Q 25722. Tissue Culture.

PI 564106  origin: Peru. other id: C 16679. other id: 61. other id: Q 25723. Tissue Culture.

PI 564107  origin: Peru. other id: C 16679. other id: 64. other id: Q 25724. Tissue Culture.

PI 564108  origin: Peru. other id: C 16679. other id: 66. other id: Q 25725. Tissue Culture.

PI 564109  origin: Peru. other id: C 16679. other id: 72. other id: Q 25726. Tissue Culture.
PI 564110  origin: Peru.  other id: C 16679.  other id: 83.  other id: Q 25727.  Tissue Culture.

PI 564111  origin: Peru.  other id: C 16679.  other id: 91.  other id: Q 25729.  Tissue Culture.

PI 564112  origin: Peru.  other id: C 16679.  other id: 100.  other id: Q 25733.  Tissue Culture.

PI 564113  origin: Peru.  other id: C 16679.  other id: 102.  other id: Q 25734.  Tissue Culture.

PI 564114  origin: Peru.  other id: C 16679.  other id: 111.  other id: Q 25736.  Tissue Culture.

PI 564115. Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE

Donated by: Delgado, Guillermo, Universidad Nacional Pedro Ruiz Gallo, 8 De Octubra No. 637, Lambayeque, Peru. Received September 05, 1985.

  origin: Peru.  other id: C 16679.  other id: 138.  other id: Q 25752.  Tissue Culture.

PI 564116. Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato

Donated by: AVRDC, P.O. Box 42, Shanhua, Tainan 74199, Taiwan. Received June 30, 1988.

  donor id: CN 1108-13.  origin: Taiwan.  other id: BE-1871.  other id: C20989.  other id: Q 27153.  Tuber.

PI 564117 to 564120. Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato

Donated by: Tay, D., Genetic Resources Unit, AVRDC, P.O. Box 42, Tainan 74149, Taiwan. Received May 10, 1989.

PI 564118  donor id: CN 1219-1.  origin: Taiwan.  other id: BE-2335.  

PI 564119  donor id: CN 1232-9.  origin: Taiwan.  other id: BE-2335.  

PI 564120  donor id: CN 1510-25.  origin: Taiwan.  other id: BE-2335.  

PI 564121. Ipomoea batatas (L.) Lam. var. batatas  CONVOLVULACEAE  
Sweet potato  
Donated by: Ng, S.Y.C., International Inst. of Tropical Agric., Oyo Road, PMB 5320, Ibadan, Nigeria. Received May 22, 1989.  
origin: Nigeria.  cultivar: TIB11.  other id: BE-2356.  

PI 564122 to 564160. Ipomoea batatas (L.) Lam. var. batatas  CONVOLVULACEAE  Sweet potato  
Donated by: Kellock, L.; Beetham, P., Jose F. M., Plant Research Institute, Dept. of Agric. and Rural Affairs, Burnley Gardens, Swan Street, Burnley, Victoria 3121, Australia. Received March 07, 1990.


PI 564154  donor id: 93.  origin: Papua New Guinea.  cultivar: KEANJA.  other id: KEANGO.  source: D. LaBonte.  Mis-spelled cultivar name..  other id: Q 28013.  remarks: Cv. name originally recorded as KEANGO. Changed to KEANJA based on memo LaBonte to Hurtt 09/91.  Cultivar.  Tissue Culture.


PI 564122 to 564160-continued

other id: Q 28016.  Cultivar.  Tissue Culture.

other id: Q 28017.  Cultivar.  Tissue Culture.

other id: Q 28018.  Cultivar.  Tissue Culture.

PI 564160  donor id: 125.  origin: Australia.  cultivar: RED 
ABUNDANCE.  other id: Q 28019.  Cultivar.  Tissue 
Culture.

PI 564161 to 564162. Ipomoea batatas (L.) Lam. var. batatas  
CONVOLVULACEAE

Donated by: Martin, F., USDA-ARS Tropical Research Station, P.O. Box 70, Mayaguez 00709, Puerto Rico. Received October 22, 1987.

PI 564161  origin: Puerto Rico.  cultivar: MARGARITA.  other id:  
SPV-70 Subclone 2.  other id: SPV70-.  other id: Q 29439.  
Annual.  Cultivar.  Tuber.

PI 564162  origin: Puerto Rico.  cultivar: MARGARITA.  other id:  
SPV-70 Subclone 5.  other id: SPV70-.  other id: Q 29440.  
Annual.  Cultivar.  Tuber.

PI 564163. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Texas Agr. Exp. Sta., College Station, Texas 77843, United States. Received 1977.

Seed.

PI 564164 to 564165. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Miller, F.R., Texas Agr. Exp. Sta., College Station, Texas 77843, United States. Received 1984.
PI 564164

origin: United States.  
cultivar: RTX433.  
pedigree: Derived from (Tx414 crossed with SC0108-6-6-2-E2)-15-1-2-1-1-X-X.  
First 6 of the foregoing is underlined. 2 (in "E2") is a subscript. 2 (in "E2") represents two generations of selfing.  
other id: PL-141.  
group: CSR-SORGHUM.  
Can develop physiological black/purple spot on leaves. High yield. Cultivated.  
Breeding Material. Seed.

PI 564165

origin: United States.  
cultivar: RTX434.  
pedigree: Derived from (Tx414 crossed with SC0108-6-6-2-E2)-15-2- 
3-6-3-6-1-X-X.  
First 6 of the foregoing is underlined. 2 (in "E2") is a subscript. 2 (in "E2") represents two generations of selfing.  
other id: PL-142.  
group: CSR-SORGHUM.  

PI 564166. Medicago sativa L. FABACEAE Alfalfa

Donated by: Sorensen, E.L., Agricultural Research Service - USDA, Kansas State University, Agronomy Dept., Manhattan, Kansas 66506, United States; and Kansas Agr. Exp. Sta..  
remarks: KS 221 Alfalfa Germplasm. Received November 19, 1992.
PI 564166-continued


PI 564167. Medicago sativa L. FABACEAE Alfalfa


PI 564168. Panicum coloratum L. POACEAE Kleingrass

Donated by: Young, B., Agricultural Research Service – USDA, Grassland, Soil and Water Res. Lab, 808 E. Blackland Road, Temple, Texas 76502, United States. Received November 19, 1992.
PI 564168-continued

**origin**: United States. **cultivar**: TEM-SR1. **pedigree**: Open-pollinated seed of PI 410177. Two cycles of recurrent sel. (cycle 1-visual, cycle 2-quantitative method that mechanically shakes culms). **remarks**: Selected specifically for resist. to seed shattering. Ave. seed mass of hand-harvested mature seed 0.996mg/seed. Compared to Selection-75, retains over twice the number of seed per inflorescence at 35 days after flowering, anthesis occurs 2-3 days later, produces more seed per inflorescence, leaves wider and stems greater in diameter. Yielded significantly less and more upright growth habit than Sel-75 and Verde. Perennial. Breeding Material. Seed.

PI 564169 to 564172. *Lycopersicon esculentum* Miller, nom. cons.

**SOLANACEAE** Tomato

**Donated by**: Peirce, L.C., University of New Hampshire, Dept. of Plant Biology, Nesmith Hall, Durham, New Hampshire 03824, United States. Received November 19, 1992.

PI 564170 origin: United States. developed: L.C. Peirce, M.L. Crispi, H.G. Miller. origin institute: University of New Hampshire, Dept. of Plant Biology, Nesmith Hall, Durham, New Hampshire 03824 United States. cultivar: GOLD DUST. pedigree: Includes some of the same parentage as Superb Hybrid but is open pollinated type in which the tangerine gene was obtained from Orange Queen and Golden Delicious. remarks: Many fruit produced on small vine. Plant habit open and very compact size makes it equally suitable for high density field production or for container culture in urban sites. Fruit globe-shaped, very firm, moderate size, with as many as 10-11 fruit ripening on single plant at one time. Little or no cracking or blotchy ripening, no lobing, and blossom scar small under normal conditions. Unripe color uniform, ripening to deep orange. Interior also deep orange, uniform. Inner and outer walls meaty. Core size slightly smaller than average. Resistant to verticillium wilt. Annual. Cultivar. Seed.


PI 564173 to 564178. Aegilops biuncialis Vis. POACEAE

Donated by: Kimber, G., University of Missouri, Dept. of Agronomy, 205 Curtis Hall, Columbia, Missouri 65211, United States. Received October 01, 1992.

PI 564173 origin: Turkey. collected: July 1984. collector: M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri. collector id: 84TK211-001. locality: Troy; near Trojan Horse and ruins to west. elevation: 25m. received as: Triticum macrochaetum. Wild. Seed.

430
PI 564174  
collector id: 84TK212-005.  locality: Tusun Motel, Gizelyali village; about 15 km south of Canakkale.  
elevation: 25m.  received as: Triticum macrochaetum. Wild. Seed.

PI 564175  
collector id: 84TK213-004.  locality: 7 km northeast of Canakkale, enroute to Lapseki.  elevation: 80m.  received as: Triticum macrochaetum. Wild. Seed.

PI 564176  
collector id: 84TK230-004.  locality: 11 km northwest of Karacabey.  elevation: 20m.  received as: Triticum macrochaetum. Wild. Seed.

PI 564177  
collector id: 84TK232-004.  locality: 1 km southwest of Zeytinbagi.  elevation: 50m.  received as: Triticum macrochaetum. Wild. Seed.

PI 564178  
collector id: 84TK233-001.  locality: at pier in Zeytinbagi.  elevation: 2m.  received as: Triticum macrochaetum. Wild. Seed.

PI 564179 to 564182. Aegilops columnaris Zhuk. POACEAE

Donated by: Kimber, G., University of Missouri, Dept. of Agronomy, 205 Curtis Hall, Columbia, Missouri 65211, United States. Received October 01, 1992.

PI 564179  
collector id: 84TK038-103.  locality: 23 km southeast of Manavgat, near Okucalar village.  elevation: 50m.  received as: Triticum columnare. Wild. Seed.
PI 564179 to 564182-continued


PI 564183 to 564193.  Aegilops geniculata Roth  POACEAE

Donated by: Kimber, G., University of Missouri, Dept. of Agronomy, 205 Curtis Hall, Columbia, Missouri 65211, United States. Received October 01, 1992.


<table>
<thead>
<tr>
<th>PI</th>
<th>Origin</th>
<th>Collected:</th>
<th>Collector:</th>
<th>Collector ID</th>
<th>Locality</th>
<th>Elevation</th>
<th>Received as</th>
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<tbody>
<tr>
<td>PI 564186</td>
<td>Turkey</td>
<td>July 1984</td>
<td>M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.</td>
<td>84TK215-004</td>
<td>3 km southwest of Lapseki.</td>
<td>10 m</td>
<td>Triticum ovatum. Wild. Seed.</td>
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<tr>
<td>PI 564187</td>
<td>Turkey</td>
<td>July 1984</td>
<td>M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.</td>
<td>84TK226-002</td>
<td>12 km southeast of Bandirma, just north of junction.</td>
<td>30 m</td>
<td>Triticum ovatum. Wild. Seed.</td>
</tr>
<tr>
<td>PI 564188</td>
<td>Turkey</td>
<td>July 1984</td>
<td>M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.</td>
<td>84TK228-002</td>
<td>3 km east of Erdek.</td>
<td>15 m</td>
<td>Triticum ovatum. Wild. Seed.</td>
</tr>
<tr>
<td>PI 564189</td>
<td>Turkey</td>
<td>July 1984</td>
<td>M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.</td>
<td>84TK228-004</td>
<td>3 km east of Erdek.</td>
<td>15 m</td>
<td>Triticum ovatum. Wild. Seed.</td>
</tr>
<tr>
<td>PI 564191</td>
<td>Turkey</td>
<td>July 1984</td>
<td>M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.</td>
<td>84TK232-005</td>
<td>1 km southwest of Zeytinbagi.</td>
<td>50 m</td>
<td>Triticum ovatum. Wild. Seed.</td>
</tr>
</tbody>
</table>
PI 564193  
**origin:** Turkey. **collected:** July 1984. **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri. **collector id:** 84TK235-003. **locality:** 8 km east of Mudanya. **elevation:** 70m. **received as:** Triticum ovatum. Wild. Seed.

PI 564194 to 564198. Aegilops markgrafii (Greuter) K. Hammer POACEAE

**Donated by:** Kimber, G., University of Missouri, Dept. of Agronomy, 205 Curtis Hall, Columbia, Missouri 65211, United States. Received October 01, 1992.

PI 564194  
**origin:** Turkey. **collected:** July 1984. **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri. **collector id:** 84TK209-006. **locality:** 9 km southeast of Ayvacik. **elevation:** 420m. **received as:** Triticum dichasians. Wild. Seed.

PI 564195  
**origin:** Turkey. **collected:** July 1984. **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri. **collector id:** 84TK212-007. **locality:** Tusun Motel, Gizelyali village; about 15 km south of Canakkale. **elevation:** 25m. **received as:** Triticum dichasians. Wild. Seed.

PI 564196  
**origin:** Turkey. **collected:** July 1984. **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri. **collector id:** 84TK213-005. **locality:** 7 km northeast of Canakkale, enroute to Lapseki. **elevation:** 80m. **received as:** Triticum dichasians. Wild. Seed.

PI 564197  
**origin:** Turkey. **collected:** July 1984. **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri. **collector id:** 84TK214-004. **locality:** 15 km northeast of Canakkale enroute to Lapseki; west edge of Yapiadlik village. **elevation:** 70m. **received as:** Triticum dichasians. Wild. Seed.

PI 564198  
**origin:** Turkey. **collected:** July 1984. **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri. **collector id:** 84Tk215-002. **locality:** 3 km southwest of Lapseki. **elevation:** 10m. **received as:** Triticum dichasians. Wild. Seed.

434
PI 564199 to 564218. Aegilops neglecta Req. ex Bertol. POACEAE

Donated by: Kimber, G., University of Missouri, Dept. of Agronomy, 205 Curtis Hall, Columbia, Missouri 65211, United States. Received October 01, 1992.


PI 564212  
origin: Turkey.  
collected: July 1984.  
collector id: 84TK228-007.  
locality: 3 km east of Erdek.  
elevation: 15m.  
received as: Triticum triaristatum.  
Wild. Seed.

PI 564213  
origin: Turkey.  
collected: July 1984.  
collector id: 84TK231-003.  
locality: 8 km north of Bursa junction enroute to Zeytinbagi.  
elevation: 20m.  
received as: Triticum triaristatum. Wild. Seed.

PI 564214  
origin: Turkey.  
collected: July 1984.  
collector id: 84TK231-004.  
locality: 8 km north of Bursa junction enroute to Zeytinbagi.  
elevation: 20m.  
received as: Triticum triaristatum. Wild. Seed.

PI 564215  
origin: Turkey.  
collected: July 1984.  
collector id: 84TK232-002.  
locality: 1 km southwest of Zeytinbagi.  
elevation: 50m.  
received as: Triticum triaristatum. Wild. Seed.

PI 564216  
origin: Turkey.  
collected: July 1984.  
collector id: 84TK234-001.  
locality: west edge of Mudanya village.  
elevation: 50m.  
received as: Triticum neglecta. Wild. Seed.

PI 564217  
origin: Turkey.  
collected: July 1984.  
collector id: 84TK234-003.  
locality: west edge of Mudanya village.  
elevation: 50m.  
received as: Triticum triaristatum. Wild. Seed.

PI 564218  
origin: Turkey.  
collected: July 1984.  
collector id: 84TK236-005.  
locality: 1 km south of Gemlik.  
elevation: 60m.  
received as: Triticum triaristatum. Wild. Seed.
PI 564219 to 564233. Aegilops triuncialis L. POACEAE

Donated by: Kimber, G., University of Missouri, Dept. of Agronomy, 205 Curtis Hall, Columbia, Missouri 65211, United States. Received October 01, 1992.

PI 564219  
**origin:** Turkey.  **collected:** June 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; S. Jana, Univ. of Saskatchewan.  **collector id:** 84TK031-085.  **locality:** Perge, Roman ruins.  **elevation:** 10m.  **received as:** Triticum triunciale. Wild. Seed.

PI 564220  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  **collector id:** 84TK209-003.  **locality:** 9 km southeast of Ayvacik.  **elevation:** 420m.  **received as:** Triticum triunciale. Wild. Seed.

PI 564221  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  **collector id:** 84TK211-002.  **locality:** Troy; near Trojan Horse and ruins to west.  **elevation:** 25m.  **received as:** Triticum triunciale. Wild. Seed.

PI 564222  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  **collector id:** 84TK212-003.  **locality:** Tusun Motel, Gizelyali village; about 15 km south of Canakkale.  **elevation:** 25m.  **received as:** Triticum triunciale. Wild. Seed.

PI 564223  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  **collector id:** 84TK213-003.  **locality:** 7 km northeast of Canakkale, enroute to Lapseki.  **elevation:** 80m.  **received as:** Triticum triunciale. Wild. Seed.

PI 564224  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  **collector id:** 84TK214-001.  **locality:** 15 km northeast of Canakkale enroute to Lapseki; west edge of Yapiadlik village.  **elevation:** 70m.  **received as:** Triticum triunciale. Wild. Seed.

438
PI 564225  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  
**collector id:** 84TK215-001.  **locality:** 3 km southwest of Lapseki.  **elevation:** 10m.  **received as:** Triticum triunciale.  Wild. Seed.

PI 564226  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  
**collector id:** 84TK218-001.  **locality:** 5 km northwest of Can.  **elevation:** 50m.  **received as:** Triticum triunciale.  Wild. Seed.

PI 564227  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  
**collector id:** 84TK218-002.  **locality:** 5 km northwest of Can.  **elevation:** 50m.  **received as:** Triticum triunciale.  Wild. Seed.

PI 564228  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  
**collector id:** 84TK220-001.  **locality:** 24 km southeast of Yenice.  **elevation:** 190m.  **received as:** Triticum triunciale.  Wild. Seed.

PI 564229  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  
**collector id:** 84TK223-008.  **locality:** 18 km southeast of Balya.  **elevation:** 200m.  **received as:** Triticum triunciale.  Wild. Seed.

PI 564230  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  
**collector id:** 84TK226-004.  **locality:** 12 km southeast of Bandirma, just north of junction.  **elevation:** 30m.  **received as:** Triticum triunciale.  Wild. Seed.

PI 564231  
**origin:** Turkey.  **collected:** July 1984.  **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  
**collector id:** 84TK228-006.  **locality:** 3 km east of Erdek.  **elevation:** 15m.  **received as:** Triticum triunciale.  Wild. Seed.
PI 564232  
**origin:** Turkey. **collected:** July 1984. **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  
**collector id:** 84TK230-001. **locality:** 11 km northwest of Karacabey. **elevation:** 20m. **received as:** Triticum triunciale. Wild. Seed.

PI 564233  
**origin:** Turkey. **collected:** July 1984. **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  
**collector id:** 84TK232-003. **locality:** 1 km southwest of Zeytinbagi. **elevation:** 50m. **received as:** Triticum triunciale. Wild. Seed.

PI 564234 to 564235. **Aegilops umbellulata Zhuk.** POACEAE

**Donated by:** Kimber, G., University of Missouri, Dept. of Agronomy, 205 Curtis Hall, Columbia, Missouri 65211, United States. Received October 01, 1992.

PI 564234  
**origin:** Turkey. **collected:** June 1984. **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; S. Jana, Univ. of Saskatchewan.  
**collector id:** 84TK020-047. **locality:** 8 km north of Elmali/Finike road junction toward Elmali. **elevation:** 190m. **received as:** Triticum umbellulatum. Wild. Seed.

PI 564235  
**origin:** Turkey. **collected:** July 1984. **collector:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  
**collector id:** 84TK209-005. **locality:** 9 km southeast of Ayvacik. **elevation:** 420m. **received as:** Triticum umbellulatum. Wild. Seed.

PI 564236 to 564237. **Cynodon dactylon (L.) Pers.** POACEAE Bermudagrass

**Donated by:** Nickson, D., The Peninsula Country Golf Club, Skye Road, P.O. Box 145, Frankston, Victoria 3199, Australia. Received May 08, 1989.

PI 564236  
**donor id:** 2. **origin:** Australia. **other id:** Q 27767. **locality:** Ecotype from golf club grounds, Frankston. Plant.

PI 564237  
**donor id:** 14. **origin:** Australia. **other id:** Q 27779. **locality:** Ecotype from golf club grounds, Frankston. Plant.
PI 564238. Eulaliopsis binata (Retz.) C. E. Hubb.  POACEAE  Sabai grass

Donated by: Sharp, W.C., Ecological Sciences Division, Soil Conservation Service, USDA, P.O. Box 2890, Washington, D.C. 20013, United States. Received May 07, 1990.


PI 564239. Pennisetum purpureum Schum.  POACEAE  Napier grass

Donated by: Sharp, W.C., Ecological Sciences Division, Soil Conservation Service, P.O. Box 2890, Washington, D.C. 20013, United States. remarks: Received through NBPGR, IARI Campus, New Delhi, India. Received May 07, 1990.


PI 564240 to 564241. Cynodon dactylon (L.) Pers.  POACEAE  Bermudagrass

Donated by: Taliaferro, C. M., Agronomy Dept., Oklahoma State Univ., Stillwater, Oklahoma 74078, United States. Received August 21, 1990.


PI 564242. Cynodon hybrid POACEAE

Donated by: Taliaferro, C. M., Agromomy Dept., Oklahoma State Univ., Stillwater, Oklahoma 74078, United States. Received August 21, 1990.


PI 564243. Beta vulgaris L. CHENOPODIACEAE Sugarbeet


PI 564244. Avena sativa L. POACEAE Oat

PI 564244-continued

**origin:** United States.  **developed:** R.W. Gooding.  **origin institute:** Ohio Agr. Res. & Dev. Ctr., Ohio State University, 1680 Madison Avenue, Wooster, Ohio 44691-4096 United States.  **cultivar:** ARMOR.  **pedigree:** Otee/Noble//Ogle.  **other id:** CV-336.  **group:** CSR-OAT.  **restricted:** CSR.  **remarks:** High yield potential and excellent straw strength. Midseason in maturity, medium tall. Moderately resistant to BYDV, but susceptible to prevalent races of Puccinia coronata f. sp. avenae. Juvenile growth habit erect. Culms and leaf margins glabrous. Ligules present. Panicles equilateral with ascending branches. Spikelet separation is by fracture. Floret separation is by disarticulation. Lemmas yellow and glabrous. Seed nonfluorescent. Awns infrequent, non-twisted, and average 20mm in length. Kernels bright yellow, medium sized, plump and finely tapered at tips. Spring Annual. Cultivar. Seed.

PI 564245. Triticum aestivum L., nom. cons. POACEAE Wheat

**Donated by:** Sears, R.G., Kansas State University, Agronomy Department, Throckmorton Hall, Manhattan, Kansas 66506-5501, United States. Received November 27, 1992.

**origin:** United States.  **origin institute:** Kansas Agric. Exp. Station, Manhattan, Kansas United States.  **cultivar:** KARL 92.  **pedigree:** Plainsman V/3/Kaw/Atlas 50//Parker *5/Agent.  **other id:** KS831374-142.  **remarks:** Fll head row selection from Karl. Awned, white-glumed, semi-dwarf, hard red winter wheat. Equals Karl for all traits except yield averaging 268kg/ha-l more grain than Karl. Resistant to Soilborne Wheat Mosaic Virus and Wheat Spindle Streak Mosaic. Excellent tolerance to Puccinia graminis f. sp. tritici, Puccinia recondita f. sp. tritici, Pyrenophora tritici-repentis, Mycosphaerella graminicola, Leptosphaeria nodorum and Erysiphe graminis. Winter Annual. Cultivar. Seed.

PI 564246. Triticum aestivum L., nom. cons. POACEAE Wheat

**Donated by:** Sears, R.G., Kansas Agr. Exp. Sta., Kansas State University, Agronomy Dept., Throckmorton Hall, Manhattan, Kansas 66506-5501, United States. Received November 27, 1992.
PI 564246-continued


PI 564247 to 564253. Triticum aestivum L., nom. cons. POACEAE Wheat

Donated by: Talbert, L., Montana State University, Plant and Soil Science Dept., Bozeman, Montana 59717-0312, United States. Received November 27, 1992.


PI 564247 to 564253—continued

PI 564251  
origin: United States.  
origin institute: Montana Agric. Exp. Station, Bozeman, Montana United States.  
origin institute id: MTRWA 92-120.  
remarks: Spring habit.  
Resistant to Russian wheat aphid (Diuraphis noxia).  
Kernels red.  
Spring Annual.  
Breeding Material.  
Seed.

PI 564252  
origin: United States.  
origin institute: Montana Agric. Exp. Station, Bozeman, Montana United States.  
origin institute id: MTRWA 92-121.  
remarks: Spring habit.  
Resistant to Russian wheat aphid (Diuraphis noxia).  
Kernels red.  
Spring Annual.  
Breeding Material.  
Seed.

PI 564253  
origin: United States.  
origin institute: Montana Agric. Exp. Station, Bozeman, Montana United States.  
origin institute id: MTRWA 92-123.  
remarks: Spring habit.  
Resistant to Russian wheat aphid (Diuraphis noxia).  
Kernels red.  
Spring Annual.  
Breeding Material.  
Seed.

PI 564254 to 564260.  
Triticum aestivum L., nom. cons.  
POACEAE  
Common wheat

Donated by:  
Talbert, L., Montana State University, Plant and Soil Science Dept., Bozeman, Montana 59717-0312, United States.  
Received November 27, 1992.

PI 564254  
origin: United States.  
origin institute: Montana Agric. Exp. Station, Bozeman, Montana United States.  
origin institute id: MTRWA 92-145.  
remarks: Spring habit.  
Resistant to Russian wheat aphid (Diuraphis noxia).  
Kernels red.  
Spring Annual.  
Breeding Material.  
Seed.

PI 564255  
origin: United States.  
origin institute: Montana Agric. Exp. Station, Bozeman, Montana United States.  
origin institute id: MTRWA 92-149.  
remarks: Spring habit.  
Resistant to Russian wheat aphid (Diuraphis noxia).  
Kernels red.  
Spring Annual.  
Breeding Material.  
Seed.

PI 564256  
origin: United States.  
origin institute: Montana Agric. Exp. Station, Bozeman, Montana United States.  
origin institute id: MTRWA 92-150.  
remarks: Spring habit.  
Resistant to Russian wheat aphid (Diuraphis noxia).  
Kernels red.  
Spring Annual.  
Breeding Material.  
Seed.


PI 564261. Glycine max (L.) Merr. FABACEAE Soybean


PI 564262 to 564263. Medicago sativa subsp. falcata (L.) Arcang. 
FABACEAE Alfalfa

Donated by: Groose, R.W., Wyoming Agr. Exp. Sta., University of 
Wyoming, Laramie, Wyoming 82071-3354, United States. remarks: Two 
Alfalfa Germplasms. Received November 27, 1992.

PI 564262 
origin: United States. developed: R.W. Groose, Y.G. Li. 
origin institute: Wyoming Agr. Exp. Sta., University of 
Wyoming, Dept. of Plant, Soil and Insect Sci., Laramie, 
Wyoming 82071 United States. cultivar: WY-RF2. 
pedigree: Developed by three cycles of half-sib family 
recurrent phenotypic selection from PI 260993 (USSR). 
Seed of WY-RF2 (Cycle 3) produced by intermating nine 
selected Cycle 2 clones. other id: GP-264. group: 
CSR-ALFALFA. other id: W6 11154. group: W6. 
restricted: CSR. remarks: Diploid (2n=2x-16) bred for 
biotechnology research and development. 93% embryogenic 
genotypes and more than 50% of these will produce 
well-formed, vigorous plantlets after 50 days on 
regeneration medium. Agronomically important traits 
should be nearly identical to PI 260993. Perennial. 
Breeding Material. Seed.

PI 564263 
origin: United States. developed: R.W. Groose, Y.G. Li. 
origin institute: Wyoming Agr. Exp. Sta., University of 
Wyoming, Dept. of Plant, Soil and Insect Sci., Laramie, 
Wyoming 82071 United States. cultivar: WY-RF1. 
pedigree: Developed by three cycles of half-sib family 
recurrent phenotypic selection from PI 251830 (Austria). 
Seed of WY-RF1 (Cycle 3) produced by intermating seven 
selected Cycle 2 clones. other id: GP-263. group: 
CSR-ALFALFA. other id: W6 11155. group: W6. 
restricted: CSR. remarks: Diploid (2n=2x-16) bred for 
biotechnology research and development. 100% embryogenic 
genotypes and more than 50% of these will produce 
well-formed, vigorous plantlets after 50 days on 
regeneration medium. Agronomically important traits 
should be nearly identical to PI 251830. Perennial. 
Breeding Material. Seed.

PI 564264. Juniperus conferta Parlatore CUPRESSACEAE

Donated by: Martin, S., Agricultural Research Service -- USDA, U.S. 
National Arboretum, 3501 New York Avenue, NE, District of Columbia 
20002, United States. Received November 30, 1992.
PI 564264-continued

PI 564265 to 564269. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50010, United States; and Agricultural Research Service -- USDA. Received November 23, 1992.


PI 564270. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50010, United States; and Agricultural Research Service -- USDA. Received November 23, 1992.


PI 564271. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50011, United States; and Puerto Rico Agr. Exp. Sta.. Received November 23, 1992.
PI 564271-continued

**origin:** United States. **developed:** W.R. Fehr, S. Rodriguez de Cianzio. **origin institute:** Iowa Agr. and Home Econ. Exp. Sta., Iowa State University, Ames, Iowa 50011 United States. **cultivar:** AP9. **pedigree:** Population derived from 10 high-yielding cultivars or experimental strains and 10 plant introductions with the best resistance to iron-deficiency chlorosis. **other id:** GP-33. **source:** Crop Sci. 20(5):677 1980. **group:** CSR-SOYBEAN. **remarks:** Genetically diverse population with superior resistance to iron-deficiency chlorosis on calcareous soils. Annual. Breeding Material. Seed.

PI 564272 to 564275. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50011, United States; and Puerto Rico Agr. Exp. Sta. Received November 23, 1992.

**PI 564272**

**origin:** United States. **developed:** W.R. Fehr, S. Rodriguez de Cianzio. **origin institute:** Iowa Agr. and Home Econ. Exp. Sta., Iowa State University, Ames, Iowa 50011 United States. **cultivar:** AP10. **pedigree:** Population developed from 40 plant introductions of Maturity Groups I to IV. **other id:** GP-35. **source:** Crop Sci. 21(3):477 1981. **group:** CSR-SOYBEAN. **remarks:** Population used to evaluate progress from recurrent selection in populations that differ in percentage of the percentage from plant introductions. Annual. Breeding Material. Seed.

**PI 564273**

**origin:** United States. **developed:** W.R. Fehr, S. Rodriguez de Cianzio. **origin institute:** Iowa Agr. and Home Econ. Exp. Sta., Iowa State University, Ames, Iowa 50011 United States. **cultivar:** AP12. **pedigree:** Population developed from 40 plant introductions and 40 high yielding cultivars or experimental lines of Maturity Groups I to IV. 50% of parentage derived from plant introductions. **other id:** GP-37. **source:** Crop Sci. 21(3):477 1981. **group:** CSR-SOYBEAN. **remarks:** Population used to evaluate progress from recurrent selection in populations that differ in percentage of the percentage from plant introductions. Annual. Breeding Material. Seed.


PI 564276. Glycine max (L.) Merr.  FABACEAE


PI 564277. Glycine max (L.) Merr. FABACEAE

**Donated by:** Walker, A.K., Ohio Agric. Res. and Dev. Center, Ohio State University, Dept. of Agronomy, Wooster, Ohio 44691, United States. Received November 23, 1992.

**origin:** United States. **developed:** A.K. Walker, A.F. Schmitthenner. **origin institute:** Ohio Agric. Res. and Dev. Center, Ohio State University, Dept. of Agronomy, Wooster, Ohio 44691 United States. **cultivar:** PMGT(SI)C3. **pedigree:** 10 high yielding lines and cvs. from Maturity Groups I to III with moderate or better tolerance levels to phytophthora rot caused by Phytophthora megasperma. **other id:** GP-47. **source:** Crop Sci. 24(1):213 1984. **group:** CSR-SOYBEAN. **remarks:** Population with superior tolerance to phytophthora rot (Phytophthora megasperma). Breeding Material. Seed.

PI 564278. Glycine max (L.) Merr. FABACEAE

**Donated by:** Walker, A.K., Ohio Agric. Res. and Dev. Center, Ohio State University, Dept. of Agronomy, Wooster, Ohio 44691, United States. Received November 23, 1992.


PI 564279. Glycine max (L.) Merr. FABACEAE

PI 564279-continued


PI 564280. Glycine max (L.) Merr. FABACEAE


PI 564281. Glycine max (L.) Merr. FABACEAE

Donated by: Hartwig, E.E., Agricultural Research Service -- USDA, Delta Branch Station, Soybean Production Research, Stoneville, Mississippi 38776, United States; and Mississippi Agric. & Forestry Exp. Sta.. Received November 23, 1992.

PI 564282. Triticum aestivum L., nom. cons. POACEAE Common wheat


PI 564283 to 564430. Triticum aestivum L., nom. cons. POACEAE Common wheat

Donated by: Stoyanov, Ivan, Institute for Wheat and Sunflower, Dubroudja, Tolbukhin 9300, Bulgaria. Received October 01, 1991.


PI 564431 to 564443. X Triticosecale sp. POACEAE

Donated by: Stoyanov, Ivan, Institute for Wheat and Sunflower, Dobroudja, Tolbukhin 9300, Bulgaria. Received October 01, 1991.


466
PI 564431 to 564443-continued


PI 564444 to 564446. Avena sativa L. POACEAE Oat


PI 564447 to 564483. Hordeum vulgare L. subsp. vulgare POACEAE Barley


<table>
<thead>
<tr>
<th>PI 564447 to 564483-continued</th>
</tr>
</thead>
</table>
| **PI 564461**  
donor id: ISN 271. origin: Bulgaria. cultivar: KRASSI.  

**PI 564462**  

**PI 564463**  

**PI 564464**  
donor id: ISN 278. origin: Bulgaria. cultivar: ELZA.  

**PI 564465**  

**PI 564466**  

**PI 564467**  
donor id: ISN 285. origin: Bulgaria. cultivar: KAMTCHIA.  

**PI 564468**  

**PI 564469**  

**PI 564470**  

**PI 564471**  

**PI 564472**  

**PI 564473**  

469


PI 564484 to 564486.  X Triticosecale sp.  POACEAE Triticale

PI 564484 to 564497. Hordeum vulgare L. subsp. vulgare POACEAE Barley


PI 564493  
**origin:** Germany.  
**source history:** Developed in the former DDR.  
**cultivar:** KORINNA.  
**collector:** R. Grauf, Bayerische Landesanstalt fur Bodenkultur und Pflanzenbau, Freising.  
**remarks:** Spring malting barley. Cultivar. Seed.

PI 564494  
**origin:** Germany.  
**source history:** Developed in the former DDR.  
**cultivar:** KRONA.  
**collector:** R. Grauf, Bayerische Landesanstalt fur Bodenkultur und Pflanzenbau, Freising.  
**remarks:** Spring malting barley. Cultivar. Seed.

PI 564495  
**origin:** Germany.  
**source history:** Developed in the former DDR.  
**cultivar:** LARISSA.  
**collector:** R. Grauf, Bayerische Landesanstalt fur Bodenkultur und Pflanzenbau, Freising.  
**remarks:** Spring malting barley. Cultivar. Seed.

PI 564496  
**origin:** Germany.  
**source history:** Developed in the former DDR.  
**cultivar:** MARLEN.  
**collector:** R. Grauf, Bayerische Landesanstalt fur Bodenkultur und Pflanzenbau, Freising.  
**remarks:** Spring malting barley. Cultivar. Seed.

PI 564497  
**origin:** Germany.  
**cultivar:** STEFFI.  
**collector:** R. Grauf, Bayerische Landesanstalt fur Bodenkultur und Pflanzenbau, Freising.  
**remarks:** Spring malting barley. Cultivar. Seed.

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PI 564498 to 564503. Hordeum vulgare L. subsp. vulgare POACEAE Barley

**Donated by:** Brown, W., Colorado State University, Colorado Agric. Exp. Sta., Ft. Collins, Colorado 80523, United States. Received September 01, 1991.

PI 564498  
**origin:** Bolivia.  
**cultivar:** IBTA 80.  
**collector:** W. Brown, Colorado Agric. Exp. Station, Ft. Collins.  
Cultivar. Seed.

PI 564499  
**origin:** Bolivia.  
**cultivar:** INCA.  
**collector:** W. Brown, Colorado Agric. Exp. Station, Ft. Collins.  
Cultivar. Seed.

PI 564500  
**origin:** Bolivia.  
**cultivar:** VALLUNO.  
**collector:** W. Brown, Colorado Agric. Exp. Station, Ft. Collins.  
Cultivar. Seed.

PI 564501  
**origin:** Bolivia.  
**cultivar:** K'OCHALA.  
**collector:** W. Brown, Colorado Agric. Exp. Station, Ft. Collins.  
Cultivar. Seed.


PI 564504 to 564507. Hordeum vulgare L. subsp. vulgare POACEAE Barley

Donated by: VIR, 44 Herzen St., St. Petersburg, Russian Federation. Received December 01, 1990.


PI 564508. Brassica tournefortii Gouan BRASSICACEAE

Donated by: Koelz, Walter N., USDA-ARS, Beltsville, Maryland 20705-2350, United States. Received December 11, 1992.


PI 564509. Brassica nigra (L.) Koch BRASSICACEAE

Donated by: Gentry, H.S., USDA-ARS, Beltsville, Maryland 20705-2350, United States. Received December 11, 1992.

PI 564510 to 564511. Triticum aestivum L., nom. cons. POACEAE Common wheat

Donated by: Arizona Agr. Exp. Sta., University of Arizona, Department of Plant Sciences, Mesa, Arizona 85201, United States. Received December 11, 1992.


PI 564512 to 564514. Sorghum bicolor (L.) Moench POACEAE Sorghum


PI 564515. Helianthus sp.  ASTERACEAE Sunflower

Donated by: Seiler, G.J., Agricultural Research Service -- USDA, P.O. Box 5677, Fargo, North Dakota 58105, United States.  Received December 16, 1992.


PI 564516. Pennisetum glaucum (L.) R. Br.  POACEAE Pearl millet

Donated by: Hanna, W.W., Agricultural Research Service -- USDA, Georgia Coastal Plain Experiment Station, Tifton, Georgia 31793, United States; and Georgia Agr. Exp. Sta..  remarks: Al/B/Tift 90D2E1 pearl millet parental lines.  Received December 10, 1992.
PI 564516-continued

**origin**: United States. **developed**: W.W. Hanna. **origin institute**: Agricultural Research Service -- USDA, University of Georgia, Agric. Res. Sta., Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar**: TIFT 90D2B1E1. **pedigree**: Cross between a rust and leaf spot resistant plant and a dwarf genotype of Tift 23B1E1. **other id**: PL-21. **group**: CSR-MILLET, PEARL. **restricted**: CSR. **remarks**: Bl (maintainer) line of 90D2E1. Highly resistant to leafspot and rust. Bottom one or two leaves on some plants may develop brown discoloration due to rust infection, but no pustules are formed. Disease resistance controlled by separate major dominant genes for each disease. Flowers 40 to 42 days after planting and averages 1.0m tall at maturity. Seeds brownish-gray in color. Spring Annual. Breeding Material. Seed.

PI 564517 to 564520. Helianthus hybrid ASTERACEAE Sunflower

**Donated by**: Seiler, G.J., Agricultural Research Service -- USDA, P.O. Box 5677, Fargo, North Dakota 58105, United States; and North Dakota Agr. Exp. Sta.. **remarks**: Six Interspecific Germplasm Lines Derived from Wild Perennial Sunflower. Received December 10, 1992.

**PI 564517** **origin**: United States. **developed**: G.J. Seiler. **origin institute**: Agricultural Research Service -- USDA, Northern Crop Science Lab., P.O. Box 5677, Fargo, North Dakota 58105 United States. **cultivar**: TUB-1709-1. **pedigree**: cms HA 89*2 (Helianthus annuus)/TUB-1709 (H. tuberosus) F3. **other id**: GP-183. **group**: CSR-SUNFLOWER. **restricted**: CSR. **remarks**: Plants single headed. Plant height 145cm, flowering (50%) 66 days after planting, self-compatibility (seed set under bags) 91%, viable pollen staining 92%, 100 seed weight 4.5g, test weight 391kg/m3, and oil content 42.8%. Spring Annual. Breeding Material. Seed.

**PI 564518** **origin**: United States. **developed**: G.J. Seiler. **origin institute**: Agricultural Research Service -- USDA, Northern Crop Science Lab., P.O. Box 5677, Fargo, North Dakota 58105 United States. **cultivar**: TUB-1709-2. **pedigree**: cms HA 89*2 (Helianthus annuus)/TUB-1709 (H. tuberosus) F4. **other id**: GP-184. **group**: CSR-SUNFLOWER. **restricted**: CSR. **remarks**: Plants both single and multiple headed. Plant height 130cm, flowering (50%) 66 days after planting, self-compatibility (seed set under bags) 98%, viable pollen staining 91%, 100 seed weight 4.8g, test weight 386kg/m3, and oil content 43.3%. Spring Annual. Breeding Material. Seed.
PI 564519  origin: United States.  developed: G.J. Seiler.  origin institute: Agricultural Research Service -- USDA, Northern Crop Science Lab., P.O. Box 5677, Fargo, North Dakota 58105 United States.  cultivar: TUB-1709-3.  pedigree: cms HA 89*3 (Helianthus annuus)/TUB-1709 (H. tuberosus) F3.  other id: GP-185.  group: CSR-SUNFLOWER.  restricted: CSR.  remarks: Plants both single and multiple headed. Plant height 134cm, flowering (50%) 66 days after planting, self-compatibility (seed set under bags) 89%, viable pollen staining 87%, 100 seed weight 4.5g, test weight 391kg/m3, and oil content 43.4%. Spring Annual. Breeding Material. Seed.

PI 564520  origin: United States.  developed: G.J. Seiler.  origin institute: Agricultural Research Service -- USDA, Northern Crop Science Lab., P.O. Box 5677, Fargo, North Dakota 58105 United States.  cultivar: TUB-1789.  pedigree: cms HA 89/P-21 Peredovik*1 (Helianthus annuus)/TUB-1789 (H. tuberosus) F3.  other id: GP-186.  group: CSR-SUNFLOWER.  restricted: CSR.  remarks: Plants single headed. Plant height 150cm. Flowering (50%) 70 days after planting, self-compatibility (seed set under bags) 57%, viable pollen staining 98%, 100 seed weight 4.8g, test weight 386kg/m3, and oil content 41.1%. Spring Annual. Breeding Material. Seed.

PI 564521 to 564522. Vicia sativa L.  FABACEAE  Common vetch


PI 564523. Phaseolus vulgaris L. FABACEAE Garden bean

**Donated by:** Rogers NK Seed Company, United States. Received December 14, 1992.

**origin:** United States. **origin institute:** Rogers NK Seed Company United States. **cultivar:** SUMMIT. **other id:** PVP 9300016. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564524. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Minnesota Agr. Exp. Sta., Minnesota, United States. Received December 14, 1992.

**origin:** United States. **origin institute:** Minnesota Agr. Exp. Sta, Minnesota United States. **cultivar:** Alpha. **other id:** PVP 9300017. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564525. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Northrup King Company, United States. Received December 14, 1992.

**origin:** United States. **origin institute:** Northrup King Company United States. **cultivar:** S46-44. **other id:** PVP 9300018. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564526. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Northrup King Company, United States. Received December 14, 1992.

**origin:** United States. **origin institute:** Northrup King Company United States. **cultivar:** S62-66. **other id:** PVP 9300019. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564527. Cucurbita pepo L. CUCURBITACEAE Pumpkin

**Donated by:** Rupp Seeds, Inc., United States. Received December 14, 1992.

**origin:** United States. **origin institute:** Rupp Seeds, Inc. United States. **cultivar:** RS1090. **other id:** PVP 9300020. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.
PI 564528. Glycine max (L.) Merr. FABACEAE Soybean


PI 564529. Glycine max (L.) Merr. FABACEAE Soybean


PI 564530. Glycine max (L.) Merr. FABACEAE Soybean


PI 564531. Lactuca sativa L. ASTERACEAE Lettuce

Donated by: Zaadunie BV, Netherlands. Received December 14, 1992.


PI 564532. Lactuca sativa L. ASTERACEAE Lettuce


PI 564533. *Lactuca sativa* L. ASTERACEAE Lettuce

**Donated by:** Asgrow Seed Company, Genecorp, Inc., United States. Received December 14, 1992.

**origin:** United States. **origin institute:** Asgrow Seed Company, Genecorp, Inc. United States. **cultivar:** STINGER. **other id:** PVP 9300026. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564534. *Cucumis melo* L. CUCURBITACEAE Kharbuza melon

**Donated by:** Mohammed, S., Ali Abad Farm, United States. Received December 14, 1992.

**origin:** United States. **origin institute:** Ali Abad Farm United States. **cultivar:** ALIABADI. **other id:** PVP 9300029. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564535. *Citrullus lanatus* (Thunb.) Matsum. & Nakai CUCURBITACEAE Watermelon

**Donated by:** FreshWorld L.P., United States. Received December 14, 1992.

**origin:** United States. **origin institute:** FreshWorld L.P. United States. **cultivar:** JIMMY. **other id:** PVP 9300031. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564536. *Citrullus lanatus* (Thunb.) Matsum. & Nakai CUCURBITACEAE Watermelon

**Donated by:** FreshWorld L.P., United States. Received December 14, 1992.

**origin:** United States. **origin institute:** FreshWorld L.P. United States. **cultivar:** LISA. **other id:** PVP 9300032. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 564537. *Trifolium repens* L. FABACEAE Ladino clover

**Donated by:** USDA-ARS, United States; and NC Agricultural Research Service, North Carolina, United States. Received December 14, 1992.
PI 564537-continued

origin: United States. origin institute: USDA-ARS
United States. cultivar: WILL. other id: PVP 9300033.
source: Pending. group: PVPO. patent: PVPO. Cultivar.
Seed.

PI 564538. Lolium perenne L. POACEAE Perennial ryegrass

Donated by: Pure-Seed Testing, Inc., United States. Received
December 14, 1992.

origin: United States. origin institute: Pure-Seed
Testing, Inc. United States. cultivar: NAVAJO. other
id: PVP 9300034. source: Pending. group: PVPO. patent:
PVPO. Cultivar. Seed.

PI 564539. Zea mays L. subsp. mays POACEAE Field corn

Received December 14, 1992.

origin: United States. origin institute: Holden's
Foundation Seeds, Inc. United States. cultivar: LH166.
other id: PVP 9300035. source: Pending. group: PVPO.
payment: PVPO. Cultivar. Seed.

PI 564540. Zea mays L. subsp. mays POACEAE Field corn

Received December 14, 1992.

origin: United States. origin institute: Holden's
other id: PVP 9300036. source: Pending. group: PVPO.
payment: PVPO. Cultivar. Seed.

PI 564541. Zea mays L. subsp. mays POACEAE Field corn

Received December 14, 1992.

origin: United States. origin institute: Holden's
other id: PVP 9300037. source: Pending. group: PVPO.
payment: PVPO. Cultivar. Seed.
PI 564542. Zea mays L. subsp. mays POACEAE Field corn

**Donated by:** Holden's Foundation Seeds, Inc., United States.
Received December 14, 1992.


PI 564543. Zea mays L. subsp. mays POACEAE Field corn

**Donated by:** Holden's Foundation Seeds, Inc., United States.
Received December 14, 1992.


PI 564544. Trifolium repens L. FABACEAE White clover

**Donated by:** Florida Agr. Exp. Sta., Florida, United States.
Received December 14, 1992.


PI 564545. Gossypium hirsutum L. MALVACEAE Cotton

**Donated by:** J & S Research Company, Inc., United States. Received December 14, 1992.


PI 564546. Festuca rubra L. POACEAE Spreading red fescue

**Donated by:** Mommersteeg International B.V., Netherlands. Received December 14, 1992.

PI 564547. Festuca rubra var. commutata Gaudin POACEAE Chewings fescue


PI 564548. Poa trivialis L. POACEAE Rough bluegrass


PI 564549. Helianthus sp. ASTERACEAE Sunflower

Donated by: Seiler, G.J., Agricultural Research Service -- USDA, Northern Crop Science Lab., Fargo, North Dakota 58105, United States; and North Dakota Agr. Exp. Sta.. Received December 16, 1992.


PI 564550. Triticum aestivum L., nom. cons. POACEAE Common wheat

Donated by: Goates, B.J., USDA-ARS, P.O. Box 307, Aberdeen, Idaho 83210, United States. Received December 08, 1992.
donor id: PI192339HF. origin: United States. origin institute id: PI192339HF. source history: Presumed to come from a misidentified entry in a field nursery. remarks: Highly resistant to dwarf bunt races found in U.S. Tested since 1972. Line was called PI 192339 until it was realized it did not correspond to actual PI 192339. Breeding Material. Seed.

PI 564551 to 564552. Elymus lanceolatus (Scribner & J. G. Smith) Gould subsp. lanceolatus POACEAE

Donated by: Jones, T.A., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received December 17, 1992.


PI 564553 to 564564. Leymus cinereus (Scribner & Merr.) A. Love POACEAE

Donated by: Jones, T.A., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received December 17, 1992.


PI 564565. Leymus hybrid  POACEAE

Donated by: Jones, T.A., USDA-ARS, Forage and Range Research, Utah State University, Logan, Utah 84322-6300, United States. Received December 17, 1992.
PI 564565-continued

**donor id:** T-49. **origin:** United States. **collected:** July 21, 1986. **collector:** T.A. Jones, D.C. Nielson, K.B. Jensen. **other id:** W6 11145. **group:** W6. **locality:** In the town of Eureka, Eureka County. Perennial. Wild. Seed.

**PI 564566 to 564571. Triticum aestivum L., nom. cons. POACEAE Common wheat**

**Donated by:** Koenig, J., INRA, Sta. de'Amelioration des Plantes, Domaine de Crouelle, 63039 Clermont Ferrand Cedex, Paris, France. Received December 17, 1992.

**PI 564566**

**origin:** France. **cultivar:** BRISCARD. **other id:** MAC9192-1724. Cultivar. Seed.

**PI 564567**

**origin:** France. **cultivar:** GERBIER. **other id:** MAC9192-1726. Cultivar. Seed.

**PI 564568**

**origin:** France. **origin institute:** I.N.R.A., Paris, Ville-de-Paris France. **cultivar:** PERNEL. **pedigree:** 81.12/3/US-60/Prieur//VPM/Moisson. **other id:** MAC9192-2424. Cultivar. Seed.

**PI 564569**

**origin:** France. **cultivar:** RENAN. **other id:** MAC9192-4114. Cultivar. Seed.

**PI 564570**

**origin:** France. **origin institute:** I.N.R.A., Paris, Ville-de-Paris France. **cultivar:** RESCLER. **pedigree:** N27/Cappelle//D48/3/Mexique 50/B21//42-6. **other id:** MAC9192-4174. Cultivar. Seed.

**PI 564571**

**origin:** France. **origin institute:** I.N.R.A., Paris, Ville-de-Paris France. **cultivar:** TARASQUE. **pedigree:** Florence Aurore/Magdalena//Triticale 8-3 CIMMYT. **other id:** MAC9192-4438. Cultivar. Seed.

**PI 564572 to 564584. Oryza sativa L. POACEAE Rice**

**Donated by:** Lee, F.N., Univ. of Arkansas Rice Res. Sta., P.O. Box 351, Stuttart, Arkansas 72106, United States. Received December 17, 1992.

**PI 564572**

**origin:** Philippines. **origin institute id:** IRRI 11722. **cultivar:** AHAMBA. **collector:** IRRI, Manila. **collector id:** IRRI 11722. Cultivar. Seed.

**PI 564573**

**origin:** Philippines. **origin institute id:** IRRI 11962. **cultivar:** PODIRATAWEE. **collector:** IRRI, Manila. Cultivar. Seed.
PI 564572 to 564584-continued

PI 564574  
origin: Philippines. origin institute id: IRRI 12379.  

PI 564575  
origin: Philippines. origin institute id: IRRI 12440.  

PI 564576  
origin: Philippines. origin institute id: IRRI 13391.  
cultivar: SML AWINI. Cultivar. Seed.

PI 564577  
origin: Philippines. origin institute id: IRRI 14695.  
cultivar: ZIRA. Cultivar. Seed.

PI 564578  
origin: Philippines. origin institute id: IRRI 14699.  

PI 564579  
origin: Philippines. origin institute id: IRRI 26278.  

PI 564580  
origin: Philippines. origin institute id: IRRI 27369.  
cultivar: PARE RIRI. Cultivar. Seed.

PI 564581  
origin: Philippines. origin institute id: IRRI 27421.  
cultivar: PULUT MANJETTI. Cultivar. Seed.

PI 564582  
origin: Philippines. origin institute id: IRRI 27815.  

PI 564583  
origin: Philippines. origin institute id: IRRI 28926.  

PI 564584  
origin: Philippines. origin institute id: IRRI 30310.  

PI 564585. Pennisetum glaucum (L.) R. Br. POACEAE Pearl millet

Donated by: Hanna, W.W., Agricultural Research Service -- USDA, Georgia Coastal Plain Experiment Station, Tifton, Georgia 31793, United States; and Georgia Agr. Exp. Sta.. remarks: Tift 8677 pearl millet parental lines. Received December 18, 1992.

487
PI 564585-continued


PI 564586. Pennisetum glaucum (L.) R. Br. POACEAE Pearl millet

Donated by: Hanna, W.W., Agricultural Research Service -- USDA, University of Georgia, Tifton, Georgia 31793, United States; and Georgia Agr. Exp. Sta. remarks: Tift #5 S-l Pearl Millet Germplasm. Received December 18, 1992.

origin: United States. developed: W.W. Hanna, J.P. Wilson, H.D. Wells, S.C. Gupta. origin institute: Agricultural Research Service - USDA, University of Georgia, Agric. Res. Sta., Agronomy Dept., Tifton, Georgia 31793 United States. cultivar: TIFT #5 S-l. pedigree: Bulk of equal quantities of seed from 114 accessions from ICRISAT, IBPGR, Niger, USA, Senegal, and Mali. other id: GP-29. group: CSR-MILLET, PEARL. restricted: CSR. remarks: Comprised of accessions with genes for resistance to rust, leaf spot, smut, and downy mildew. A sample of over a thousand plants from bulked population segregated for 32% and 86% rust and leaf spot resistant plants, respectively. Genes for potentially increasing forage yields and inducing cytoplasmic male sterility. Should have excellent drought tolerance genes because it is 1 of last 3 or 4 species to survive at edge of Sahara Desert. Although readily crosses with pearl millet & provides valuable genes, weedy relative with seed shattering, small seeds & small inflorescences. Breeding Material. Seed.

PI 564587. Nicotiana tabacum L. SOLANACEAE Burley tobacco

Donated by: Nielsen, M., University of Kentucky, Dept. of Agronomy, N212 Ag Sciences Bldg. N, Lexington, Kentucky 40546-0091, United States. Received December 18, 1992.
PI 564587-continued

*origin:* United States.  **cultivar:** KY8959.  **pedigree:** KY 8529/TN 86.  **remarks:** Maturity 75 days, transplanting to flowering. Average size largest leaf 65cm long, 37cm wide. Stalk diameter (avg.) 3.37cm. Flowers pink. Flowering habit mid-dense. High resistance to black root rot (*Thielaviopsis basicola*), tobacco vein mottling virus, and wildfire (*Pseudomonas syringae pv. tabaci*). Medium resistance to tobacco etch virus and Fusarium wilt (*Fusarium oxysporum*). Cultivar. Seed.

PI 564588. *Triticum aestivum* L., nom. cons. POACEAE Common wheat

*Donated by:* Bruckner, P.L., Montana State University, Dept. of Plant Soil Science, Bozeman, Montana 59717-0312, United States. Received December 18, 1992.


PI 564589. *Sphaeralcea munroana* (Douglas ex Lindley) Spach ex A. Gray MALVACEAE Munroe globemallow

*Donated by:* Rumbaugh, M.D., Agricultural Research Service -- USDA, Forage and Range Res. Lab., Logan, Utah 84322-6300, United States; and Utah Agr. Exp. Sta..  **remarks:** ARS-2892 Munroe Globemallow. Received December 18, 1992.
PI 564589-continued


PI 564590. Sphaeralcea coccinea (Nutt.) Rydb. MALVACEAE Scarlet globemallow


PI 564591. Avena sativa L. POACEAE Winter oat

Donated by: Murphy, P., North Carolina State University, 840 Method Rd., Unit 3, Box 7629, Raleigh, North Carolina 27695, United States. Received December 18, 1992.
PI 564591-continued


PI 564592. Hordeum vulgare L. subsp. vulgare POACEAE Winter barley

**Donated by**: Murphy, J.P., North Carolina Agr. Res. Serv., North Carolina State University, Raleigh, North Carolina 27695-7629, United States; and Agricultural Research Service - USDA.  **remarks**: Mulligan Barley. Received December 18, 1992.

**cultivar**: MULLIGAN.  **pedigree**: NC 63/NC 74-34, F5.  **other id**: CV-238.  **group**: CSR-BARLEY.  **restricted**: CSR.  **remarks**: Winter barley adapted to Southeastern U.S. Six-rowed, short awned, feed barley. Semiprostrate early growth habit with upright flag leaf at boot stage. Plant & maturity similar to Wysor. Susceptible to barley leaf rust (Puccinia hordei) and powdery mildew (Blumeria graminis f. sp. hordei). Excellent resistance to Barley Yellow Dwarf virus. Good yield potential, test weight, kernel size and winterhardiness in North Carolina. Winter Annual. Cultivar. Seed.

PI 564593. Hordeum vulgare L. subsp. vulgare POACEAE Winter barley

**Donated by**: Murphy, J.P., North Carolina Agr. Res. Serv., North Carolina State University, Raleigh, North Carolina 27695-7629, United States; and Agricultural Research Service - USDA.  **remarks**: Mollybloom Barley. Received December 18, 1992.
PI 564593-continued


PI 564594. Agrostis stolonifera var. palustris (Hudson) Farw. POACEAE Creeping bentgrass


PI 564595 to 564678. Hordeum vulgare L. subsp. vulgare POACEAE Barley

Donated by: Damania, A.B., ICARDA, Genetic Resources Unit, P.O. Box 5466, Aleppo, Syria. Received December 21, 1992.


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PI 564595 to 564678—continued


PI 564675  
**origin:** Syria.  
**origin institute id:** 116225.  
**local name:** Arabi Aswad.  
**collected:** July 20, 1989.  
**collector:** L. Holly, B. Humeid, S. Miyagawa, M. Labdi ICARDA/ARCD.  
**collector id:** KYMA-12.  
**other id:** MAC9192-4808.  
**locality:** Sanjak Sa'adoon, 60 km north of Hasaka.  
**elevation:** 550m.  
**Landrace. Seed.**

PI 564676  
**origin:** Syria.  
**origin institute id:** 116227.  
**local name:** Arabi Aswad.  
**collected:** July 21, 1989.  
**collector:** L. Holly, B. Humeid, S. Miyagawa, M. Labdi ICARDA/ARCD.  
**collector id:** KYMA-23.  
**other id:** MAC9192-4812.  
**locality:** Om Dowail, 11 km after Kamishly to Hasaka.  
**elevation:** 500m.  
**Landrace. Seed.**

PI 564677  
**origin:** Syria.  
**origin institute id:** 116229.  
**local name:** Arabi Aswad.  
**collected:** July 22, 1989.  
**collector:** L. Holly, B. Humeid, S. Miyagawa, M. Labdi ICARDA/ARCD.  
**collector id:** KYMA-32.  
**other id:** MAC9192-4816.  
**locality:** Masrhab, 25 km west of Deir El-Zor.  
**elevation:** 350m.  
**Landrace. Seed.**

PI 564678  
**origin:** Syria.  
**origin institute id:** 116230.  
**local name:** Arabi Abiad.  
**collected:** July 22, 1989.  
**collector:** L. Holly, B. Humeid, S. Miyagawa, M. Labdi ICARDA/ARCD.  
**collector id:** KYMA-36.  
**other id:** MAC9192-4818.  
**locality:** Zour Shanmar, Raqqa.  
**elevation:** 300m.  
**Landrace. Seed.**

PI 564679 to 564681. Gossypium hirsutum L. MALVACEAE Upland cotton

*Donated by:* Bourland, F.M., Arkansas Agr. Exp. Sta., University of Arkansas, Fayetteville, Arkansas 72701, United States; and Mississippi Agr. and Forestry Exp. Sta..  
*Remarks:* Miscot 8001, 8004, and 8006 Germplasm Lines of Cotton.  
*Received:* December 22, 1992.


PI 564682. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Hallauer, A.R., Iowa State University, Dept. of Agronomy, Ames, Iowa 50011, United States; and Agricultural Research Service -- USDA. Received December 30, 1992.

**origin:** United States. **cultivar:** B97. **pedigree:** Iowa Corn Borer Synthetic No. 1 [BSCB1(R)C9]-2. **remarks:** Developed from population of Iowa Corn Borer Syn. No. 1 (BSCB1) after nine cycles of reciprocal recurrent selection [BSCB1(R)C9-2]. Tall, vigorous line with above average resistance to first- and second-generation European corn borer (Ostrinia nubilalis) infestation, excellent stalk and root strength, and above average stay green after physiological maturity of grain. Ears have 14 rows of large, yellow dent kernels on intermediate length ears with red cobs. Tassels good pollen producers. Maturity classification is AES700. Spring Annual. Cultivated. Seed.

PI 564683. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Hallauer, A.R., Iowa State University, Dept. of Agronomy, Ames, Iowa 50011, United States; and Agricultural Research Service -- USDA. Received December 30, 1992.

**origin:** United States. **cultivar:** B98. **pedigree:** Pioneer Two-ear Composite [BS11(FR)C5]-2803. **remarks:** Developed from population of BS11 after five cycles of reciprocal full-sib selection [BS11(FR)C5-2803]. Tall plant type with dark green, narrow, upright leaf orientation. Above average resistance to diseases and first- and second-generation European corn borer (Ostrinia nubilalis) infestation. Yellow, flinty kernels are produced on ears with red cobs and 14 to 16 kernel rows. Maturity classification is AES800. Spring Annual. Cultivated. Seed.

PI 564684. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Hallauer, A.R., Iowa State University, Dept. of Agronomy, Ames, Iowa 50011, United States; and Agricultural Research Service -- USDA. Received December 30, 1992.
PI 564684-continued

origin: United States. cultivar: BS28. pedigree: Developed after five cycles of mass selection in a composite of Tuxpeno strains for adaptation to temperate areas. remarks: Developed by mass selection for adaptation to temperate areas from a composite of Tuxpeno selections. Intermediate height plant type with dent kernel types and colors ranging from lemon white to dark yellow. Central U.S. Corn Belt maturity (AES700 maturity classification) and includes germplasm that exhibits good general combining ability in the tropics. Spring Annual. Cultivated. Seed.

PI 564685. Zea mays L. subsp. mays POACEAE Corn

Donated by: Hallauer, A.R., Iowa State University, Dept. of Agronomy, Ames, Iowa 50011, United States; and Agricultural Research Service -- USDA. Received December 30, 1992.

origin: United States. cultivar: BS29. pedigree: Developed from Suwan 1 by five cycles of mass selection for adaptation to temperate areas. remarks: Developed by mass selection for adaptation to temperate areas from Suwan 1, a population developed at Kasetsart University, Bangkok, Thailand. Vigorous plant type of intermediate height and produces girthy ears with light to dark yellow, flinty kernels. AES700 relative maturity. Good resistance to sorghum downy mildew (Sclerospora sorghii) and good general combining ability in the tropics. Spring Annual. Cultivated. Seed.
### Scientific Name Cross Reference

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<thead>
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<th>Scientific Name</th>
<th>Code Range</th>
<th>Scientific Name</th>
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<td>Catharanthus roseus</td>
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<td>Cicer oxyodon</td>
<td>561084, 561103</td>
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<td>Aegilops umbellulata</td>
<td>564234-564235</td>
<td>Citrullus lanatus</td>
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<td>Agrostis stolonifera var. palustris</td>
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<td>Cucumis melo</td>
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<td>Arachis hypogaea 561566-561568, 561676-561689, 562031, 562530</td>
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<td>Arachis hypogaea subsp. fastigiata 561221-561225, 561673, 561916-561917</td>
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<td>Arachis hypogaea subsp. hypogaea</td>
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<td>Curcubit e argyrosperma</td>
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<td>Avena sativa 562640-562641, 562656-562657, 564244, 564444-564446, 564591</td>
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<td>561076, 561096</td>
<td>Cuphea leptopoda</td>
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<td>564509</td>
<td>Cuphea lophostoma</td>
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<td>Cuphea sp.</td>
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<td>Carica papaya</td>
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<td>Cynodon dactylon 564236-564237, 564240-564241</td>
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<td>Cynodon nlemfuensis var. nlemfuensis</td>
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<td>Deschampsia beringensis</td>
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<td>Elymus lanceolatus subsp. lanceolatus</td>
<td>562036-562044, 563856, 564551-564552</td>
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</table>
Elymus sp. 561099,561104
Elymus wawawaiensis 563857-563861
Elytrigia intermedia subsp. intermedia 562527
Eriobotrya deflexa 561169
Eriobotrya japonica 561170-561177
Eriobotrya sp. 561178-561181
Eulaliopsis binata 564238
Fagopyrum esculentum 561664-561671
Festuca arundinacea 561430-561431,562695
Festuca rubra 562642,564546
Festuca rubra var. commutata 564547
Gaultheria adenothrix 561150
Gaultheria hispidula 561151-561152
Gaultheria humifusa 561153-561154
Gaultheria miqueliana 561155
Gaultheria ovatifolia 561156-561159
Gaultheria phillyreifolia 561160-561161
Gaultheria procumbens 561162
Gaultheria shallon 561163-561167
Gaultheria sp. 561168
Gaylussacia baccata 561563-561564
Glycine cyrtoloba 563882-563887
Glycine soja 561355,562387,562531-562568
Glycine tabacina 563880,563888-563891
Glycine tomentella 563876-563879,563881,563892-563903
Gossypium hirsutum 561579-561580,561672,561719,561941,561949-562027,564545,564679-564681
Helianthus annuus 561184-561186,561203,561918-561921,562632-562636
Helianthus hybrid 564517-564520
Helianthus sp. 564515,564549
Heteropogon contortus 562143
Holodiscus discolor 561560-561561
Holodiscus dumosus 561562
Hordeum vulgare subsp. vulgare 561204,561409,561927,562028-562030,562643-562645,564447-564483,564487-564507,564592-564593,564595-564678
Ipomoea alba 561243
Ipomoea asarifolia 561244-561245
Ipomoea batatas var. batatas 561123,561246-561261,561558,564095-564162
Ipomoea cairica 561556
Ipomoea carnea 561262-561263
Ipomoea eriocarpa 561551
Ipomoea hederifolia 561552
Ipomoea incarnata 561264
Ipomoea lacunosa 561559
Ipomoea nil 561553
Ipomoea peruviana 561545-561546
Ipomoea pes-caprae 561265
Ipomoea quamoclit 561555
Ipomoea rubens 561266
Ipomoea trifida 561543-561544,561547-561548
Ipomoea triloba 561267-561269,561554
Ipomoea umbraticola 561557
Ipomoea vargasiana 561270
Ipomoea x grandifolia 561549-561550
Jacquinia arborea 562573
Juniperus conferta 564264
Lactuca sativa 561182,561188,561196,561598,562620,562631,564086,564531-564533
Lathyrus odoratus 561214-561217
Lathyrus sp. 561085-561086,561097-561098
Lens culinaris 561087,561105
Lespedeza bicolor 561142
Lespedeza cuneata 562142
Lespedeza daurica 561143
Leymus cinereus 562045-562048, 563862-563866, 564513-564514
Leymus hybrid 564565
Limnanthes hybrid 562386
Lobelia erinus 561934-561935
Lolium perenne 561193, 561593, 561707-561710, 562626-562627, 562630, 564538
Lolium sp. 561088-561090
Lycopersicon esculentum 564089, 564094, 564169-564172
Mammea americana 562571
Medicago sativa 561432-561455, 561457-561469, 561538-561542, 561713-561716, 561845, 564166, 564167
Medicago sativa subsp. falcata 561456, 564262-564263
Nicotiana tabacum 564065-564068, 564587
Onobrychis viciifolia 561106-561107
Ornithopus compressus 561127
Oryza sativa 561475-561476, 561734-561735, 564572-564584
Panicum amarum 561721
Panicum coloratum 564168
Pennisetum glaucum 561619, 561857, 564516, 564585-564586
Pennisetum purpureum 564239
Phaseolus vulgaris 561202, 561213, 561473-561474, 561577, 561587-561588, 561590-561592, 561696, 561931-561932, 562689, 562696, 564075, 564523
Phytelephas macrocarpa 562572
Pisum sativum 561187, 561939, 564077
Pisum sativum subsp. sativum 562570
Pleurophora anomala 561514
Poa pratensis 561192, 562649
Poa trivialis 564548
Pseudoroegneria spicata 562049-562054, 563867-563875
Saccharum hybrid 561922, 562574-562578
Secale cereale subsp. cereale 561677-561675, 561737-561792
Secale sp. 561793-561810
Sesamum indicum 561704-561706
Setaria sp. 564069
Setaria sphacelata 564070
Solanum acaule subsp. acaule 561642
Solanum albornozii 561635-561637
Solanum andreanum 561648-561649, 561658, 561660-561662
Solanum colombianum 561625-561627, 561633, 561640-561641, 561652-561653, 561657, 561659
Solanum fendleri subsp. fendleri 564024-564046
Solanum jamesii 564047-564057
Solanum juglandifolium 561630, 561634, 561638, 561663
Solanum melongena 561139-561140
Solanum ochranthum 561624, 561629, 561639, 561655-561656
Solanum paucijugum 561643-561645, 561650-561651, 561654
Solanum tuquerrense 561628, 561631-561632, 561646-561647
Sorghum arundinaceum 563510-563513
Sorghum bicolor 561472, 561811-561841, 561846-561855, 561926, 562033-562034, 562065-562087, 562144-562348, 562388-562523, 562605-562610, 562621-562625, 562693, 562701-563509, 563517-563855, 563904-564023, 564163-564165, 564512-564514
Sorghum halepense 563514
Sorghum hybrid 562358
Sorghum laxiflorum 562654
Sorghum sp. 562359-562371
Sorghum stipoideum 562655
Sorghum x album 563515-563516
Sorghum x drummondii 564085
Sphaeralcea coccinea 564590
Sphaeralcea munroana 564589
Stenotaphrum secundatum 561856
Stylosanthes guianensis 562697
Stylosanthes hamata 564088
Taeniatherum caput-medusae subsp. asperum 561091-561092
Taeniatherum caput-medusae subsp. crinitum 561093-561095, 561108-561110
Tagetes patula 561936-561938
Trifolium arvense 561141
Trifolium campestrre 561410
Trifolium hirtum 561471
Trifolium incarnatum 561569, 561942-561944
Trifolium reflexum 561111
Trifolium repens 564537, 564544
Trifolium sp. 561128
Triticum aestivum 561189-
561190,561197-561200,561220,
561722-561733,561842-561843,
561861-561914,561933,561948,
562382-562383,562524-562526,
562528,562528-562619,562646-
562647,562653,562658,562700,
564072,564083,564087,564245-
564260,564282-564430,564510-
564511,564550,564566-564571,
564588
Triticum compactum  562529
Triticum turgidum     561928
Vicia cracca subsp. tenuifolia
561411-561414
Vicia ervilia         561415-561418
Vicia hyrcanica       561419,561421-
561425
Vicia michauxii       561420
Vicia peregrina       561426-561429
Vicia sativa          564521-564522
Vicia villosa         561945-561947
Vigna radiata var. radiata
561121
X Triticosecale sp.   561844,
564073,564431-564443,564484-
564486
Zea mays             562349-562357
Zea mays subsp. mays  561515-
561537,561565,561600-561618,
561620-561623,561694-561695,
561859,561929,562088-562141,
562377-562381,562569,562698,
564539-564543,564682-564685
Zornia sp.            561137

511
<table>
<thead>
<tr>
<th>Common Name Cross Reference</th>
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<tbody>
<tr>
<td>Alfalfa 561432-561469, 561538-561542, 561713-561716, 561845, 564166-564167, 564262-564263</td>
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<td>Basin wild rye 562045-562048</td>
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<td>Bean 561473-561474, 562696</td>
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<td>Bering hairgrass 562652</td>
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<td>Bermudagrass 562699, 564236-564237, 564420-564241</td>
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<td>Bluejoint reedgrass 562651</td>
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<td>Chewings fescue 564547</td>
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<tr>
<td>Cicer milkvetch 561690-561693</td>
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<td>Creeping bentgrass 562385, 564084, 564594</td>
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<td>Creeping red fescue 562642</td>
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<td>Crimson clover 561569, 561942-561944</td>
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<td>Durum wheat 561928</td>
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<td>Hairy vetch 561945-561947</td>
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<td>Hard red winter wheat 561722-561733, 561861-561914</td>
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<td>Horned cucumber jelly melon 561915</td>
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<td>Kentucky bluegrass 561192, 562649</td>
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<td>Sweet potato</td>
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<tr>
<td>Sweetpea</td>
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<tr>
<td>Tall fescue</td>
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<tr>
<td>Tanglehead</td>
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<tr>
<td>Tobacco</td>
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<tr>
<td>Tomato</td>
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<tr>
<td>Triticale</td>
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<tr>
<td>Upland cotton</td>
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<tr>
<td>Vinca</td>
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<tr>
<td>Watermelon</td>
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<tr>
<td>Wheat</td>
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<tr>
<td>White clover</td>
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<tr>
<td>White potato</td>
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<tr>
<td>Wild soybean</td>
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<tr>
<td>Winter barley</td>
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<tr>
<td>Winter oat</td>
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<tr>
<td>Yam</td>
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</tbody>
</table>
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)