Plant Inventory
No. 200, Part III

Plant Materials Introduced
September 1 to December 31, 1991
(Nos. 555396 to 559358)
Plant Inventory No. 200 is a listing of plant materials introduced into the U.S. National Plant Germplasm System during calendar year 1991. The Inventory is divided into three parts that encompass PI numbers 546349 – 559358. 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 555396 to 555399. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Leffel, R.C., Agricultural Research Service -- USDA, Soybean and Alfalfa Research Laboratory, Beltsville, Maryland, United States. **remarks:** BARC-6, BARC-7, BARC-8, BARC-9 High Protein Soybean Germplasms. Received August 26, 1991.

PI 555396
**origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Soybean and Alfalfa Research Laboratory, Beltsville, Maryland 20705. **cultivar:** BARC-6. **pedigree:** CX797-21 X D76-8070. CX797-21 is from 'Cutler 71' (3) X 'Pando'. D76-8070 was derived from intercrosses of selections from four crosses: 'Hill' X 'Sioux', FC31745 X D49-2510, Hill X PI 96983, and D49-2491 (4) X PI 163453. **other id:** GP-127. **group:** CSR-SOYBEAN. **remarks:** High-protein, lower oil (506 and 157g kg-1 respectively) soybean of Group III maturity with indeterminate stem. Seed yellow with black hila. Flowers purple. Pods brown. Pubescence tawny. Seed size, plant height, and lodging score averaged 190mg sd-1, 100cm, and 2.8 (intermediate), respectively. Breeding Material. Seed.

PI 555397
**origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Soybean and Alfalfa Research Laboratory, Beltsville, Maryland 20705. **cultivar:** BARC-7. **pedigree:** CX797-21 X D80-6931. CX797-21 is from 'Cutler 71' (3) X 'Pando'. D80-6931 is from 'Tracy' (4) X PI86490. **other id:** GP-128. **group:** CSR-SOYBEAN. **remarks:** High-protein, lower oil (491 and 148g kg-1 respectively) soybean of Group IVS maturity with determinate stem. Seed yellow with black hila. Flowers purple. Pubescence tawny (near grey?). Pods tan and brown. Seed size, plant height, and lodging score averaged 160mg sd-1, 80cm, and 2.2 respectively. Breeding Material. Seed.

PI 555398
**origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Soybean and Alfalfa Research Laboratory, Beltsville, Maryland 20705. **cultivar:** BARC-8. **pedigree:** CX797-21 X NC-2-62. CX797-21 is from 'Cutler 71' (3) X 'Pando'. NC-2-62 is a subline of the high-protein germplasm population, NC-2, developed by seven cycles of recurrent selection (Crop Sci 26: 211.1986.). **other id:** GP-129. **group:** CSR-SOYBEAN. **remarks:** High-protein, lower oil (528 and 148g kg-1 respectively) soybean of Group V maturity with determinate stem. Seed yellow with black hila. Flowers white. Pods tan. Pubescence tawny. Seed size, plant height, and lodging score averaged 130mg sd-1, 75cm and 1.8, respectively. Breeding Material. Seed.
PI 555399 origin: United States. origin institute: Agricultural Research Service -- USDA, Soybean and Alfalfa Research Laboratory, Beltsville, Maryland 20705. cultivar: BARC-9. pedigree: CX797-21 X NC-2-62. CX797-21 is from 'Cutler 71' (3) X 'Pando'. NC-2-62 is a subline of the high-protein germplasm population, NC-2, developed by seven cycles of recurrent selection (Crop Sci 26: 211.1986.). other id: GP-130. group: CSR-SOYBEAN. remarks: High-protein, lower oil (529 and 147g kg-1 respectively) soybean of Group IVS maturity with indeterminate stem. Seed yellow with black hila. Flowers white. Pods tan. Pubescence tawny. Seed size, plant height, and lodging score averaged 160mg sd-1, 115cm and 3.0, respectively. Breeding Material. Seed.

PI 555400. Phoenix dactylifera L. ARECACEAE Date

Donated by: Sniff, D.G., Brawley, California, United States. Received January 01, 1978.

origin: United States. cultivar: ABADA. other id: 78-13. remarks: Name created from first names of Dr. and Mrs. Sniff (Abby and Dana), Indio, California. Black, soft and melting, flavor very sweet and rather cloying, early ripening. Female plant. Perennial. Cutting.

PI 555401 to 555404. Phoenix dactylifera L. ARECACEAE Date

Donated by: U.S. Date and Citrus Station, Indio, California, United States. Received January 01, 1964.


PI 555405 to 555409. Phoenix dactylifera L. ARECACEAE Date

Donated by: U.S. Date and Citrus Station, Indio, California, United States. Received January 01, 1966.
PI 555405 to 555409-continued

PI 555405  
origin: United States.  
cultivar: AMIR HAJJ BC2.  
other id: 66-11-50.  
remarks: Male plant.  
Perennial.  
Seed.

PI 555406  
origin: United States.  
cultivar: AMIR HAJJ BC2.  
other id: 66-11-52.  
remarks: Male plant.  
Perennial.  
Seed.

PI 555407  
origin: United States.  
cultivar: ZAHIDI BC2.  
other id: 66-14-50.  
remarks: Male plant.  
Perennial.  
Seed.

PI 555408  
origin: United States.  
cultivar: ZAHIDI BC2.  
other id: 66-14-52.  
remarks: Male plant.  
Perennial.  
Seed.

PI 555409  
origin: United States.  
cultivar: ZAHIDI BC2.  
other id: 66-15-51.  
remarks: Male plant.  
Perennial.  
Seed.

PI 555410 to 555411. Phoenix dactylifera L.  ARECACEAE  Date

Donated by: U.S. Date and Citrus Station, Indio, California, United States.  Received January 01, 1978.

PI 555410  
origin: United States.  
other id: 78-7.  
remarks: Many inflorescences, flowers late.  
Pollen good for use on Deglet Noor, induces large fruit but late ripening.  
Produces several offshoots per palm.  
Male plant.  
Perennial.  
Seed.

PI 555411  
origin: United States.  
cultivar: FARD #4.  
other id: 78-10.  
remarks: Pollen induces early ripening/hastens ripening on late inflorescences, but results in small fruit.  
Not as vigorous as some males.  
Pollen yield average, inflorescences relatively small.  
Flowers midseason.  
Low and high offshoots.  
Male plant.  
Perennial.  
Cutting.

PI 555412 to 555414. Phoenix dactylifera L.  ARECACEAE  Date

Donated by: U.S. Date and Citrus Station, Indio, California, United States.  Received January 01, 1960.

PI 555412  
origin: United States.  
cultivar: BARHEE BC3.  
other id: 60-270-9.  
remarks: Male plant.  
Perennial.  
Seed.

PI 555413  
origin: United States.  
cultivar: DAYRI BC2.  
other id: 60-271-2.  
remarks: Male plant.  
Perennial.  
Seed.

PI 555414  
origin: United States.  
cultivar: DAYRI BC2.  
other id: 60-271-7.  
remarks: Male plant.  
Perennial.  
Seed.
PI 555415 to 555418. Phoenix dactylifera L. ARECACEAE Date

**PI 555415**  

**PI 555416**  

**PI 555417**  

**PI 555418**  

PI 555419. Phoenix dactylifera L. ARECACEAE Date

**Donated by:** U.S. Date and Citrus Station, Indio, California, United States.  Received January 01, 1974.


PI 555420. Phoenix dactylifera L. ARECACEAE Date

**Donated by:** Boyer Gardens, Indio, California, United States.  Received March 01, 1968.


PI 555421. Phoenix dactylifera L. ARECACEAE Date

**Donated by:** Sunipalms (Crane ranch), Indio, California, United States.  Received January 01, 1978.


PI 555422 to 555423. Phoenix dactylifera L. ARECACEAE Date

**Donated by:** U.S. Date and Citrus Station, Indio, California, United States.  Received January 01, 1961.
PI 555422 to 555423-continued


PI 555424 to 555431.  Phoenix dactylifera L.  ARECACEAE  Date

Donated by: U.S. Date and Citrus Station, Indio, California, United States. Received January 01, 1971.


PI 555431
- **origin**: United States.  
- **pedigree**: Thoory x Khadrawy.  
- **other id**: 71-11-21.  

PI 555432 to 555440. *Phoenix dactylifera L.* **ARECACEAE** Date

**Donated by**: U.S. Date and Citrus Station, Indio, California, United States. Received January 01, 1969.

PI 555432
- **origin**: United States.  
- **cultivar**: DEGLET NOOR BC5.  
- **other id**: 69-150-52.  
- **remarks**: Male plant. Perennial. Seed.

PI 555433
- **origin**: United States.  
- **cultivar**: DEGLET NOOR BC5.  
- **other id**: 69-150-50.  
- **remarks**: Male plant. Perennial. Seed.

PI 555434
- **origin**: United States.  
- **cultivar**: HALAWY BC4.  
- **other id**: 69-152-50.  
- **remarks**: Male plant. Perennial. Seed.

PI 555435
- **origin**: United States.  
- **cultivar**: KHADRAWY BC4.  
- **other id**: 69-154-28.  
- **remarks**: Male plant. Perennial. Seed.

PI 555436
- **origin**: United States.  
- **cultivar**: KHALASA BC2.  
- **other id**: 69-155-51.  

PI 555437
- **origin**: United States.  
- **pedigree**: Khalasa x Khalasa (61-411-2).  
- **other id**: 69-155-14.  

PI 555438
- **origin**: United States.  
- **cultivar**: MEDJOOL BC4.  
- **other id**: 69-156-52.  
- **remarks**: Male plant. Perennial. Seed.

PI 555439
- **origin**: United States.  
- **cultivar**: MEDJOOL BC3.  
- **other id**: 69-157-51.  
- **remarks**: Male plant. Perennial. Seed.

PI 555440
- **origin**: United States.  
- **cultivar**: TAZIZOOT BC3.  
- **other id**: 69-158-51.  
- **remarks**: Male plant. Perennial. Seed.

PI 555441. *Phoenix dactylifera L.* **ARECACEAE** Date

**Received**.

- **origin**: UNKNOWN.  
- **cultivar**: HILALI.  
- **other id**: 58-352-1.  
PI 555442. Phoenix dactylifera L. ARECACEAE Date

**Donated by:** Hayes, B.H., U.S. Date and Citrus Station, Indio, California, United States. Received January 01, 1924.


PI 555443. Phoenix dactylifera L. ARECACEAE Date

**Donated by:** Brown, Tom, Coachella, California, United States. Received January 01, 1978.


PI 555444. Phoenix dactylifera L. ARECACEAE Date

**Donated by:** U.S. Date and Citrus Station, Indio, California, United States. Received January 01, 1963.


PI 555445. Phoenix dactylifera L. ARECACEAE Date

**Donated by:** U.S. Date and Citrus Station, Indio, California, United States. Received January 01, 1962.


PI 555446. Phoenix dactylifera L. ARECACEAE Date

**Donated by:** U.S. Date and Citrus Station, Brawley, California, United States. Received January 01, 1971.

PI 555447 to 555448. Phoenix dactylifera L. ARECACEAE Date

Donated by: U.S. Date and Citrus Station, Brawley, California, United States. Received January 01, 1978.


PI 555449. Hordeum vulgare L. POACEAE Barley


PI 555450. Medicago sativa L. FABACEAE Alfalfa


PI 555451. Medicago sativa L.  
FABACEAE  
Alfalfa

**Donated by:** Caddel, J.L., Oklahoma Agr. Exp. Sta., Oklahoma State University, Stillwater, Oklahoma, United States.  
**remarks:** OK 51  
Alfalfa Germplasm. Received September 10, 1991.

**origin:** United States.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Oklahoma 74078-0507.  
**cultivar:** OK 51.  
**pedigree:** Selection from WL 314.  
**other id:** GP-257.  
**group:** CSR-ALFALFA.  
**remarks:** Moderately fall dormant. Flower color >99% purple and <1% variegated. Growth habit erect in mid-summer and semi-erect in fall. Susceptible to Aphanomyces root rot (Aphanomyces euteiches) and anthracnose (Race 1) (Colletotrichum trifolii). Resistance to spotted alfalfa aphid (Therioaphis maculata) and blue alfalfa aphid (Acyrthosiphon kondoi) collected in Oklahoma, fusarium wilt (Fusarium oxysporum). Perennial. Breeding Material. Seed.

PI 555452. Medicago sativa L.  
FABACEAE  
Alfalfa

**Donated by:** Caddel, J.L., Oklahoma Agr. Exp. Sta., Oklahoma State University, Stillwater, Oklahoma, United States.  
**remarks:** OK 85  
Alfalfa Germplasm. Received September 10, 1991.

**origin:** United States.  
**origin institute:** Oklahoma Agr. Exp. Sta., Oklahoma State University, Stillwater, Oklahoma 74078-0507.  
**cultivar:** OK 85.  
**pedigree:** Selection from 23 cultivars.  
**other id:** GP-258.  
**group:** CSR-ALFALFA.  
**remarks:** Moderately fall dormant. Flower color 95% purple, 3% variegated and 2% yellow or cream. Growth habit erect in mid-summer and semi-erect in fall. Susceptible to Aphanomyces root rot (A. euteiches) and anthracnose (Race 1) (Colletotrichum trifolii). Resistance to spotted alfalfa aphid (Therioaphis maculata) and blue alfalfa aphid (Acyrthosiphon kondoi) collected in Oklahoma and fusarium. Perennial. Breeding Material. Seed.

PI 555453. Glycine max (L.) Merr.  
FABACEAE  
Soybean

**Donated by:** Shipe, E.R., South Carolina Agr. Exp. Sta., Clemson University, Clemson, South Carolina, United States.  
**remarks:** Hagood Soybean. Received September 10, 1991.
PI 555453-continued


PI 555454. Beta vulgaris L.  CHENOPODIACEAE Sugar beet

Donated by: Campbell, L.G., Agricultural Research Service -- USDA, Northern Crop Science Lab., Fargo, North Dakota, United States. Received September 10, 1991.

origin: United States.  origin institute: Agricultural Research Service -- USDA, Northern Crop Science Lab., Fargo, North Dakota 58105-5677.  cultivar: F1011.  pedigree: Selected (six cycles) from PI 266100 (originally from Poland).  other id: GP-134.  group: CSR-SUGARBEET.  remarks: 167 accessions of the NC-7 Beta collection were screened for high sucrose concentration. High sucrose individuals from lines with above average sucrose were selected for 6 cycles. Hypocotyls pink. Seed multigerm. Sucrose concentration was 1.2% greater than Ultramono, a commercial hybrid. Root yield was 60% of Ultramono. Biennial. Breeding Material. Seed.

PI 555455. Phaseolus vulgaris L.  FABACEAE Garden bean

Donated by: Nunhems Seed Corporation, United States. Received September 11, 1991.


PI 555456. Sorghum bicolor (L.) Moench  POACEAE Sorghum

PI 555456-continued


PI 555457. Sorghum bicolor (L.) Moench POACEAE Sorghum


PI 555458. Triticum aestivum L. POACEAE Wheat


PI 555459. Dactylis glomerata L. POACEAE Orchardgrass

Donated by: University of Missouri, Missouri, United States. Received September 11, 1991.


PI 555460. Lactuca sativa L. ASTERACEAE Lettuce


PI 555461. Lactuca sativa L. ASTERACEAE Lettuce

**Donated by:** Genecorp, Inc., United States. Received September 11, 1991.

**origin:** United States. **origin institute:** Genecorp, Inc.. **cultivar:** BASORE 920. **other id:** PVP 9100247. **source:** Pending. **group:** PVPO. Cultivar. Seed.

PI 555462. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Dekalb Plant Genetics, United States. Received September 11, 1991.

**origin:** United States. **origin institute:** Dekalb Plant Genetics. **cultivar:** F118. **other id:** PVP 9100248. **source:** Pending. **group:** PVPO. Cultivar. Seed.

PI 555463. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Ziller Seed Farms, Inc., United States. Received September 11, 1991.

**origin:** United States. **origin institute:** Ziller Seed Farms, Inc.. **cultivar:** BT1422. **other id:** PVP 9100249. **source:** Pending. **group:** PVPO. Cultivar. Seed.

PI 555464. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Ziller Seed Farms, Inc., United States. Received September 11, 1991.

**origin:** United States. **origin institute:** Ziller Seed Farms, Inc.. **cultivar:** BT 2877. **other id:** PVP 9100250. **source:** Pending. **group:** PVPO. Cultivar. Seed.

PI 555465. Triticum aestivum L. POACEAE Wheat

**Donated by:** Ohio State University - OARDC, Ohio, United States. Received September 11, 1991.

**origin:** United States. **origin institute:** Ohio State University - OARDC, Ohio. **cultivar:** EXCEL. **other id:** PVP 9100251. **source:** Pending. **group:** PVPO. Cultivar. Seed.
PI 555466. Brassica napus L. BRASSICACEAE Rape


PI 555467. Brassica napus L. BRASSICACEAE Rape


PI 555468. Nicotiana acaulis Speg. SOLANACEAE

Received.


PI 555469. Nicotiana acuminata (Graham) Hook. SOLANACEAE


PI 555470. Nicotiana acuminata (Graham) Hook. SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received.

origin: UNKNOWN. other id: TW 3. other id: 2A. Annual. Wild. Seed.

PI 555471. Nicotiana acuminata (Graham) Hook. SOLANACEAE

Received.

PI 555472. *Nicotiana africana* Merxm. SOLANACEAE


*origin:* UNKNOWN, other id: TW 6, other id: 71. Annual. Wild. Seed.

PI 555473. *Nicotiana alata* Link & Otto SOLANACEAE

*Donated by:* Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1961.

*origin:* UNKNOWN, other id: TW 9, other id: 5926. Annual. Wild. Seed.

PI 555474. *Nicotiana alata* Link & Otto SOLANACEAE

*Donated by:* Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555475. *Nicotiana arentsii* Goodsp. SOLANACEAE

*Donated by:* Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1974.


PI 555476. *Nicotiana attenuata* Torrey ex S. Watson SOLANACEAE

*Donated by:* Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.


PI 555477. *Nicotiana benavidesii* Goodsp. SOLANACEAE

*Donated by:* Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1974.

PI 555478. Nicotiana benthamiana Domin SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555479 to 555484. Nicotiana bigelovii (Torrey) S. Watson SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1961.


PI 555485 to 555487. Nicotiana bigelovii (Torrey) S. Watson SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555488. Nicotiana bigelovii (Torrey) S. Watson SOLANACEAE

Donated by: Jares, T., Dept. of Plant Pathology, Cornell Univ., 334 Plant Science Bldg., Ithaca, New York, United States. Received 1983.
PI 555488-continued


PI 555489. Nicotiana bonariensis Lehm. SOLANACEAE

    Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.


PI 555490. Nicotiana clevelandii A. Gray SOLANACEAE

    Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1961.


PI 555491. Nicotiana clevelandii A. Gray SOLANACEAE

    Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555492. Nicotiana clevelandii A. Gray SOLANACEAE

    Donated by: Plant Virus Indicator Col, UNKNOWN. Received 1975.

    origin: UNKNOWN. other id: TW 32. other id: GRAY. Annual. Wild. Seed.

PI 555493. Nicotiana cordifolia Philippi SOLANACEAE

    Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555494. Nicotiana cordifolia Philippi SOLANACEAE

PI 555495 to 555498. Nicotiana debneyi Domin SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1961.


PI 555496 origin: UNKNOWN. other id: TW 42. other id: 5951. Annual. Wild. Seed.


PI 555498 origin: UNKNOWN. other id: TW 44. other id: 5955. Annual. Wild. Seed.

PI 555499. Nicotiana debneyi Domin SOLANACEAE

Donated by: Plant Virus Indicator Col, UNKNOWN. Received 1975.


PI 555500. Nicotiana exigua Wheeler SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555501. Nicotiana forgetiana Hort. ex Hemsley SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.

origin: UNKNOWN. other id: TW 50. other id: 21A. Annual. Wild. Seed.

PI 555502. Nicotiana forgetiana Hort. ex Hemsley SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.
PI 555502-continued


PI 555503. Nicotiana fragrans Hook. SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.


PI 555504. Nicotiana glauca Graham SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555505 to 555506. Nicotiana glutinosa L. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1961.


PI 555507. Nicotiana glutinosa L. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555508 to 555509. Nicotiana glutinosa L. SOLANACEAE

Donated by: Plant Virus Indicator Col, UNKNOWN. Received 1976.


PI 555509 origin: UNKNOWN. other id: TW 64. Annual. Wild. Seed.
PI 555510. Nicotiana glutinosa L. SOLANACEAE

**Donated by:** Plant Virus Indicator Col, UNKNOWN. Received 1975.

origin: UNKNOWN. other id: TW 59. other id: 24A. Annual. Wild. Seed.

PI 555511. Nicotiana glutinosa L. SOLANACEAE

**Donated by:** Plant Virus Indicator Col, UNKNOWN. Received 1979.


PI 555512. Nicotiana glutinosa L. SOLANACEAE

**Donated by:** Jares, T., Dept. of Plant Pathology, Cornell Univ., 334 Plant Science Bldg., Ithaca, New York, United States. Received 1983.


PI 555513 to 555514. Nicotiana hybrid SOLANACEAE

**Donated by:** Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1961.

PI 555513 origin: UNKNOWN. **pedigree:** TABACUM X GLUTINOSA. other id: TH 44. other id: 5983. Annual. Cultivated. Seed.

PI 555514 origin: UNKNOWN. **pedigree:** TABACUM X GLAUC. other id: TH 45. other id: 5984. Annual. Cultivated. Seed.

PI 555515 to 555524. Nicotiana hybrid SOLANACEAE

**Donated by:** Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555515 to 555524—continued


PI 555525. Nicotiana hybrid SOLANACEAE
   Donated by: North Carolina USDA, ARS, North Carolina, United States. Received 1970.

PI 555526. Nicotiana hybrid SOLANACEAE
   Donated by: Plant Virus Indicator Col, UNKNOWN. Received 1976.

PI 555527. Nicotiana knightiana Goodsp. SOLANACEAE
   Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.

PI 555528. Nicotiana langsdorffii J. A. Weinm. SOLANACEAE
   Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1961.
PI 555529. Nicotiana langsdorffii J. A. Weinm. SOLANACEAE  
**Donated by:** North Carolina USDA, ARS, North Carolina, United States. Received 1978.  
*origin: UNKNOWN. other id: TW 75. other id: 28B. Annual. Wild. Seed.*

PI 555530. Nicotiana linearis Philippi SOLANACEAE  
**Donated by:** Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.  

PI 555531 to 555532. Nicotiana longiflora Cav. SOLANACEAE  
**Donated by:** Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.  
PI 555531 *origin: UNKNOWN. other id: TW 78. other id: 30. Annual. Wild. Seed.*  
PI 555532 *origin: UNKNOWN. other id: TW 79. other id: 30A. Annual. Wild. Seed.*

PI 555533 to 555534. Nicotiana longiflora Cav. SOLANACEAE  
**Donated by:** North Carolina Agr. Exp. Sta., North Carolina, United States. Received 1977.  
PI 555533 *origin: UNKNOWN. other id: TW 80. other id: 30B. Annual. Wild. Seed.*  
PI 555534 *origin: UNKNOWN. other id: TW 81. other id: 30C. Annual. Wild. Seed.*

PI 555535. Nicotiana maritima Wheeler SOLANACEAE  
**Donated by:** Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.  
*origin: UNKNOWN. other id: TW 82. other id: 31. Annual. Wild. Seed.*
PI 555536. Nicotiana megalosiphon Van Heurck & Mull. Arg. SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.


PI 555537. Nicotiana miersii J. Remy SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555538. Nicotiana nesophila I. M. Johnst. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.

origin: UNKNOWN. other id: TW 86. other id: 34. Annual. Wild. Seed.

PI 555539. Nicotiana nesophila I. M. Johnst. SOLANACEAE


origin: UNKNOWN. other id: TW 87. other id: 34A. Annual. Wild. Seed.

PI 555540. Nicotiana nudicaulis S. Watson SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.


PI 555541. Nicotiana occidentalis Wheeler SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.

PI 555542. Nicotiana otophora Griseb. SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.


PI 555543. Nicotiana palmeri A. Gray SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.


PI 555544. Nicotiana paniculata L. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1961.


PI 555545. Nicotiana paniculata L. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555546. Nicotiana pauciflora J. Remy SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.


PI 555547. Nicotiana petunioides (Griseb.) Millan SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.

origin: UNKNOWN. other id: TW 105. other id: 42. Annual. Wild. Seed.
PI 555548. Nicotiana plumbaginifolia Viv. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.

origin: UNKNOWN. other id: TW 106. other id: 43A.
Annual. Wild. Seed.

PI 555549. Nicotiana raimondii Macbr. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.

origin: UNKNOWN. other id: TW 109. other id: 45.
Annual. Wild. Seed.

PI 555550. Nicotiana raimondii Macbr. SOLANACEAE


origin: UNKNOWN. other id: TW 102. other id: 40C.
Annual. Wild. Seed.

PI 555551. Nicotiana repanda Willd. ex Lehm. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1961.

origin: UNKNOWN. other id: TW 111. other id: 5930.
Annual. Wild. Seed.

PI 555552. Nicotiana repanda Willd. ex Lehm. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.

origin: UNKNOWN. other id: TW 110. other id: 46.
Annual. Wild. Seed.

PI 555553. Nicotiana rotundifolia Lindley SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.

origin: UNKNOWN. other id: TW 114. other id: 47.
Annual. Wild. Seed.
PI 555554 to 555555. Nicotiana rustica L. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.


PI 555555 origin: UNKNOWN. other id: TW 118. other id: 49. Annual. Wild. Seed.

PI 555556. Nicotiana rustica L. SOLANACEAE

Donated by: Plant Virus Indicator Col, UNKNOWN. Received 1975.


PI 555557. Nicotiana setchellii Goodsp. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1978.


PI 555558. Nicotiana solanifolia Walp. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1978.

origin: UNKNOWN. other id: TW 123. other id: 52. Annual. Wild. Seed.

PI 555559. Nicotiana spegazzinii Millan SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1964.

origin: UNKNOWN. other id: TW 125. other id: GRB. Annual. Wild. Seed.

PI 555560. Nicotiana stocktonii T. S. Brandegee SOLANACEAE

Donated by: Sisson, V., USDA, ARS, Tobacco Research Laboratory, Oxford, North Carolina, United States. Received 1977.

PI 555561. Nicotiana suaveolens Lehm. SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1968.

origin: UNKNOWN. other id: TW 133. other id: 5974.
Annual. Wild. Seed.

PI 555562 to 555564. Nicotiana suaveolens Lehm. SOLANACEAE

Donated by: Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1961.

PI 555562 origin: UNKNOWN. other id: TW 132. other id: 5924.
Annual. Wild. Seed.

PI 555563 origin: UNKNOWN. other id: TW 134. other id: 5976.
Annual. Wild. Seed.

PI 555564 origin: UNKNOWN. other id: TW 135. other id: 5977.
Annual. Wild. Seed.

PI 555565. Nicotiana suaveolens Lehm. SOLANACEAE

Donated by: Beltsville USDA, ARS, Beltsville, Maryland, United States. Received .

origin: UNKNOWN. other id: TW 127. other id: 18.
Annual. Wild. Seed.

PI 555566. Nicotiana suaveolens Lehm. SOLANACEAE

Donated by: North Carolina USDA, ARS, North Carolina, United States. Received 1970.

origin: UNKNOWN. other id: TW 129. other id: 55A.
Annual. Wild. Seed.

PI 555567 to 555568. Nicotiana suaveolens Lehm. SOLANACEAE


PI 555567 origin: Zimbabwe. other id: TW 130. other id: 55B.
Annual. Wild. Seed.

PI 555568 origin: Belgium. other id: TW 131. other id: 55C.
Annual. Wild. Seed.
PI 555569. Nicotiana sylvestris Speg. & O. Comes SOLANACEAE

**Donated by:** Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.

- **origin:** UNKNOWN.  
- **other id:** TW 136.  
- **other id:** 56.  
- **Annual.**  
- **Wild.**  
- **Seed.**

PI 555570. Nicotiana sylvestris Speg. & O. Comes SOLANACEAE

**Donated by:** Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.

- **origin:** UNKNOWN.  
- **other id:** TW 137.  
- **other id:** 56A.  
- **Annual.**  
- **Wild.**  
- **Seed.**

PI 555571. Nicotiana sylvestris Speg. & O. Comes SOLANACEAE

**Donated by:** Plant Virus Indicator Col, UNKNOWN. Received 1976.

- **origin:** UNKNOWN.  
- **other id:** TW 138.  
- **Annual.**  
- **Wild.**  
- **Seed.**

PI 555572. Nicotiana tomentosiformis Goodsp. SOLANACEAE

**Donated by:** Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.

- **origin:** UNKNOWN.  
- **other id:** TW 142.  
- **other id:** 59.  
- **Annual.**  
- **Wild.**  
- **Seed.**

PI 555573. Nicotiana trigonophylla Dunal SOLANACEAE

**Donated by:** Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.

- **origin:** UNKNOWN.  
- **other id:** TW 143.  
- **other id:** 60.  
- **Annual.**  
- **Wild.**  
- **Seed.**

PI 555574. Nicotiana undulata Ruiz Lopez & Pavon SOLANACEAE

**Donated by:** Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1962.

- **origin:** UNKNOWN.  
- **other id:** TW 145.  
- **other id:** 61A.  
- **Annual.**  
- **Wild.**  
- **Seed.**
PI 555575. Nicotiana undulata Ruiz Lopez & Pavon SOLANACEAE

**Donated by:** North Carolina USDA, ARS, North Carolina, United States. Received 1970.

- origin: UNKNOWN. other id: TW 146. other id: 61B.

PI 555576 to 555577. Nicotiana x sanderae Will. Watson SOLANACEAE

**Donated by:** Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1961.

- PI 555576 origin: UNKNOWN. other id: TW 156. other id: 5931.
- PI 555577 origin: UNKNOWN. other id: TW 157. other id: 5972.

PI 555578. Nicotiana x sanderae Will. Watson SOLANACEAE

**Donated by:** Beltsville USDA, ARS, Beltsville, Maryland, United States. Received 1977.

- origin: UNKNOWN. other id: TW 152. other id: 50A.

PI 555579 to 555581. Nicotiana x sanderae Will. Watson SOLANACEAE

**Donated by:** North Carolina Agr. Exp. Sta., North Carolina, United States. Received 1977.

- PI 555579 origin: UNKNOWN. other id: TW 153. other id: 50B.
- PI 555580 origin: UNKNOWN. other id: TW 154. other id: 50C.
- PI 555581 origin: UNKNOWN. other id: TW 155. other id: 50D.

PI 555582 to 555585. Hordeum vulgare L. POACEAE Barley

**Donated by:** Kolding, M.F., Oregon Agr. Exp. Sta., 1910 SW 44, Pendleton, Oregon, United States. Received September 20, 1991.


PI 555585. Triticum aestivum L.  POACEAE  Common wheat


origin: United States. origin institute: Wisconsin Agr. Exp. Sta., University of Wisconsin, Madison, Wisconsin 53706. cultivar: GLACIER. pedigree: OH 112/Argee/2/Argee. other id: X1625-1-1. remarks: Bearded, white-chaffed, soft, red winter variety. Higher grain yield averages than both Agree and Merrimac while retaining the high level of winterhardiness typical of Agree and Merrimac. 2-4 days earlier, 2-5 inches shorter, and has stiffer straw than Agree and Merrimac. Excellent milling and baking quality. Excellent winterhardiness. High resistance to leaf rust, the barley yellow dwarf. Winter Annual. Cultivar. Seed.

PI 555587. Desmanthus illinoensis (Michaux) MacMillan ex Robinson & Fern.  FABACEAE

Donated by: Sperling, C.R., National Germplasm Resources Lab, USDA-ARS, Rm. 329, B-001, Beltsville, Maryland, United States. Received September 12, 1991.
PI 555587-continued

locality: In moist sand along lake shore where spring wind driven ice disturbs soil. Approx. 4.8km E of town of Herman on State Hwy. #27, SE corner of Long Lake, Grant County, Minnesota. (SE1/4, SW1/4 Sec. 8 T127N R43W).
remarks: Plants to 2ft. tall, few producing seed. Growing among Scirpus sp. and Bidens sp. Infrequent at this site, the northernmost for the species, and rare in the region. Herbarium voucher no. 4184 collected 08/17/78 by C.R. Sperling. Wild. Seed.

PI 555588 to 555596. Abelmoschus esculentus (L.) Moench MALVACEAE
Okra

Donated by: Hamon, S., Laboratoire de Genetique,, Centre d'Adiopodoume, ORSTOM, Abidjan, Ivory Coast. remarks: Received through IBPGR, Rome, Italy. Received June 28, 1989.

PI 555588 donor id: ORS 2915. origin: Sudan. Seed.
PI 555593 donor id: ORS 2974. origin: Nigeria. Seed.
PI 555596 donor id: ORS 3043. origin: Nigeria. locality: Ibadan, Oyo Province. latitude: 07 deg. 22 min. N. longitude: 003 deg. 51 min. E. Seed.
PI 555597. Capsicum sp. SOLANACEAE

Donated by: Fery, R.L., USDA/ARS/SAA, U.S. Vegetable Laboratory, 2875 Savannah Highway, Charleston, South Carolina, United States. Received September 04, 1991.


PI 555598 to 555600. Capsicum annuum L. SOLANACEAE Pepper

Donated by: Vegetable and Flower Research Institute, Beijing, China. Received September 04, 1991.


PI 555601 to 555604. Solanum melongena L. SOLANACEAE Eggplant

Donated by: Vegetable and Flower Research Institute, Beijing, China. Received September 04, 1991.

PI 555601 donor id: II6B0033. origin: China. cultivar: HU SHI DENG PAO QIE. Cultivar. Seed.


PI 555605. Canavalia ensiformis (L.) DC. FABACEAE Jackbean


origin: United States. cultivar: TENNESSEE RIVER BEAN. Cultivar. Seed.
PI 555606. Luffa sp. CUCURBITACEAE

Donated by: DeCourley, C., Univ. of Missouri - Columbia, Univ. Extension, Dept. of Hort., 1-40 Agriculture Bldg., Columbia, Missouri, United States. Received September 04, 1991.


PI 555607 to 555609. Vigna mungo (L.) Hepper FABACEAE Black gram

Donated by: Iizuka, M., Chiba University, Faculty of Horticulture, Matsudo-shi, Chiba-Ken, Japan. remarks: Received through the IBPGR Sponsored Multicrops Collection Mission to Nepal, 1984 - 1985. Received September 04, 1991.


PI 555610. Vigna umbellata (Thunb.) Ohwi & H. Ohashi FABACEAE Ricebean

Donated by: Iizuka, M., Chiba University, Faculty of Horticulture, Matsudo-shi, Chiba-Ken, Japan. remarks: Received through the IBPGR Sponsored Multicrops Collection Mission to Nepal, 1984 - 1985. Received September 04, 1991.


PI 555611. Capsicum annuum L. SOLANACEAE Bell pepper

Donated by: Bosland, P.W., New Mexico State University, College of Agric. & Home Economics, Dept. of Agron. & Hort., Box 30003, Las Cruces, New Mexico, United States. Received September 04, 1991.
PI 555611-continued


PI 555612. Capsicum chacoense Hunz. SOLANACEAE

Donated by: Bosland, P.W., New Mexico State University, College of Agric. & Home Economics, Dept. of Agron. & Hort., Box 30003, Las Cruces, New Mexico, United States. Received September 04, 1991.


PI 555613 to 555649. Capsicum sp. SOLANACEAE

Donated by: Bosland, P.W., New Mexico State University, College of Agric. & Home Economics, Dept. of Agron. & Hort., Box 30003, Las Cruces, New Mexico, United States. Received September 04, 1991.


* PI 555649 Capsicum annum L. SOLANACEAE

PI 555650. Zea mays L. subsp. mays POACEAE Corn

   Donated by: Dekalb Plant Genetics, United States. Received October 01, 1991.
PI 555650-continued

**origin**: United States. **origin institute**: Dekalb Plant Genetics. **cultivar**: LIBC 4. **other id**: PVP 9100255. **source**: Pending. **group**: PVPO. Cultivar. Seed.

PI 555651. Zea mays L. subsp. mays POACEAE Corn

**Donated by**: Dekalb Plant Genetics, United States. Received October 01, 1991.

**origin**: United States. **origin institute**: Dekalb Plant Genetics. **cultivar**: 83IBI3. **other id**: PVP 9100256. **source**: Pending. **group**: PVPO. Cultivar. Seed.

PI 555652. Festuca arundinacea Schreber POACEAE Tall fescue

**Donated by**: Seed Research of Oregon, Inc., Oregon, United States. Received October 01, 1991.


PI 555653. Lactuca sativa L. ASTERACEAE Lettuce (cos)

**Donated by**: Royal Sluis, Netherlands. Received October 01, 1991.

**origin**: Netherlands. **origin institute**: Royal Sluis. **cultivar**: BAUTISTA. **other id**: PVP 9100259. **source**: Pending. **group**: PVPO. Cultivar. Seed.

PI 555654. Lolium perenne L. POACEAE Perennial ryegrass


**origin**: United States. **origin institute**: Olsen - Fennell Seeds, Inc.. **cultivar**: BOARDWALK. **other id**: PVP 9100260. **source**: Pending. **group**: PVPO. Cultivar. Seed.

PI 555655. Lolium perenne L. POACEAE Perennial ryegrass

PI 555655-continued


PI 555656. Allium cepa L. LILIACEAE Onion


PI 555657. Buchloe dactyloides (Nutt.) Engelm. POACEAE Buffalograss


PI 555658. Poa pratensis L. POACEAE Kentucky bluegrass


PI 555659. Zea mays L. subsp. mays POACEAE Corn


PI 555660. Zea mays L. subsp. mays POACEAE Corn

Received October 01, 1991.


PI 555661. Gossypium hirsutum L. MALVACEAE Cotton


PI 555662. Verbena x hybrida Voss VERBENACEAE Verbena

Donated by: Zaadunie B.V., Netherlands. Received October 01, 1991.


PI 555663. Verbena x hybrida Voss VERBENACEAE Verbena

Donated by: Zaadunie B.V., Netherlands. Received October 01, 1991.


PI 555664. Verbena x hybrida Voss VERBENACEAE Verbena

Donated by: Zaadunie B.V., Netherlands. Received October 01, 1991.

PI 555665. Phaseolus vulgaris L. FABACEAE


PI 555666. Avena sativa L. POACEAE Common oat


PI 555667. Medicago sativa L. FABACEAE Alfalfa

PI 555667-continued

origin: United States. origin institute: Agricultural Research Service -- USDA, Kansas State University, Manhattan, Kansas 66506. cultivar: KS219. pedigree: Graham M6P3AN3 / Riley M4P4AN2. other id: GP-256. group: CSR-ALFALFA. remarks: Resistance to anthracnose (Colletotrichum trifolii, race 1), bacterial wilt (Clavibacter michiganense), downy mildew (Peronospora trifoliorum), Fusarium wilt (Fusarium oxysporum), Phytophthora root rot (Phytophthora megasperma), blue alfalfa aphid (Acyrthosiphon Kondoi) pea aphid (Acyrthosiphon pisum), and the spotted alfalfa aphid (Theroiphis maculata). Cultivar. Seed.

PI 555668. Saccharum hybrid POACEAE Sugarcane

Donated by: Martin, F.A., Louisiana Agr. Exp. Sta., LSU Agricultural Center, Baton Rouge, Louisiana, United States; and Agricultural Research Service -- USDA; and American Sugar Cane League. remarks: LCP 82-89 Sugarcane. Received October 03, 1991.

origin: United States. origin institute: Louisiana Agr. Exp. Sta., Louisiana State University, Agricultural Center, Baton Rouge, Louisiana 70803. cultivar: LCP 82-89. pedigree: CP 52-68 / CP 72-370. Complex interspecific hybrid of Saccharum officinarum, S. spontaneum, and 'S. barberi. other id: CV-90. group: CSR-SUGARCANE. remarks: Yields well on both silt loam and clay textured soils. Superior to CP 70-321 in yield of total recoverable sugar per hectare (Kg ha-1) and yield of cane (Mg ha-1). Similar to CP 70-321 in recoverable sugar (kg Mg-1) and maturity. Produces high population of medium-sized stalks of average weight. Moderate fiber content (12.6%) and good juice extraction (79.5%). Erect in growth and well suited to. Cultivar. Plant.

PI 555669. Ulmus parvifolia Jacq. ULMACEAE

PI 555669-continued

**donor id:** NA 55344. **origin:** United States. **cultivar:** OHIO. **pedigree:** Clonal selection at the USDA Nursery Crops Res. Lab., Delaware, Ohio, from seedling population of unknown origin. **remarks:** Tree moderately vase-shaped crown similar to more upright American elm. Leaves small (avg. 38mm long x 20mm wide), turn greyed red (178A) in autumn. Fruits red purple (59A). Bark lacebark quality, mixed colors & textures. Outer bark black (202C), grey (201C), & greyed green (195A), but flakes off with age, revealing grey orange (165B) color. Cold tolerant reliability to zone 5a. Highly resistant to. Tree. Cultivar. Plant.

PI 555670. Lablab purpureus (L.) Sweet FABACEAE

**Donated by:** Dietz, S.M., Regional Plant Introduction Station, USDA-ARS, Washington State University, 59 Johnson Hall, Pullman, Washington, United States. Received September 23, 1991.

**origin:** China. **locality:** Arbor, next to the old seed storage facility, Beijing. Wild. Seed.

PI 555671 to 555681. Sorghum bicolor (L.) Moench POACEAE Grain sorghum


**origin:** United States. **cultivar:** R LINE AR 3019. **pedigree:** Selection from TAM Bulk 45, a sorghum anthracnose resistant population [Collectotrichum graminicola]. **other id:** Ark 1015. **remarks:** 3-dwarf R line that restores pollen to A(1) cytoplasm. Grain has a white and pearly pericarp, yellow endosperm, and mahogany glumes. Panicle exertion above the flag leaf (10cm), panicle type open. Plant averages 107cm in height. Flowers approximately 76 days after emergence. Seed circular in shape, flat. Stalks sturdy, juicy, and have few tillers. Relatively free of leaf diseases. Holds this resistance. Spring Annual. Breeding Material. Seed.
PI 555672  
**origin:** United States.  **cultivar:** R LINE AR 3021. 
**pedigree:** Selected from TAM Bulk 42 population.  **other id:** Ark 1009.  **remarks:** 3-dwarf R line that restores pollen to A(1) cytoplasm. Grain has a pink pericarp, starchy mesocarp, and black glumes. Plant relatively short (91cm). Flowers in 76 days after emergence. Panicle extension above the flag leaf (4cm), panicle type compact. Seed average in size, round. Grain does not thresh entirely from the glumes. Relatively free of leaf diseases at mid-anthesis but deteriorate. Spring Annual. Breeding Material. Seed.

PI 555673  
**origin:** United States.  **cultivar:** R LINE AR 3022. 
**pedigree:** Selected from TAM Bulk 45, a sorghum anthraenose resistant population [Colletotrichum graminicola].  **other id:** Ark 1020.  **remarks:** 3-dwarf R line that restores pollen to A(1) cytoplasm. Seed small, flat and thresh free of the glumes. Grain has a white and pearly pericarp, yellow endosperm, and mahogany glumes. The panicle exertion above the flag leaf (10cm), panicle type open. Plant averages 96cm in height. Flowers in 75 days after emergence. The line has been clean of all leaf diseases. Spring Annual. Breeding Material. Seed.

PI 555674  
**origin:** United States.  **cultivar:** R LINE AR 3023. 
**pedigree:** Selected from the cross Double Dwarf Early 'Shallu' X TX 7078.  **other id:** Ark 1022.  **remarks:** 3-dwarf R line that restores pollen to A(1) cytoplasm. Grain has a white and pearly pericarp, corneous endosperm, and straw colored glumes. Panicle exertion above the flag leaf (10cm), panicle type open. Plant averages 102cm in height. Flowers approximately 68 days after emergence. The line resembles the Shallus particularly the seed. This line has been clean of all leaf diseases. The stalks are very. Spring Annual. Breeding Material. Seed.

PI 555675  
**origin:** United States.  **cultivar:** R LINE AR 3024. 
**pedigree:** Selected from the cross Double Dwarf Early 'Shallu' X TX 7078.  **other id:** Ark 1043.  **remarks:** 3-dwarf R line that restores pollen to A(1) cytoplasm. Grain has a brownish white pericarp, brown testa, and straw glumes. Seed small and thresh freely from the glumes. Panicle exertion above the flag leaf (10cm), panicle type open. Plant averages 107cm in height. Flowers approximately 76 days after emergence. The head type resembles the shallus. This brown sorghum line gives hybrids excellent. Spring Annual. Breeding Material. Seed.
PI 555671 to 555681-continued

PI 555676  
**origin:** United States.  
**cultivar:** R LINE AR 3025.  
**pedigree:** Selected from IS 12664c (Temple Bulk). IS 12664c is a Zerazera.  
**other id:** Ark 604.  
**remarks:** 3-dwarf brown sorghum R line that restores pollen to A(1) cytoplasm. AR 3025 X 'Wheatland' gives a 2-dwarf hybrid. Grain has a brownish white pericarp, starchy mesocarp, and black glumes. Seed small, round and thresh freely from the glumes. Panicle exertion 2.5cm above the flag leaf, panicle type compact. Plant averages 109cm in height. Flowers in approximately 75 days after emergence. Redlan X AR 3025. Spring Annual. Breeding Material. Seed.

PI 555677  
**origin:** United States.  
**cultivar:** R LINE AR 3026.  
**pedigree:** Brown sorghum selection from the inbred line NB 9040.  
**remarks:** 3-dwarf brown sorghum R line that restores pollen to A(1) cytoplasm. Grain has brownish white pericarp, thin mesocarp, brown testa, yellow endosperm, and mahogany glumes. Seed small and thresh freely from the glumes. Panicle exertion approximately 5cm above the flag leaf, panicle type open. Plant approximately 99cm. Flowers in approximately 76 days. Stalks sturdy and juicy. Plant stands well and resembles NB. Spring Annual. Breeding Material. Seed.

PI 555678  
**origin:** United States.  
**cultivar:** R LINE AR 3030.  
**pedigree:** Selected for the dominant S factor SA 6649-7-2 (Double Dwarf 'Feterita').  
**other id:** Feterita.  
**remarks:** 3-dwarf brown sorghum R line that restores pollen to A(1) cytoplasm. Grain has brownish white pericarp, starchy mesocarp, brown testa, & straw colored glumes. Seed large, flat & thresh freely from the glumes. Panicle touches flag leaf at maturity, panicle type open. Plant height averages 89cm. Flowers in approximately 74 days after emergence. Stalk is large & sturdy. Dominant S factor or spreader. Spring Annual. Breeding Material. Seed.

PI 555679  
**origin:** United States.  
**cultivar:** B LINE AR 3033.  
**pedigree:** Maintained by selfing and selection in Redlan since its release in 1948.  
**other id:** Redlan.  
**remarks:** 3-dwarf B line that is sterilized by A(1) cytoplasm. Line not been found different from CSSA Reg. No. 102 Redlan. Pure line taken from that cultivar. Grain has pink pericarp, starchy mesocarp, & black glumes. Seed medium size & thresh easily from glumes. Panicle exertion above the flag leaf (7cm), panicle type semi-open. Plant height avg. 127cm. Flowers in approx. 78 days after emergence. Stalks sturdy,. Spring Annual. Breeding Material. Seed.
PI 555671 to 555681-continued

PI 555680  
**origin:** United States.  
**cultivar:** B LINE AR 3034.  
**pedigree:** Maintained by selfing and selection in CK 60 since its release in 1950.  
**other id:** CK 60.  
**remarks:**  
3-dwarf B line that is sterilized by A(l) cytoplasm. Line not been found different from CSSA Reg. No. 97 CK 60. Pure line taken from that cultivar. Grain has white pericarp, starchy mesocarp, & black glumes. Seed large, pointed. Panicle exertion above the flag leaf (13cm), panicle type compact. Plant avg. 122cm in height. Flowers approximately 74 days after emergence. Stalks sturdy & juicy. Similar to. Spring Annual. Breeding Material. Seed.

PI 555681  
**origin:** United States.  
**cultivar:** R LINE AR 3040.  
**pedigree:** Brown sorghum selection from the cross of IS 2403c X AR 3003.  
**other id:** Ark 1071.  

PI 555682. Nicotiana amplexicaulis N. Burb. SOLANACEAE Tobacco

Received .

**origin:** UNKNOWN.  
**other id:** 65A.  
**Annual. Wild. Seed.**

PI 555683. Nicotiana attenuata Torrey ex S. Watson SOLANACEAE Tobacco

Received .

**origin:** UNKNOWN.  
**other id:** 7A.  
**Annual. Wild. Seed.**

PI 555684. Nicotiana benthamiana Domin SOLANACEAE Tobacco

Received .

**origin:** UNKNOWN.  
**other id:** 9A.  
**Annual. Wild. Seed.**

PI 555685. Nicotiana excelsior (J. M. Black) J. M. Black SOLANACEAE Tobacco

Received .
PI 555685-continued

origin: UNKNOWN. other id: 19A. Annual. Wild. Seed.

PI 555686. Nicotiana glauca Graham SOLANACEAE Tree tobacco
Received.


PI 555687. Nicotiana hesperis N. Burb. SOLANACEAE Tobacco
Received.


PI 555688. Nicotiana megalosiphon Van Heurck & Mull. Arg. SOLANACEAE Tobacco
Received.


PI 555689 to 555690. Nicotiana occidentalis Wheeler SOLANACEAE Tobacco
Received.

PI 555689 origin: UNKNOWN. other id: 37A. Annual. Wild. Seed.
PI 555690 origin: UNKNOWN. other id: 37B. Annual. Wild. Seed.

PI 555691. Nicotiana rotundifolia Lindley SOLANACEAE Tobacco
Received.

origin: UNKNOWN. other id: 47A. Annual. Wild. Seed.

PI 555692 to 555693. Nicotiana rustica L. SOLANACEAE Tobacco
Received.

PI 555692 origin: UNKNOWN. other id: 49A. Annual. Wild. Seed.
PI 555693 origin: UNKNOWN. other id: 49B. Annual. Wild. Seed.
PI 555694. Nicotiana hybrid SOLANACEAE Tobacco

**Donated by:** Clausen, R.E., University of California - Berkeley, Berkeley, California, United States. Received .

**origin:** United States. **pedigree:** 4N(und x tab). **other id:** B5. Annual. Genetic Material. Seed.

PI 555695 to 555696. Nicotiana hybrid SOLANACEAE Tobacco

**Donated by:** Clayton, USDA-ARS, Beltsville, Maryland, United States. Received .

PI 555695 **origin:** United States. **pedigree:** 4N[tabx4N(syl x oto)]. **other id:** B11. Annual. Genetic Material. Seed.

PI 555696 **origin:** United States. **pedigree:** 4N(deb x tab). **other id:** B15. Annual. Genetic Material. Seed.

PI 555697. Nicotiana hybrid SOLANACEAE Tobacco

**Donated by:** Kostoff, USSR. Received .

**origin:** USSR. **pedigree:** 4N(syl x tmf) Kostoff's Hybrid. **other id:** B12. Annual. Genetic Material. Seed.

PI 555698 to 555699. Nicotiana hybrid SOLANACEAE Tobacco

**Donated by:** Cameron, University of California - Berkeley, Berkeley, California, United States. Received .

PI 555698 **origin:** United States. **pedigree:** 4N(lon x tab). **other id:** B20. Annual. Genetic Material. Seed.

PI 555699 **origin:** United States. **pedigree:** 4N(deb x cle). **other id:** B28. Annual. Genetic Material. Seed.

PI 555700 to 555707. Nicotiana hybrid SOLANACEAE Tobacco

Received .

PI 555700 **origin:** United States. **pedigree:** 4N(tab HLN.B21 X glouca). **other id:** B56. Annual. Genetic Material. Seed.

PI 555701 **origin:** United States. **pedigree:** 4N(rus x tab). **other id:** B57. Annual. Genetic Material. Seed.

PI 555702 **origin:** United States. **pedigree:** [plum]tab-white. **other id:** B61. Annual. Genetic Material. Seed.
PI 555700 to 555707—continued

PI 555703  
origin: United States.  
pedigree: [plum]tab-coral.  
other id: B62.  
Annual.  
Genetic Material.  
Seed.

PI 555704  
origin: United States.  
pedigree: 4N(cle x glu).  
other id: B63.  
other id: N. edwardsonii.  
source: Not a valid species name.  
Annual.  
Genetic Material.  
Seed.

PI 555705  
origin: United States.  
pedigree: [cord]tab.  
other id: B64.  
Annual.  
Genetic Material.  
Seed.

PI 555706  
origin: United States.  
pedigree: 4N(sol x tab).  
other id: B65.  
Annual.  
Genetic Material.  
Seed.

PI 555707  
origin: United States.  
pedigree: 4N(tab x sol).  
other id: B66.  
Annual.  
Genetic Material.  
Seed.

PI 555708 to 555710. Nicotiana hybrid SOLANACEAE Tobacco

Donated by: Cameron, University of California - Berkeley, Berkeley, California, United States. Received.

PI 555708  
origin: United States.  
pedigree: 4N(und x tab).  
other id: B22.  
Annual.  
Genetic Material.  
Seed.

PI 555709  
origin: United States.  
pedigree: 4N(glu x tab)#1.  
other id: B35.  
Annual.  
Genetic Material.  
Seed.

PI 555710  
origin: United States.  
pedigree: 4N(glu x tab)#2.  
other id: B36.  
Annual.  
Genetic Material.  
Seed.

PI 555711. Nicotiana hybrid SOLANACEAE Tobacco

Donated by: Cameron, University of California, Berkeley, California, United States. Received.

PI 555712. Nicotiana hybrid SOLANACEAE Tobacco

Donated by: Burk, Larry G., USDA-ARS, Beltsville, Maryland, United States. Received.

PI 555712. Nicotiana hybrid SOLANACEAE Tobacco
PI 555713 to 555716. Nicotiana hybrid SOLANACEAE Tobacco

**Donated by:** Smith, Harold H., United States. Received .

PI 555713  
**origin:** United States.  
**pedigree:** 4N(big x deb).  
**other id:** B41. Annual. Genetic Material. Seed.

PI 555714  
**origin:** United States.  
**pedigree:** 4N(deb x tab).  
**other id:** B42. Annual. Genetic Material. Seed.

PI 555715  
**origin:** United States.  
**pedigree:** 4N(sua x lan).  
**other id:** B49. Annual. Genetic Material. Seed.

PI 555716  
**origin:** United States.  
**pedigree:** 4N(gla x lan).  
**other id:** B50. Annual. Genetic Material. Seed.

PI 555717. Nicotiana hybrid SOLANACEAE Tobacco

**Donated by:** Sand, S.A., United States. Received .

**origin:** United States.  
**pedigree:** 4N(lon x san).  
**other id:** B48. Annual. Genetic Material. Seed.

PI 555718. Nicotiana hybrid SOLANACEAE Tobacco

**Donated by:** Cameron, University of California - Berkeley, Berkeley, California, United States. Received November 1967.

**origin:** United States.  
**pedigree:** 4N(sua x tab).  
**other id:** B51. Annual. Genetic Material. Seed.

PI 555719. Nicotiana hybrid SOLANACEAE Tobacco

**Donated by:** Kehr, United States. Received 1964.

**origin:** United States.  
**pedigree:** 4N(deb x plu).  
**other id:** B53. Annual. Genetic Material. Seed.

PI 555720. Nicotiana hybrid SOLANACEAE Tobacco

**Donated by:** Kehr, United States. Received October 1967.

**origin:** United States.  
**pedigree:** 4N(sua x plu).  
**other id:** B54. Annual. Genetic Material. Seed.

PI 555721 to 555722. Nicotiana hybrid SOLANACEAE Tobacco

**Donated by:** Burk, Larry G., United States. Received August 1967.
PI 555721 to 555722-continued


PI 555723. Nicotiana hybrid  SOLANACEAE  Tobacco

Donated by: Hitier, United States. Received.


PI 555724. Nicotiana hybrid  SOLANACEAE  Tobacco

Donated by: Wean, United States. Received.


PI 555725. Nicotiana x sanderae  SOLANACEAE  Tobacco

Received.


PI 555726 to 555746. Avena sativa  L.  POACEAE  Common oat


PI 555747. Hordeum vulgare L. POACEAE Barley

Donated by: Ramage, R.T., USDA-ARS, University of Arizona, 2000 E. Allen Road, Tucson, Arizona, United States. Received October 02, 1991.

PI 555748. Ribes acicularis Smith GROSSULARIACEAE

**Donated by:** Holloway, P.S., University of Alaska, Fairbanks, Alaska, United States. Received February 11, 1990.

**origin:** USSR. **pedigree:** Open pollinated from botanical collection. **collected:** August 10, 1990. Perennial. Cultivated. Seed.

PI 555749. Ribes alpestre Decaisne GROSSULARIACEAE Gooseberry

**Donated by:** Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received January 12, 1989.

**origin:** Pakistan. **pedigree:** Collected from the wild in Pakistan. **collected:** September 21, 1988. **locality:** 2km NW of Naltar, scattered along the Naltar Valley. **latitude:** 36 deg. 17 min. N. **longitude:** 74 deg. 05 min. E. **elevation:** 3200m. **remarks:** Red, edible fruit, just ripe to overripe, persistent. Good tart taste, mostly borne 1 fruit/node on 2yr wood. Perennial. Wild. Seed.

PI 555750. Ribes alpinum L. GROSSULARIACEAE Currant

**Donated by:** Hort. Bot. Acad. Sci., Taschkent, Uzbek SSR, USSR. Received April 24, 1987.

**origin:** USSR. **pedigree:** Open-pollinated seed from botanical collection. **local name:** Alpine Currant. Perennial. Cultivated. Seed.

PI 555751. Ribes alpinum L. GROSSULARIACEAE Currant

**Donated by:** Carlton Nurseries, Dayton, Oregon, United States. Received January 10, 1990.

**origin:** United States. **pedigree:** Probably a seedling selection. **local name:** Alpine Currant. **remarks:** This accession is used as an ornamental. Perennial. Cultivated. Cutting.

PI 555752. Ribes alpinum L. GROSSULARIACEAE Currant

**Donated by:** Ley, Elizabeth, National Arboretum, Washington, District of Columbia, United States. Received September 17, 1990.
PI 555752-continued

origin institute: Burroak Nursery, Rt. 1 Box 310, Round 
Lake, Illinois 60073. cultivar: Green Mound. 

PI 555753. Ribes altissimum Turcz. ex Pojark. GROSSULARIACEAE

Received April 24, 1987.

origin: USSR. pedigree: Open-pollinated seed from 
botanical collection. local name: Chernaya Kislitca. 

PI 555754. Ribes altissimum Turcz. ex Pojark. GROSSULARIACEAE

Donated by: Holloway, P.S., University of Alaska, Fairbanks, Alaska, 
United States. Received February 11, 1990.

origin: USSR. pedigree: Open-pollinated from botanical 
Cultivated. Seed.

PI 555755. Ribes americanum Mill. GROSSULARIACEAE Currant

Donated by: Noller, M., Upper Colorado Environmental Plant, Center, 
Meeker, Colorado, United States. Received June 01, 1982.

origin institute: USDA/ARS/NGR-Corvallis, 33447 Peoria 
Road, Corvallis, Oregon. pedigree: Seedling selection 
from wild Colorado seedlot CRIB 805. local name: 
Plant.

PI 555756 to 555757. Ribes aureum Pursh GROSSULARIACEAE Currant

Donated by: Seibert, T., Forked River, New Jersey, United States. 
Received February 08, 1984.

PI 555756 origin: United States. historical origin: UNCERTAIN. 

PI 555757 origin: United States. historical origin: UNCERTAIN. 

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PI 555758. Ribes aureum Pursh  GROSSULARIACEAE  Currant


PI 555759. Ribes aureum Pursh  GROSSULARIACEAE  Currant

Donated by: Fredricks, N., Oregon State University, Corvallis, Oregon, United States. Received July 13, 1987.

origin: United States. pedigree: Collected from the wild in Oregon. local name: Golden Currant. collected: July 1987. locality: 0.9m west of bridge crossing Trout Creek, Hwy 82, Wallowa Co. latitude: 45 deg. 26 min. N. longitude: 117 deg. 20 min. W. elevation: 1130m. Perennial. Wild. Seed.

PI 555760 to 555762. Ribes aureum Pursh  GROSSULARIACEAE  Currant

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received July 12, 1989.


PI 555762  

PI 555763. Ribes aureum Pursh  GROSSULARIACEAE  Currant

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received November 06, 1989.


PI 555764. Ribes aureum Pursh  GROSSULARIACEAE  Currant

Donated by: Carloni, K., Roseburg, Oregon, United States. Received August 06, 1990.


PI 555765. Ribes aureum Pursh  GROSSULARIACEAE  Currant

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


PI 555766. Ribes binominatum A. A. Heller  GROSSULARIACEAE  Gooseberry

Donated by: Stansell, V., Gold Beach, Oregon, United States. Received August 31, 1989.
PI 555766-continued

**origin**: United States. **pedigree**: Collected from the wild in Oregon. **local name**: Ground Currant, Siskyou Currant. **collected**: August 20, 1989. **locality**: Near Bolan Creek, below Bolan Lake, dry meadow edges. **latitude**: 42 deg. 00 min. N. **longitude**: 142 deg. 00 min. W. **remarks**: Associates are Abies, Pseudotsuga, other Ribes spp, etc. Perennial. Wild. Seed.

PI 555767. Ribes bracteosum GROSSULARIACEAE Currant

**Donated by**: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received August 15, 1983.

**origin**: United States. **pedigree**: Collected from the wild in Oregon. **local name**: Stink Currant, Blue Currant. **collected**: August 12, 1983. **locality**: McKenzie Pass, in spring area, clearing of conifer forest. **latitude**: 48 deg. 00 min. N. **longitude**: 119 deg. 30 min. W. **elevation**: 1075m. **remarks**: Fruit small to medium with small yellow sessile glands. Perennial. Wild. Seed.

PI 555768. Ribes bracteosum GROSSULARIACEAE Currant

**Donated by**: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 27, 1984.

**origin**: United States. **pedigree**: Collected from the wild in Oregon. **local name**: Stink Currant, Blue Currant. **collected**: September 26, 1984. **locality**: Willamette Nat'l. Forest above Cougar Reservoir. **latitude**: 44 deg. 00 min. N. **longitude**: 122 deg. 18 min. W. **elevation**: 1280m. **remarks**: Shrub to 1m upright to spreading, with large leaves Fruit clusters to 22 cm long. Perennial. Wild. Seed.

PI 555769 to 555774. Ribes bracteosum GROSSULARIACEAE Currant

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

**PI 555769** **origin**: United States. **pedigree**: Collected from the wild in Washington. **local name**: Stink Currant, Blue Currant. **collected**: August 05, 1985. **locality**: From roadside up from Wind R. Forest Nursery in old burn. **latitude**: 46 deg. 00 min. N. **longitude**: 122 deg. 00 min. W. **elevation**: 1160m. **remarks**: Fruit ripe to partly ripe, typical. Perennial. Wild. Seed.
PI 555770  
**origin:** United States.  
**pedigree:** Collected from the wild in Washington.  
**local name:** Stink Currant, Blue Currant.  
**collected:** August 05, 1985.  
**locality:** Gifford Pinchot Nat'l Forest along roadside.  
**latitude:** 46 deg. 10 min. N.  
**longitude:** 122 deg. 30 min. W.  
**elevation:** 1250m.  
**remarks:** Small fruit population sample, typical.  
Perennial. Wild. Seed.

PI 555771  
**origin:** United States.  
**pedigree:** Collected from the wild in Washington.  
**local name:** Stink Currant, Blue Currant.  
**collected:** August 07, 1985.  
**locality:** Gifford Pinchot Nat'l Forest, along roadside.  
**latitude:** 46 deg. 10 min. N.  
**longitude:** 122 deg. 00 min. W.  
**elevation:** 1160m.  
**remarks:** Population covers 1 acre, < 1 % ripe fruit on 8/7/85. Perennial. Wild. Seed.

PI 555772  
**origin:** United States.  
**pedigree:** Collected from the wild in Washington.  
**local name:** Stink Currant, Blue Currant.  
**collected:** August 08, 1985.  
**locality:** Olympic Nat'l Forest, along roadside, Wynoochee River Bridge.  
**latitude:** 47 deg. 20 min. N.  
**longitude:** 123 deg. 40 min. W.  
**elevation:** 700m.  
**remarks:** Population collection from large population. Perennial. Wild. Seed.

PI 555773  
**origin:** United States.  
**pedigree:** Collected from the wild in Washington.  
**local name:** Stink Currant, Blue Currant.  
**collected:** August 13, 1985.  
**locality:** Olympic Nat'l Forest, in moist cove, northwest aspect.  
**latitude:** 48 deg. 00 min. N.  
**longitude:** 123 deg. 30 min. W.  
**elevation:** 820m.  

PI 555774  
**origin:** United States.  
**pedigree:** Collected from the wild in Washington.  
**local name:** Stink Currant, Blue Currant.  
**collected:** August 13, 1985.  
**locality:** Olympic Nat'l Forest, in stream bottom area.  
**latitude:** 48 deg. 00 min. N.  
**longitude:** 123 deg. 30 min. W.  
**elevation:** 730m.  
**remarks:** Population sample including fruit from several elite-appearing clones. Perennial. Wild. Seed.

PI 555775 to 555776. Ribes bracteosum  
**GROSSULARIACEAE**  
**Currant**

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 18, 1985.


PI 555777. Ribes bracteosum GROSSULARIACEAE Currant

Donated by: Jahn, O., USDA/ARS/NCG-33447 Peoria Road, Corvallis, Oregon, United States. Received September 30, 1985.


PI 555778. Ribes burejense F. Schmidt GROSSULARIACEAE Gooseberry


PI 555779. Ribes burejense F. Schmidt GROSSULARIACEAE Gooseberry


PI 555780. Ribes californicum var. hesperium (McClatchie) Jepson  
GROSSULARIACEAE  Gooseberry

Donated by: Pirzio-Biroli, J., Washington Park Arboretum, Seattle, 
Washington, United States. Received June 16, 1989.

origin: United States. pedigree: Seedling selection from 
seed collected in California. local name: Hill 

PI 555781. Ribes cereum Dougl.  GROSSULARIACEAE  Currant

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road,  
Corvallis, Oregon, United States. Received July 27, 1982.

origin: United States. pedigree: Collected from the wild 
in Oregon. local name: Wax Currant, White-flowered 
Currant. collected: July 09, 1983. locality: Ochoco 
Nat'l Forest, dense coniferous forest habitat. latitude:  
44 deg. 20 min. N. longitude: 120 deg. 30 min. W. 
elevation: 950m. Perennial. Wild. Seed.

PI 555782 to 555783. Ribes cereum Dougl.  GROSSULARIACEAE  Currant

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road,  
Corvallis, Oregon, United States. Received July 20, 1983.

PI 555782 origin: United States. pedigree: Collected from the wild 
in Idaho. local name: Wax Currant, White-flowered 
Currant. collected: July 06, 1983. locality: Craters of 
the Moon Nat'l Monument, rocky desert. latitude: 43 deg. 
25 min. N. longitude: 113 deg. 35 min. W. remarks: Most 
fruit not ripe at collection date. Perennial. Wild. Seed.

PI 555783 origin: United States. pedigree: Collected from the wild 
in Oregon. local name: Wax Currant, White-flowered 
Currant. collected: July 06, 1983. locality: John Day 
Fossil Beds Nat'l Monument. latitude: 44 deg. 30 min. N. 

PI 555784 to 555786. Ribes cereum Dougl.  GROSSULARIACEAE  Currant

Donated by: Ballington, J.R., North Carolina State Univ.,  
Horticulture Department, Raleigh, North Carolina, United States. 
Received August 10, 1985.
PI 555784 to 555786-continued


PI 555787 to 555788.  Ribes cereum Dougl.  GROSSULARIACEAE  Currant

Donated by:  Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States.  Received September 15, 1986.


PI 555789 to 555791.  Ribes cereum Dougl.  GROSSULARIACEAE  Currant

Donated by:  Fredricks, N., Oregon State University, Corvallis, Oregon, United States.  Received July 13, 1987.
PI 555789 to 555791-continued


PI 555792 to 555793. Ribes cereum Dougl. GROSSULARIACEAE Currant

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received August 26, 1987.


PI 555794. Ribes cereum Dougl. GROSSULARIACEAE Currant

Donated by: Widrlechner, M., USDA/ARS/NC-7, Iowa State University, Ames, Iowa, United States. Received July 11, 1988.
PI 555794-continued


PI 555795. Ribes cereum Dougl. GROSSULARIACEAE Currant

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received July 12, 1989.


PI 555796 to 555797. Ribes cereum Dougl. GROSSULARIACEAE Currant

Donated by: Luby, J.J., University of Minnesota, St. Paul, Minnesota, United States. Received August 10, 1989.


PI 555798. Ribes cereum Dougl. GROSSULARIACEAE Currant

Donated by: Berry Botanic Garden, Portland, Oregon, United States. Received January 04, 1990.
PI 555798-continued


PI 555799. Ribes cereum var. colubrinum C. Hitchc. GROSSULARIACEAE Currant

Donated by: Messinger, W., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States. Received May 1991.


PI 555800. Ribes cereum var. inebrians (Lindley) C. Hitchc. GROSSULARIACEAE Currant

Donated by: Westwood, M.N., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received August 01, 1984.


PI 555801 to 555802. Ribes coloradense Cov. GROSSULARIACEAE Currant

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received August 26, 1987.


PI 555803. Ribes cruentum Greene GROSSULARIACEAE Gooseberry

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 10, 1984.

- **origin:** United States. **pedigree:** Collected from the wild in Oregon. **local name:** Shiny-leaved Gooseberry. **collected:** August 23, 1984. **locality:** Winema Nat'l Forest, Jackson Co. Fish Lake by Hwy. 140. **latitude:** 42 deg. 00 min. N. **longitude:** 122 deg. 00 min. W. **elevation:** 1650m. **remarks:** Thorny shrub to 0.3m, creeping or sprawling, fruit round, green and spiny, corolla adhering. Perennial. Wild. Seed.

PI 555804. Ribes cruentum Greene GROSSULARIACEAE Gooseberry

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

- **origin:** United States. **origin institute:** USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon. **pedigree:** OP seedling selection from wild Oregon seedlot CRIB 818. **local name:** Shiny-Leaved Gooseberry. Perennial. Breeding Material. Plant.

PI 555805 to 555806. Ribes cruentum Greene GROSSULARIACEAE Gooseberry

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

**PI 555805**

- **origin:** United States. **pedigree:** Collected from the wild in Oregon. **local name:** Shiny-leaved Gooseberry. **collected:** July 23, 1985. **locality:** Illahe Campground, Siskyou National Forest. **latitude:** 42 deg. 30 min. N. **longitude:** 124 deg. 00 min. W. **elevation:** 130m. **remarks:** Fruit sample. Plant has thorns only at nodes, fruit has short, stiff thorns, mild flavor, olive green with stripes. Perennial. Wild. Seed.

**PI 555806**

- **origin:** United States. **origin institute:** USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon. **pedigree:** OP seedling selection from wild Oregon seedlot CRIB 820. **local name:** Shiny-leaved Gooseberry. Perennial. Breeding Material. Plant.

PI 555807. Ribes cruentum Greene GROSSULARIACEAE Gooseberry

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 18, 1985.
PI 555807-continued


PI 555808. Ribes cruentum Greene GROSSULARIACEAE Gooseberry

Donated by: Messinger, W., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States. Received May 1991.


PI 555809. Ribes cucullatum Hook. & Arn. GROSSULARIACEAE


PI 555810. Ribes curvatum Small GROSSULARIACEAE Gooseberry

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received October 14, 1983.


PI 555811. Ribes curvatum Small GROSSULARIACEAE Gooseberry

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received December 06, 1983.

PI 555812. Ribes curvatum Small GROSSULARIACEAE Gooseberry

**Donated by:** Jaynes, R., Connecticut Experiment Station, New Haven, Connecticut, United States. Received February 01, 1984.

**origin:** United States. **historical origin:** United States. **origin institute:** University of Connecticut, Agricultural Research Station, New Haven, Connecticut. **local name:** Georgia Gooseberry, Granite Gooseberry. **local name:** Perennial. **BreedingMaterial:** Plant.

PI 555813. Ribes cynosbati L. GROSSULARIACEAE Gooseberry

**Donated by:** Widrlechner, M., USDA/ARS/NC-7, Iowa State University, Ames, Iowa, United States. Received July 28, 1987.

**origin:** United States. **historical origin:** United States. **origin institute:** USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon. **pedigree:** Seedling selection from wild seedlot CRIB 830. **local name:** Dogberry, Pasture Gooseberry, Prickly Gooseberry. **local name:** Perennial. **BreedingMaterial:** Plant.

PI 555814. Ribes diacantha Pall. GROSSULARIACEAE Currant

**Donated by:** Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received July 26, 1990.

**origin:** USSR. **pedigree:** Open pollinated from botanical collection. **remarks:** Arching and spreading shrub to 2.0m. Scattered fruit, red to maroon, excellent flavor. **Perennial:** Cultivated. **Seed.**

PI 555815. Ribes divaricatum Dougl. GROSSULARIACEAE

**Donated by:** Messinger, W., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States. Received May 1991.

**origin:** United States. **pedigree:** Collected from the wild in Oregon. **collected:** April 1991. **Perennial:** Wild. **Plant.**

PI 555816. Ribes echinellum GROSSULARIACEAE Gooseberry

**Donated by:** Barrett, H., USDA/ARS Hort. Research Lab, Orlando, Florida, United States. Received December 03, 1985.
PI 555816-continued


PI 555817. Ribes echinellum GROSSULARIACEAE Gooseberry


PI 555818. Ribes echinellum GROSSULARIACEAE Gooseberry

Donated by: Sherman, W., University of Florida, Fruit Crops Department, Gainesville, Florida, United States. Received July 29, 1918.


PI 555819. Ribes fasciculatum Sieb. & Zucc. GROSSULARIACEAE Currant


PI 555820. Ribes fasciculatum var. chinense Maxim. ex Jancz. GROSSULARIACEAE Currant

Donated by: Westwood, M.N., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received July 12, 1982.
PI 555820-continued


PI 555821. Ribes fasciculatum var. chinense Maxim. ex Jancz. GROSSULARIACEAE Currant

Donated by: Miller, C. Ferris, Chollipo Arboretum, Seoul, Korea, Republic of. Received July 12, 1982.


PI 555822. Ribes fasciculatum var. chinense Maxim. ex Jancz. GROSSULARIACEAE Currant

Donated by: Miller, C. Ferris, Chollipo Arboretum, Seoul, Korea, Republic of. Received June 11, 1985.


PI 555823. Ribes fasciculatum var. chinense Maxim. ex Jancz. GROSSULARIACEAE Currant


PI 555824. Ribes fasciculatum var. chinense Maxim. ex Jancz. GROSSULARIACEAE Currant

Donated by: Miller, C. Ferris, Chollipo Arboretum, Seoul, Korea, Republic of. Received May 01, 1986.
PI 555824-continued


PI 555825. Ribes formosanum GROSSULARIACEAE Gooseberry

Donated by: Tsai, Taiwan National University, Taipei, Taiwan. Received July 12, 1982.


PI 555826. Ribes glandulosum Grauer GROSSULARIACEAE Currant

Donated by: Ballington, J.R., North Carolina State Univ., Horticulture Department, Raleigh, North Carolina, United States. Received September 15, 1986.


PI 555827 to 555830. Ribes grossularia GROSSULARIACEAE Gooseberry

Donated by: Lawrence, F.J., USDA/ARS, Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received 1981.


PI 555827 to 555830-continued

PI 555829  
**origin:** United States. **historical origin:** UNCERTAIN.  
**cultivar:** Mary Tennis. Perennial. Cultivar. Plant.

PI 555830  
**origin:** UNCERTAIN. **cultivar:** O.T. 126. Perennial. Breeding Material. Plant.

PI 555831. **Ribes grossularia** GROSSULARIACEAE Gooseberry

**Donated by:** Lawrence, F.J., USDA/ARS, Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received April 1983.

**origin:** United States. **historical origin:** UNCERTAIN.  
**cultivar:** Green Hansa. **other id:** Gruene Hansa.  
**locality:** Europe. Perennial. Cultivar. Plant.

PI 555832 to 555833. **Ribes grossularia** GROSSULARIACEAE Gooseberry

**Donated by:** Lawrence, F.J., USDA/ARS, Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received January 26, 1983.

PI 555832  
**origin:** United States. **historical origin:** UNCERTAIN.  
**cultivar:** D. Young. Perennial. Cultivar. Plant.

PI 555833  
**origin:** United States. **historical origin:** UNCERTAIN.  
**cultivar:** Surprise. Perennial. Cultivar. Plant.

PI 555834 to 555835. **Ribes grossularia** GROSSULARIACEAE Gooseberry

**Donated by:** Reich, L., Cornell University, NY Ag. Experiment Station, Highland, New York, United States. Received November 17, 1982.

PI 555834  
**origin:** United States. **origin institute:** Cornell University, Agricultural Experiment Station, Geneva, New York 14556. **cultivar:** Fredonia. **pedigree:** Open-pollinated English-type gooseberry seedling selection. **remarks:** Vigorous and productive, fruit is very large, attractive, red and of good quality. Late season. Perennial. Cultivar. Plant.

PI 555835  
**origin:** United States. **historical origin:** UNCERTAIN.  
**cultivar:** Jumbo. Perennial. Cultivar. Plant.
PI 555836 to 555837. Ribes grossularia GROSSULARIACEAE Gooseberry

**Donated by:** Keep, E., East Malling Research Station, Maidstone, Kent, England, United Kingdom. Received December 20, 1982.

PI 555836
- **origin:** United Kingdom.  
  - **origin institute:** East Malling Research Station, Maidstone, Kent, England.  
  - **cultivar:** Mailing Invicta.  
  - **pedigree:** (Resistema x Whinham's Industry) x Keepsake.  
  - **other id:** Invicta.  
  - **remarks:** Virus resistant. Perennial. Cultivar. Plant.

PI 555837
- **origin:** United Kingdom.  
  - **cultivar:** Careless.  
  - **other id:** Weisse Volltragende.  
  - **other id:** White Fullbearing.  
  - **remarks:** This cultivar apparently emerged from the Gooseberry Clubs of Europe in the period 1740-1850. Perennial. Cultivar. Plant.

PI 555838 to 555841. Ribes grossularia GROSSULARIACEAE Gooseberry

**Donated by:** Parfitt, B.D.K., Brogdale Exp. Sta., Faversham, Kent, England, United Kingdom. Received October 31, 1983.

PI 555838
- **origin:** United Kingdom.  
  - **historical origin:** UNCERTAIN.  
  - **cultivar:** Gem.  
  - **locality:** Europe.  
  - **remarks:** Yellow fruited cultivar. Perennial. Cultivar. Plant.

PI 555839
- **origin:** United Kingdom.  
  - **cultivar:** Industry.  
  - **other id:** Whinham's Industry.  
  - **remarks:** Fruit deep claret red, very vigorous, not much mildew. Perennial. Cultivar. Plant.

PI 555840
- **origin:** United Kingdom.  
  - **cultivar:** Lancashire Lad.  
  - **other id:** Hartshorn's Lancashire Lad.  

PI 555841
- **origin:** United Kingdom.  
  - **historical origin:** UNCERTAIN.  
  - **cultivar:** Langley Gage.  
  - **remarks:** Perennial. Cultivar. Plant.

PI 555842 to 555843. Ribes grossularia GROSSULARIACEAE Gooseberry

**Donated by:** Jaynes, R., Connecticut Experiment Station, New Haven, Connecticut, United States. Received February 01, 1984.

PI 555842
- **origin:** United States.  
  - **historical origin:** United States.  
  - **origin institute:** Ellwanger and Barry, Rochester, New York.  
  - **cultivar:** Columbus.  
  - **collected:** January 25, 1984.  
  - **remarks:** Plants vigorous, fruit is large, roundish, oblong and greenish-yellow. Perennial. Cultivar. Plant.
PI 555842 to 555843-continued

PI 555843  
**origin:** United States. **historical origin:** United Kingdom. **cultivar:** Glenton Green. **other id:** York Seedling. **remarks:** Green-fruited cultivar, good flavor, thin-skinned. Perennial. Cultivar. Plant.

PI 555844 to 555845. Ribes grossularia GROSSULARIACEAE Gooseberry

**Donated by:** Stephens, G., Connecticut Experiment Station, New Haven, Connecticut, United States. Received February 08, 1985.

PI 555844  
**origin:** United States. **historical origin:** United Kingdom. **cultivar:** Howard's Lancer. **other id:** Lancer. **remarks:** This cultivar emerged from the Gooseberry Clubs of Europe time period ca 1750-1850. Perennial. Cultivar. Plant.

PI 555845  
**origin:** United States. **historical origin:** Canada. **cultivar:** Ross. **pedigree:** Chance seedling. **other id:** Davidson. **remarks:** Large fruit resembling Pixwell, lower yielder, no longer in production. Perennial. Cultivar. Plant.

PI 555846 to 555847. Ribes grossularia GROSSULARIACEAE Gooseberry

**Donated by:** Brown, M., Grants Pass, Oregon, United States. Received February 06, 1984.

PI 555846  
**origin:** United States. **historical origin:** Finland. **cultivar:** Hinomakki. **remarks:** Susceptible to leaf spot, good for home gardens. Perennial. Cultivar. Plant.

PI 555847  
**origin:** United States. **historical origin:** Canada. **origin institute:** Agriculture Canada, Research Station, Ottawa, Ontario. **cultivar:** Canada 0-273. **pedigree:** Spinefree x Clark. **remarks:** This clone may not agree with the description published by Agriculture Canada. Perennial. Cultivar. Plant.

PI 555848 to 555852. Ribes grossularia GROSSULARIACEAE Gooseberry

**Donated by:** Seibert, T., Forked River, New Jersey, United States. Received February 08, 1984.

PI 555848  
**origin:** United States. **historical origin:** Germany. **cultivar:** Hoennings Fruehest. **pedigree:** Seedling selection. **other id:** Hoenings Earliest. **remarks:** This accession is infected with veinbanding virus. Perennial. Cultivar. Plant.
PI 555849 origin: United States. historical origin: Germany. 
cultivar: Weisse Neckartal. remarks: Fruit early, large, roundish, whitish-green. Plant is vigorous and erect. 

PI 555850 origin: United States. historical origin: Germany. 

PI 555851 origin: United States. historical origin: Germany. 

PI 555852 origin: United States. historical origin: United Kingdom. 

PI 555853. Ribes grossularia GROSSULARIACEAE Gooseberry

Donated by: Fisher, E., James Madison University, Harrisonburg, Virginia, United States. Received December 10, 1984.


PI 555854 to 555855. Ribes grossularia GROSSULARIACEAE Gooseberry


cultivar: Rosko. pedigree: Gladde Gele x Whinham's Industry. 

PI 555856. Ribes grossularia GROSSULARIACEAE Gooseberry

PI 555856-continued

origin: United Kingdom. historical origin: UNCERTAIN.
cultivar: Achilles. other id: Achilles Red. locality: Europe.
remarks: A midseason cultivar, fruit is large and pure red. Perennial. Cultivar. Cutting.

PI 555857. Ribes grossularia GROSSULARIACEAE Gooseberry

Donated by: Schultz, W., Philomath, Oregon, United States. Received February 12, 1986.


PI 555858. Ribes grossularia GROSSULARIACEAE Gooseberry

Donated by: Meyer, D., Meyer Orchards and Nursery, Salem, Oregon, United States. Received February 20, 1986.

origin: United States. historical origin: Finland.

PI 555859. Ribes grossularia GROSSULARIACEAE Gooseberry

Donated by: Trajkovski, V., Swedish University of Agricultural Sciences, Kristianstad, Sweden. Received April 14, 1986.


PI 555860 to 555861. Ribes grossularia GROSSULARIACEAE Gooseberry

Donated by: McKay, S., Booneville, California, United States. Received February 05, 1988.

PI 555860 origin: United States. historical origin: United Kingdom. cultivar: Leveller. other id: Greenhalgh.
other id: Gelbe Riesenbeere. remarks: Fruit is very large, yellow and well-developed. Spreading habit, susceptible to mildew. Perennial. Cultivar. Cutting.

PI 555862 to 555864. Ribes grossularia GROSSULARIACEAE Gooseberry

Donated by: McKay, S., Booneville, California, United States. Received February 02, 1988.


PI 555865. Ribes grossularia GROSSULARIACEAE Gooseberry


PI 555866. Ribes grossularia GROSSULARIACEAE Gooseberry

Donated by: Postman, J., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received October 03, 1988.


PI 555867 to 555868. Ribes grossularia GROSSULARIACEAE Gooseberry

Donated by: Cacciotti, R., Cranston, Rhode Island, United States. Received October 08, 1988.

PI 555868  
origin: United States.  
historical origin: United Kingdom.  
cultivar: Crown Bob.  
other id: Lentse Blonde.  
remarks: Fruit is medium-sized, dark purplish-red, slightly bristly, ripens midseason.  
Perennial.  
Cultivar.  
Plant.

PI 555869.  
Ribes grossularia  
GROSSULARIACEAE  
Gooseberry  

Donated by: Cacciotti, R., Cranston, Rhode Island, United States.  
Received March 24, 1988.  

origin: United States.  
historical origin: United Kingdom.  
cultivar: Early Sulphur.  
other id: Ruige Gele.  
other id: Yellow Rough.  
other id: Frueheste Gelbe.  
remarks: Yellow fruited cultivar similar to Hoennings Frueheste Early cropper, susceptible to sulfur damage.  
Perennial.  
Cultivar.  
Cutting.

PI 555870 to 555871.  
Ribes grossularia  
GROSSULARIACEAE  
Gooseberry  

Donated by: Reckin, J., Werbellin Experimental Gardens, Werbellin, Germany.  
Received March 29, 1989.  

PI 555870  
origin: Germany.  
cultivar: Weisse Volltragende.  
other id: Careless.  
other id: White Fullbearing.  
remarks: Heavy-yielding cultivar that emerged from the Gooseberry Clubs of Europe in the period 1740-1850.  
Perennial.  
Cultivar.  
Cutting.

PI 555871  
origin: Germany.  
cultivar: Gelbe Triumphbeere.  
remarks: Yellow fruited cultivar.  
Perennial.  
Cultivar.  
Cutting.

PI 555872.  
Ribes grossularia  
GROSSULARIACEAE  
Gooseberry  

Donated by: Reckin, J., Werbellin Experimental Gardens, Werbellin, Germany.  
Received March 13, 1990.  

origin: UNCERTAIN.  
cultivar: Jolly Angler.  
other id: Green Giant.  
other id: Grune Riesenbeere.  
other id: Lofty.  
remarks: Green-fruited, very late blooming.  
Perennial.  
Cultivar.  
Cutting.

PI 555873 to 555998.  
Ribes grossularia  
GROSSULARIACEAE  
Gooseberry  

Donated by: National Fruit Trials, Brogdale Farm, Faversham, Kent, England, United Kingdom.  
Received November 08, 1989.
PI 555873 to 555998—continued

PI 555873  
**origin:** United Kingdom. **historical origin:** UNCERTAIN.  
**cultivar:** Ajax. **remarks:** Green-fruited cultivar.  

PI 555874  
**origin:** United Kingdom. **historical origin:** Canada.  
**cultivar:** Alma. **pedigree:** Downing seedling selection.  
**remarks:** Vigorous, unproductive, susceptible to mildew, fruit with thick skin, green tinged with coppery red.  

PI 555875  
**origin:** United Kingdom. **historical origin:** UNCERTAIN.  
**cultivar:** Beauty. **remarks:** Red-fruited cultivar.  

PI 555876  
**origin:** United Kingdom. **cultivar:** Bedford Red. **remarks:** Red-fruited cultivar.  

PI 555877  
**origin:** United Kingdom. **cultivar:** Bedford Yellow.  
**remarks:** Yellow-fruited cultivar.  

PI 555878  
**origin:** United Kingdom. **historical origin:** UNCERTAIN.  
**cultivar:** Beech Tree Nestling. **remarks:** Red-fruited cultivar.  

PI 555879  
**origin:** United Kingdom. **historical origin:** UNCERTAIN.  
**cultivar:** Black Seedling. **remarks:** Red-fruited cultivar.  

PI 555880  
**origin:** United Kingdom. **historical origin:** UNCERTAIN.  
**cultivar:** Blucher. **remarks:** Fruits dark red with thin skin.  

PI 555881  
**origin:** United Kingdom. **cultivar:** Bobby Green. **remarks:** Green-fruited cultivar.  

PI 555882  
**origin:** United Kingdom. **cultivar:** British Oak. **remarks:** Red-fruited cultivar.  

PI 555883  
**origin:** United Kingdom. **cultivar:** Careless (Kent).  
**other id:** Careless. **remarks:** White-fruited cultivar No pedigree information provided.  

PI 555884  
**origin:** United Kingdom. **cultivar:** Careless (Veitch).  
**other id:** Careless. **remarks:** White-fruited cultivar No pedigree information provided.  
PI 555873 to 555998-continued


PI 555873 to 555998-continued

PI 555894  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Cook's Eagle.  
**remarks:** Green-fruited cultivar.  
Perennial.  
Cultivar.  
Cutting.

PI 555895  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Cousen's Seedling.  
**remarks:** Yellow-fruited cultivar.  
Perennial.  
Cultivar.  
Cutting.

PI 555896  
**origin:** United Kingdom.  
**cultivar:** Dan's Mistake.  
**remarks:** Red-fruited cultivar, vigorous, slightly susceptible to mildew.  
Perennial.  
Cultivar.  
Cutting.

PI 555897  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Dr. Wooley.  
**remarks:** Red-fruited cultivar.  
Perennial.  
Cultivar.  
Cutting.

PI 555898  
**origin:** United Kingdom.  
**cultivar:** Drill.  
**remarks:** Green-fruited cultivar, very susceptible to mildew.  
Perennial.  
Cultivar.  
Cutting.

PI 555899  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Early Green Hairy.  
**locality:** Europe.  
**remarks:** Fruit small, round, deep green and hairy, early.  
Perennial.  
Cultivar.  
Cutting.

PI 555900  
**origin:** United Kingdom.  
**cultivar:** Emerald.  
**remarks:** Green-fruited cultivar.  
Perennial.  
Cultivar.  
Cutting.

PI 555901  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Faithful.  
**remarks:** Green-fruited cultivar.  
Perennial.  
Cultivar.  
Cutting.

PI 555902  
**origin:** United Kingdom.  
**cultivar:** Fascination.  
**remarks:** Fruit is pale green mottled with red.  
Perennial.  
Cultivar.  
Cutting.

PI 555903  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Flixtonia.  
**remarks:** Red-fruited cultivar.  
Perennial.  
Cultivar.  
Cutting.

PI 555904  
**origin:** United Kingdom.  
**cultivar:** Forester.  
**remarks:** Red-fruited cultivar.  
Perennial.  
Cultivar.  
Cutting.

PI 555905  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Forever Amber.  
**remarks:** Yellow-fruited cultivar.  
Perennial.  
Cultivar.  
Cutting.

PI 555906  
**origin:** United Kingdom.  
**cultivar:** Freedom.  
**remarks:** 'White'-fruited cultivar, very similar to Chautauqua.  
Perennial.  
Cultivar.  
Cutting.
PI 555873 to 555998-continued


<table>
<thead>
<tr>
<th>PI</th>
<th>origin: United Kingdom.</th>
<th>historical origin: UNCERTAIN.</th>
<th>cultivar:</th>
<th>remarks:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PI 555919</td>
<td></td>
<td></td>
<td>Gretna Green</td>
<td>Green-fruited cultivar.</td>
</tr>
<tr>
<td>PI 555920</td>
<td></td>
<td></td>
<td>Guido.</td>
<td>Red-fruited cultivar.</td>
</tr>
<tr>
<td>PI 555921</td>
<td></td>
<td></td>
<td>Gunner.</td>
<td>Fruit sweet and richly flavored, olive-green and yellow striped with a unique square shape. Perennial.</td>
</tr>
<tr>
<td>PI 555922</td>
<td></td>
<td></td>
<td>Guy's Seedling</td>
<td>Yellow-fruited cultivar.</td>
</tr>
<tr>
<td>PI 555923</td>
<td></td>
<td></td>
<td>Heart of Oak</td>
<td>Green-fruited cultivar.</td>
</tr>
<tr>
<td>PI 555924</td>
<td></td>
<td></td>
<td>Hebburn Prolific</td>
<td>Green-fruited cultivar.</td>
</tr>
<tr>
<td>PI 555925</td>
<td></td>
<td></td>
<td>Hedgehog.</td>
<td>Green-fruited cultivar, fruit is somewhat hairy. Perennial.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>other id:</td>
<td>Improved Early Hedgehog.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>locality:</td>
<td>Europe.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>remarks:</td>
<td>Green-fruited cultivar.</td>
</tr>
<tr>
<td>PI 555926</td>
<td></td>
<td></td>
<td>Hellegrune Samtbeere</td>
<td>Green-fruited cultivar.</td>
</tr>
<tr>
<td>PI 555927</td>
<td></td>
<td></td>
<td>Hero of the Nile</td>
<td>Green-fruited cultivar.</td>
</tr>
<tr>
<td>PI 555928</td>
<td></td>
<td></td>
<td>Highlander</td>
<td>Red-fruited cultivar.</td>
</tr>
<tr>
<td>PI 555929</td>
<td></td>
<td></td>
<td>High Sherrif</td>
<td>Yellow-fruited cultivar.</td>
</tr>
<tr>
<td>PI 555930</td>
<td></td>
<td></td>
<td>Hue-and-Cry</td>
<td>Green-fruited cultivar, medium grower and subject to mildew. Fruits large and oblong. Perennial.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cultivar. Cutting.</td>
<td></td>
</tr>
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</table>
PI 555931  origin: United Kingdom.  historical origin: UNCERTAIN.  

PI 555932  origin: United Kingdom.  historical origin: UNCERTAIN.  


PI 555934  origin: United Kingdom.  historical origin: UNCERTAIN.  


PI 555936  origin: United Kingdom.  historical origin: UNCERTAIN.  

PI 555937  origin: United Kingdom.  cultivar: Lady Haughton.  

PI 555938  origin: United Kingdom.  cultivar: Lady Leicester.  

PI 555939  origin: United Kingdom.  historical origin: UNCERTAIN.  

PI 555940  origin: United Kingdom.  historical origin: UNCERTAIN.  

PI 555942 origin: United Kingdom. cultivar: Leveller (Rogers).
other id: Greenhalgh. other id: Gelbe Riesenbeere.
remarks: Fruit is very large, yellow and well-developed.
Spreading habit, susceptible to mildew. Perennial.
Cultivar. Cutting.

PI 555943 origin: United Kingdom. cultivar: Leveller (Sanders).
other id: Greenhalgh. other id: Gelbe Riesenbeere.
remarks: Fruit is very large, yellow and well-developed.
Spreading habit, susceptible to mildew. Perennial.
Cultivar. Cutting.

PI 555944 origin: United Kingdom. cultivar: London. remarks:
Red-fruited cultivar, fruits large to very large. Won
over 360 awards at shows in the UK in 1867 alone.

PI 555945 origin: United Kingdom. cultivar: London City. remarks:

PI 555946 origin: United Kingdom. cultivar: Lord Audley. remarks:

PI 555947 origin: United Kingdom. cultivar: Lord Elco (LA).

PI 555948 origin: United Kingdom. historical origin: United
Kingdom. cultivar: Lord Elco (Scotland). remarks:

PI 555949 origin: United Kingdom. historical origin: UNCERTAIN.

PI 555950 origin: United Kingdom. historical origin: UNCERTAIN.
cultivar: Mertensis. remarks: Green-fruited cultivar.

PI 555951 origin: United Kingdom. cultivar: Mitre. remarks:
Cutting.

PI 555952 origin: United Kingdom. historical origin: UNCERTAIN.

PI 555953 origin: United Kingdom. cultivar: Nailor. remarks:
<table>
<thead>
<tr>
<th>PI</th>
<th>Origin</th>
<th>Historical Origin</th>
<th>Cultivar</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>555873</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Red-fruited cultivar.</td>
</tr>
<tr>
<td>555874</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Perennial. Cultivar. Cutting</td>
</tr>
<tr>
<td>555875</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>White-fruited cultivar.</td>
</tr>
<tr>
<td>555876</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Cutting.</td>
</tr>
<tr>
<td>555877</td>
<td>United Kingdom</td>
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<td>Napoleon le Grande</td>
<td>Green-fruited cultivar.</td>
</tr>
<tr>
<td>555878</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Perennial. Cultivar. Cutting</td>
</tr>
<tr>
<td>555879</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>White-fruited cultivar.</td>
</tr>
<tr>
<td>555880</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Cutting.</td>
</tr>
<tr>
<td>555881</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Green-fruited cultivar.</td>
</tr>
<tr>
<td>555882</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Perennial. Cultivar. Cutting</td>
</tr>
<tr>
<td>555883</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>White-fruited cultivar.</td>
</tr>
<tr>
<td>555884</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Cutting.</td>
</tr>
<tr>
<td>555885</td>
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<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Green-fruited cultivar.</td>
</tr>
<tr>
<td>555886</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Perennial. Cultivar. Cutting</td>
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<tr>
<td>555887</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>White-fruited cultivar.</td>
</tr>
<tr>
<td>555888</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Cutting.</td>
</tr>
<tr>
<td>555889</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Green-fruited cultivar.</td>
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<tr>
<td>555890</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Perennial. Cultivar. Cutting</td>
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<tr>
<td>555891</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>White-fruited cultivar.</td>
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<tr>
<td>555892</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Cutting.</td>
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<tr>
<td>555893</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Green-fruited cultivar.</td>
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<tr>
<td>555894</td>
<td>United Kingdom</td>
<td>Uncertain</td>
<td>Napoleon le Grande</td>
<td>Perennial. Cultivar. Cutting</td>
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<td>555897</td>
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<td>555962</td>
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<td>555963</td>
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<td>Napoleon le Grande</td>
<td>Perennial. Cultivar. Cutting</td>
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</table>

89
PI 555873 to 555998-continued


PI 555999. Ribes grossularia  GROSSULARIACEAE  Gooseberry

Donated by: Mashburn, E.F., Northumberland, Pennsylvania, United States.  Received March 14, 1991.

origin: Poland.  remarks: Yellow fruited, berries approx. 1 in long x .75 in, sweet, oblong.  Possibly a cultivar whose name has been lost.  Perennial.  Plant.

PI 556000 to 556001. Ribes heterostrichum C. Meyer  GROSSULARIACEAE  Currant

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States.  Received July 26, 1990.
PI 556000 to 556001-continued

PI 556000  
**origin:** USSR.  
**pedigree:** Collected from the wild in the USSR.  
**collected:** July 14, 1990.  
**locality:** Valley of a tributary stream to the Issyk River, Tien Shan.  
**remarks:** Shrubs to 2m, growing in partial shade in moist low woods in valley floor.  
Black fruit.  
Perennial.  
Wild.  
Seed.

PI 556001  
**origin:** USSR.  
**pedigree:** Collected from the wild in the USSR.  
**collected:** July 14, 1990.  
**locality:** Valley of a tributary stream to the Issyk River, Tien Shan.  
**remarks:** Shrubs to 2m, growing in partial shade in moist low woods in valley floor.  
Black fruits.  
Perennial.  
Wild.  
Seed.

PI 556002.  Ribes himalayense Royle ex Decaisne  
GROSSULARIACEAE  

**Currant**

**Donated by:** Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States.  
Received January 12, 1989.

**origin:** Pakistan.  
**pedigree:** Collected from the wild in Pakistan.  
**collected:** September 21, 1988.  
**locality:** Near bridge in Naltar 2 mi. from the Naltar River.  
**latitude:** 36 deg. 16 min. N.  
**longitude:** 74 deg. 05 min. E.  
**elevation:** 3000m.  
**remarks:** Fruit maturity estimated early-mid September.  
Small racemes with 1-2 fruits remaining.  
Perennial.  
Wild.  
Seed.

PI 556003.  Ribes hirsuta L. ex Muenchhausen  
GROSSULARIACEAE  

**Gooseberry**

**Donated by:** Cacciotti, R., Cranston, Rhode Island, United States.  
Received October 08, 1988.

**origin:** United States.  
**historical origin:** UNCERTAIN.  
Perennial.  
Plant.

PI 556004.  Ribes hispidulum (Jancz.) Pojark.  
GROSSULARIACEAE

**Donated by:** Hort. Bot. Acad. Sci., Taschkent, Uzbek SSR, USSR.  
Received April 24, 1987.

**origin:** USSR.  
**pedigree:** Open-pollinated seed from botanical collection.  
**local name:** Kislitsa.  
Perennial.  
Cultivated.  
Seed.
PI 556005. Ribes howellii GROSSULARIACEAE Currant


PI 556006 to 556007. Ribes howellii GROSSULARIACEAE Currant

Donated by: Luby, J.J., University of Minnesota, St. Paul, Minnesota, United States. Received August 24, 1989.


PI 556008. Ribes hudsonianum Richards GROSSULARIACEAE Currant

Donated by: Devonian Botanical Garden, Edmonton, Alberta, Canada. Received November 07, 1984.


PI 556009. Ribes hudsonianum Richards GROSSULARIACEAE Currant

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 16, 1986.

PI 556010 to 556011. Ribes hudsonianum Richards GROSSULARIACEAE Currant

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 15, 1986.


PI 556012 to 556014. Ribes hudsonianum var. petiolare (Douglas) Jancz. GROSSULARIACEAE Currant

**Donated by:** Fredricks, N., Oregon State University, Corvallis, Oregon, United States. Received July 13, 1987.


PI 556015. Ribes hudsonianum var. petiolare (Douglas) Jancz.
GROSSULARIACEAE  Currant

Donated by: Messinger, W., Oregon State University, Dept.
Horticulture, Corvallis, Oregon, United States. Received May 1991.


PI 556016 to 556029. Ribes hybrid GROSSULARIACEAE Black Currant

Donated by: Lawrence, F.J., USDA/ARS, Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received 1981.


PI 556030. Ribes hybrid GROSSULARIACEAE Gooseberry

Donated by: Lawrence, F.J., USDA/ARS, Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received July 20, 1981.

PI 556031. Ribes hybrid GROSSULARIACEAE Gooseberry

**Donated by:** Lawrence, F.J., USDA/ARS, Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received April 1983.


PI 556032. Ribes hybrid GROSSULARIACEAE Gooseberry

**Donated by:** Lawrence, F.J., USDA/ARS, Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received January 26, 1983.


PI 556033. Ribes hybrid GROSSULARIACEAE Red Currant

**Donated by:** Keep, E., East Malling Research Station, Maidstone, Kent, England, United Kingdom. Received December 20, 1982.

**origin:** United Kingdom. **origin institute:** E. Malling Research Station, Maidstone, Kent, England. **cultivar:** Malling Redstart. Perennial. Cultivar. Plant.

PI 556034 to 556035. Ribes hybrid GROSSULARIACEAE Pink Currant

**Donated by:** Parfitt, B.D.K., Brogdale Exp. Sta., Faversham, Kent, England, United Kingdom. Received October 31, 1983.

**PI 556034**

**origin:** United Kingdom. **historical origin:** France. **cultivar:** Champagne. **pedigree:** Probably common red x common white. **other id:** Champagne Red. **remarks:** This clone is infected with veinbanding virus. Perennial. Cultivar. Plant.

**PI 556035**

**origin:** United Kingdom. **cultivar:** Snowdrop. **remarks:** Large oval copperish-red fruit. Perennial. Cultivar. Plant.

PI 556036 to 556038. Ribes hybrid GROSSULARIACEAE Red Currant

**Donated by:** Jaynes, R., Connecticut Experiment Station, New Haven, Connecticut, United States. Received February 01, 1984.
PI 556036. Ribes hybrid GROSSULARIACEAE Red Currant

**Donated by:** Stephens, G., Connecticut Experiment Station, New Haven, Connecticut, United States. Received February 08, 1985.

- **origin:** United States. **historical origin:** United States.
- **cultivar:** Wilder. **pedigree:** Seedling selection of cv. Versailles. **other id:** President Wilder. **remarks:** Versailles type, vigorous, large fruits. Perennial. Cultivar. Plant.

PI 556040. Ribes hybrid GROSSULARIACEAE Gooseberry

**Donated by:** Jaynes, R., Connecticut Experiment Station, New Haven, Connecticut, United States. Received December 29, 1986.

- **origin:** United States. **historical origin:** United States.
- **cultivar:** Downing. **pedigree:** Seedling of Houghton (R. hirtellum x R. grossularia). **remarks:** Fruit of good quality Vigorous, healthy and productive. Perennial. Cultivar. Plant.

PI 556041. Ribes hybrid GROSSULARIACEAE Gooseberry

**Donated by:** Brown, M., Grants Pass, Oregon, United States. Received February 06, 1984.
PI 556041-continued


PI 556042 to 556049. Ribes hybrid GROSSULARIACEAE Red Currant

Donated by: Seibert, T., Forked River, New Jersey, United States. Received February 08, 1984.


PI 556049  origin: United States.  historical origin: Canada.  

PI 556050. Ribes hybrid  GROSSULARIACEAE  Black Currant

Donated by: Seibert, T., Forked River, New Jersey, United States.  
Received 1984.

origin: United States.  historical origin: Canada.  

PI 556051. Ribes hybrid  GROSSULARIACEAE  Gooseberry

Donated by: Chandler, J., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States.  Received June 05, 1984.

origin: United States.  historical origin: Canada.  

PI 556052. Ribes hybrid  GROSSULARIACEAE  Red Currant


PI 556053. Ribes hybrid GROSSULARIACEAE Red Currant


**origin:** Netherlands. **origin institute:** Inst. for Hort. Plant Breeding, Mansholtlaan 15, Wagenigan. **cultivar:** Rovada. **pedigree:** Fay's Prolific x Heinemans Rote Spatlese. Perennial. Cultivar. Cutting.

PI 556054. Ribes hybrid GROSSULARIACEAE Red Currant

**Donated by:** Parfitt, B.D.K., Brogdale Exp. Sta., Faversham, Kent, England, United Kingdom. Received January 02, 1986.

**origin:** Netherlands. **origin institute:** Inst. for Hort. Plant Breeding, Mansholtlaan 15, Wagenigan. **cultivar:** Rosetta. **pedigree:** Jonkheer Van Tets x Heinemann's Rote Spatlese. Perennial. Cultivar. Cutting.

PI 556055. Ribes hybrid GROSSULARIACEAE Jostaberry

**Donated by:** Schultz, W., Philomath, Oregon, United States. Received February 12, 1986.

**origin:** United States. **historical origin:** Germany. **origin institute:** Erwin Bauer Institute, Volgsagsen-Hannover, Oregon. **cultivar:** Josta. **pedigree:** Silvergeiters Schwarze x Gruene Hansa. **other id:** Yosta. **remarks:** Bred primarily for resistance to gooseberry mildew. Perennial. Cultivar. Cutting.

PI 556056. Ribes hybrid GROSSULARIACEAE Gooseberry

**Donated by:** Meyer, D., Meyer Orchards and Nursery, Salem, Oregon, United States. Received February 20, 1986.

**origin:** United States. **historical origin:** United States. **origin institute:** North Dakota State University, Agricultural Experiment Station, Fargo, North Dakota. **cultivar:** Pixwell. **pedigree:** Oregon (Oregon Champion) x R. missourienne. **remarks:** Easily picked, hence the name, sibling of cv. Perry. Perennial. Cultivar. Cutting.

PI 556057 to 556060. Ribes hybrid GROSSULARIACEAE Red Currant

**Donated by:** Reich, J., Cornell University, NY Ag. Experiment Station, Geneva, New York, United States. Received February 27, 1986.
PI 556057. Ribes hybrid GROSSULARIACEAE White Currant

**Donated by:** Trajkovski, V., Swedish University of Agricultural, Sciences, Kristianstad, Sweden. Received April 14, 1986.


PI 556062. Ribes hybrid GROSSULARIACEAE


PI 556063. Ribes hybrid GROSSULARIACEAE Red Currant

**Donated by:** Simms, Clive, Woodhurst, Essendine, Stamford, Lincolnshire, England, United Kingdom. Received April 21, 1987.

PI 556064. Ribes hybrid GROSSULARIACEAE Currant

Donated by: Hermann, W., Seed Savers Exchange, Miller, South Dakota, United States. Received May 27, 1987.

origin: United States. pedigree: R. aureum x R. odoratum (?). local name: Buffalo Currant, Flowering Currant, Golden Currant. remarks: This may be a hybrid of cultivar Crandall. Perennial. Cultivated. Plant.

PI 556065 to 556067. Ribes hybrid GROSSULARIACEAE Black Currant

Donated by: Cacciotti, R., Cranston, Rhode Island, United States. Received November 30, 1987.


PI 556068 to 556071. Ribes hybrid GROSSULARIACEAE Jostaberry


PI 556070  

PI 556071  
origin: United States.  historical origin: Canada.  

PI 556072 to 556073.  Ribes hybrid  GROSSULARIACEAE  Black Currant  
Donated by: N.I. Vavilov Institute of Plant, Industry, Leningrad, USSR.  Received December 23, 1987.

PI 556072  

PI 556073  

PI 556074 to 556076.  Ribes hybrid  GROSSULARIACEAE  Gooseberry  
Donated by: Cacciotti, R., Cranston, Rhode Island, United States.  Received October 08, 1988.

PI 556074  

PI 556075  
PI 556076 origin: United States. historical origin: Canada. 
cultivar: Clark. pedigree: Chance seedling, natural hybrid of European & American spp. other id: Clarke. remarks: Fruit very large, skin thick and rather tough, mildew-free, easy to pick, late midseason. Perennial. Cultivar. Plant.

PI 556077 to 556078. Ribes hybrid GROSSULARIACEAE Black Currant


PI 556079 to 556084. Ribes hybrid GROSSULARIACEAE Red Currant

Donated by: National Fruit Trials, Brogdale Farm, Faversham, Kent, England, United Kingdom. Received November 08, 1989.


PI 556079 to 556084-continued


PI 556085. Ribes hybrid GROSSULARIACEAE Gooseberry

Donated by: Brungardt, S., University of Minnesota, St. Paul, Minnesota, United States. Received December 21, 1989.


PI 556086 to 556088. Ribes hybrid GROSSULARIACEAE White Currant

Donated by: Reckin, J., Werbellin Experimental Gardens, Werbellin, Germany. Received March 13, 1990.


PI 556089 to 556091. Ribes hybrid GROSSULARIACEAE Black Currant

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received July 26, 1990.


PI 556092 to 556095. Ribes hybrid GROSSULARIACEAE Red Currant

Donated by: Cvopa, J., Research Institute of Fruit and, Decorative Trees, Bojnice, Czechoslovakia. Received January 18, 1991.


PI 556092 to 556095-continued

PI 556095  
**origin:** Czechoslovakia.  **origin institute:** Research Institute of Fruit and, Decorative Trees, Bojnice.  
**cultivar:** Blanka.  **pedigree:** Heinemann's Rote Spatlese x Red Lake.  **other id:** BO 113.  **remarks:** Very frost resistant, very productive, late season.  Perennial.  
Cultivar.  Plant.

PI 556096 to 556097.  Ribes hybrid  GROSSULARIACEAE  Currant x Gooseberry Hybrid

**Donated by:** Hummer, K.E., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States.  Received July 24, 1991.

PI 556096  
**origin:** United States.  **origin institute:** USDA/ARS, NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon 97331.  **pedigree:** Open pollinated from CRIB 214.  
**collected:** July 1991.  **elevation:** 2100m.  Perennial.  
Breeding Material.  Seed.

PI 556097  
**origin:** United States.  **origin institute:** USDA/ARS, NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon 97331.  **pedigree:** Open pollinated from CRIB 16.  
**collected:** July 1991.  **elevation:** 2100m.  Perennial.  
Breeding Material.  Seed.

PI 556098.  Ribes inerme Rydb.  GROSSULARIACEAE  Gooseberry

**Donated by:** Westwood, M.N., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States.  Received July 01, 1984.

**origin:** United States.  **pedigree:** Collected from wild in Utah.  **local name:** White-stem Gooseberry, White Gooseberry.  
**collected:** July 01, 1984.  **locality:** Soldier Creek Reservoir.  **latitude:** 40 deg. 24 min. N.  **longitude:** 111 deg. 18 min. W.  **elevation:** 2590m.  
**remarks:** Spiny shrub to 60cm.  Fruit greenish with warts.  
Perennial.  Wild.  Seed.

PI 556099 to 556100.  Ribes inerme Rydb.  GROSSULARIACEAE  Gooseberry

**Donated by:** Ballington, J.R., North Carolina State Univ., Horticulture Department, Raleigh, North Carolina, United States.  Received August 10, 1985.
PI 556099 to 556100-continued

PI 556099  

PI 556100  

PI 556101 to 556109.  *Ribes inerme* Rydb.  GROSSULARIACEAE  Gooseberry

*Donated by*: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States.  Received August 26, 1987.

PI 556101  

PI 556102  

PI 556103  
PI 556104  origin: United States.  pedigree: Collected from the wild in Colorado.  local name: White-stem Gooseberry, White Gooseberry.  collected: August 1987.  locality: Pitkin Co. 1 mile up from Conundrum Creek Trailhead.  latitude: 39 deg. 05 min.  N.  longitude: 106 deg. 52 min.  W.  elevation: 3048m.  remarks: Fruit from 3 bushes within 3m of each other, 8-12mm diam.  Perennial.  Wild.  Seed.


PI 556110 to 556112. Ribes janczewskii Pojark. GROSSULARIACEAE Currant

**Donated by:** Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received July 26, 1990.

PI 556110  
**origin:** USSR.  
**pedigree:** Collected from the wild in the USSR.  
**collected:** July 10, 1990.  
**locality:** Sioma canyon, 55km N of Dushanbe, among rocks by the river.  
**elevation:** 1700m.  
**remarks:** Shrub about 0.5m. No fruit, only one remaining dry stalk of inflorescence. Possibly a male plant. Perennial. Wild. Plant.

PI 556111  
**origin:** USSR.  
**pedigree:** Collected from the wild in the USSR.  
**collected:** July 10, 1990.  
**locality:** Sioma canyon, 55km N of Dushanbe in Hissar Range.  
**elevation:** 1700m.  
**remarks:** Shrub growing among rocks by river, 0.4m tall, with few green (immature) fruit. Perennial. Wild. Plant.

PI 556112  
**origin:** USSR.  
**pedigree:** Collected from the wild in the USSR.  
**collected:** July 10, 1990.  
**locality:** Sioma canyon in Hissar Range, 55km N of Dushanbe.  
**elevation:** 1700m.  
**remarks:** Shrubs growing among rocks near river. To 0.75m, fruits not fully ripe, seed may be too immature. Perennial. Wild. Seed.

PI 556113. Ribes komarovii Pojark. GROSSULARIACEAE Currant

**Donated by:** Hort. Bot. Acad. Sci., Taschkent, Uzbek SSR, USSR.  
Received February 24, 1987.

**origin:** USSR.  
**historical origin:** United States.  
**origin institute:** USDA/ARS/NPGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon.  

PI 556114. Ribes komarovii Pojark. GROSSULARIACEAE Currant

**Donated by:** Hort. Bot. Acad. Sci., Taschkent, Uzbek SSR, USSR.  
Received April 24, 1990.

**origin:** USSR.  
**pedigree:** Open pollinated from botanical collection. Perennial. Cultivated. Seed.

PI 556115. Ribes komarovii Pojark. GROSSULARIACEAE Currant

**Donated by:** Koropachunsky, I., Central Siberian Botanical Garden, Novosibirsk, USSR.  
Received January 1991.
PI 556115-continued


PI 556116. Ribes komarovii Pojark. GROSSULARIACEAE Currant

Donated by: Miller, C. Ferris, Chollipo Arboretum, Seoul, Korea, Republic of. Received June 07, 1991.


PI 556117. Ribes lacustre (Pers.) Poir. GROSSULARIACEAE Gooseberry

Donated by: Jahn, O., USDA/ARS/NCRG-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received April 07, 1983.


PI 556118. Ribes lacustre (Pers.) Poir. GROSSULARIACEAE Gooseberry

Donated by: Chandler, J., USDA/ARS/NCRG-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received April 07, 1983.


PI 556119. Ribes lacustre (Pers.) Poir. GROSSULARIACEAE Gooseberry

Donated by: Jahn, O., USDA/ARS/NCRG-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received August 15, 1983.
PI 556119


PI 556120. Ribes lacustre (Pers.) Poir. GROSSULARIACEAE Gooseberry


PI 556121 to 556122. Ribes lacustre (Pers.) Poir. GROSSULARIACEAE Gooseberry

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received July 07, 1984.


PI 556123. Ribes lacustre (Pers.) Poir. GROSSULARIACEAE Gooseberry

Donated by: Devonian Botanical Gardens, Edmonton, Alberta, Canada. Received November 07, 1984.


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PI 556124 to 556126. Ribes lacustre (Pers.) Poir. GROSSULARIACEAE Gooseberry

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

PI 556124  
**origin:** United States.  **pedigree:** Collected from the wild in Washington.  **local name:** Swamp or Prickly Currant, Swamp Gooseberry.  **collected:** August 07, 1985.  **locality:** Gifford Pinchot Nat'l Forest, in clearcut & along roadbank.  **latitude:** 46 deg. 30 min. N.  **longitude:** 122 deg. 00 min. W.  **elevation:** 915m.  **remarks:** Productive plants. Perennial. Wild. Seed.

PI 556125  
**origin:** United States.  **pedigree:** Collected from the wild in Washington.  **local name:** Swamp or Prickly Currant, Swamp Gooseberry.  **collected:** August 11, 1985.  **locality:** Olympic Nat'l Forest, at wood's edge.  **latitude:** 48 deg. 50 min. N.  **longitude:** 123 deg. 30 min. W.  **elevation:** 490m.  **remarks:** Fruit sample from one large plant. Perennial. Wild. Seed.

PI 556126  
**origin:** United States.  **pedigree:** Collected from the wild in Washington.  **local name:** Swamp or Prickly Currant, Swamp Gooseberry.  **collected:** August 13, 1985.  **locality:** Olympic Nat'l Forest, in moist cove, northwest aspect.  **latitude:** 48 deg. 00 min. N.  **longitude:** 123 deg. 30 min. W.  **elevation:** 2700m.  **remarks:** Population collection. Perennial. Wild. Seed.

PI 556127. Ribes lacustre (Pers.) Poir. GROSSULARIACEAE Gooseberry

**Donated by:** Ballington, J.R., North Carolina State Univ.,
Horticulture Department, Raleigh, North Carolina, United States.  
Received August 29, 1985.

**origin:** United States.  **pedigree:** Collected from the wild in Oregon.  **local name:** Swamp or Prickly Currant, Swamp Gooseberry.  **collected:** July 30, 1985.  **locality:** Deschutes Nat'l Forest, near lake margin, 10 degree slope.  **latitude:** 43 deg. 50 min. N.  **longitude:** 121 deg. 50 min. W.  **elevation:** 1400m.  **remarks:** Dark purple to black fruit. Population sample. Perennial. Wild. Seed.

PI 556128 to 556129. Ribes lacustre (Pers.) Poir. GROSSULARIACEAE Gooseberry

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 18, 1985.
PI 556128 to 556129—continued

PI 556128 origin: United States. pedigree: Collected from the wild in Oregon. local name: Swamp or Prickly Currant, Swamp Gooseberry. collected: September 1985. locality: Several sites near Devils Lake, plants near wet areas. latitude: 45 deg. 00 min. N. longitude: 124 deg. 00 min. W. elevation: 1000m. remarks: Fruit limited to plants near wet area. Perennial. Wild. Seed.


PI 556130. Ribes lacustre (Pers.) Poir. GROSSULARIACEAE Gooseberry

Donated by: Fredricks, N., Oregon State University, Corvallis, Oregon, United States. Received July 13, 1987.


PI 556131. Ribes lacustre (Pers.) Poir. GROSSULARIACEAE Gooseberry

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received September 20, 1990.

origin: United States. pedigree: Collected from the wild in Oregon. local name: Swamp or Prickly Currant, Swamp Gooseberry. collected: August 25, 1990. locality: South end of Waldo Lake, near Shadow Bay Campground. latitude: 43 deg. 45 min. N. longitude: 122 deg. 05 min. W. elevation: 1660m. remarks: Herbarium specimen also received. Found in moist areas where there were small creeks or seepages flowing into lake. Perennial. Wild. Seed.

PI 556132. Ribes latifolium Jancz. GROSSULARIACEAE Currant

PI 556132-continued


PI 556133. *Ribes laxiflorum* **GROSSULARIACEAE** Currant

**Donated by**: Larsson, Gunny, Swedish University of Agric. Sci., Umea, Sweden. Received July 24, 1989.


PI 556134. *Ribes leptanthum* A. Gray **GROSSULARIACEAE** Gooseberry


PI 556135 to 556137. *Ribes leptanthum* A. Gray **GROSSULARIACEAE** Gooseberry

**Donated by**: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received August 26, 1987.


**PI 556135**


**PI 556136**

PI 556137. *Ribes leptanthum* A. Gray

**GROSSULARIACEAE**

**Gooseberry**


**origin:** United States. **pedigree:** Selection from the wild from the Southwestern US. **local name:** Trumpet Gooseberry. **collected:** January 01, 1953. **locality:** Willamette Nat'l Forest near Cougar Reservoir. **latitude:** 44 deg. 00 min. N. **longitude:** 119 deg. 30 min. W. **elevation:** 1350m. **remarks:** Black fruit with stipitate glands, poor set. **Perennial. Wild. Seed.**

PI 556139. *Ribes lobbii* A. Gray

**GROSSULARIACEAE**

**Gooseberry**

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received August 15, 1983.

**origin:** United States. **pedigree:** Collected from the wild in Oregon. **local name:** Gummy Gooseberry, Oregon Gooseberry, Pioneer Gooseberry. **collected:** August 11, 1983. **locality:** Willamette Nat'l Forest near Cougar Reservoir. **latitude:** 44 deg. 00 min. N. **longitude:** 119 deg. 30 min. W. **elevation:** 1350m. **remarks:** Black fruit with stipitate glands, poor set. **Perennial. Wild. Seed.**

PI 556140. *Ribes lobbii* A. Gray

**GROSSULARIACEAE**

**Gooseberry**

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 10, 1984.

**origin:** United States. **pedigree:** Collected from the wild in Oregon. **local name:** Gummy Gooseberry, Oregon Gooseberry, Pioneer Gooseberry. **collected:** August 23, 1984. **locality:** Rogue River Nat'l Fores, Jackson Co. Fish Lake. **latitude:** 42 deg. 00 min. N. **longitude:** 123 deg. 30 min. W. **elevation:** 1500m. **remarks:** Thorny shrub to lm, fruit round-elongate oval, surface with numerous sticky glands. **Perennial. Wild. Seed.**
PI 556141. Ribes lobbii A. Gray GROSSULARIACEAE Gooseberry

Donated by: Jahn, O., USDA/ARS/NCGRCorvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received August 23, 1984.


PI 556142. Ribes lobbii A. Gray GROSSULARIACEAE Gooseberry


PI 556143. Ribes lobbii A. Gray GROSSULARIACEAE Gooseberry


PI 556144. Ribes lobbii A. Gray GROSSULARIACEAE Gooseberry

PI 556144-continued


PI 556145. Ribes lobbii A. Gray GROSSULARIACEAE Gooseberry

**Donated by**: Berry Botanic Garden, Portland, Oregon, United States. Received December 23, 1987.


PI 556146. Ribes lobbii A. Gray GROSSULARIACEAE Gooseberry

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


PI 556147. Ribes mandshuricum (Maxim.) Komarov GROSSULARIACEAE

**Donated by**: Rui, Hau, Jilin Agricultural University, Changchun, Jilin, China. Received January 04, 1985.


PI 556148. Ribes mandshuricum var. subglabratum GROSSULARIACEAE

**Donated by**: Westwood, M.N., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received July 12, 1982.

PI 556149. Ribes maximowiczii Batal. GROSSULARIACEAE Currant


origin: China. **pedigree:** Seedling selection from seed collected in Western China. **local name:** Zarigomi. **collected:** January 01, 1952. Perennial. Cultivated. Cutting.

PI 556150. Ribes maximowiczii Batal. GROSSULARIACEAE Currant

**Donated by:** Hort. Bot. Acad. Sci., Taschkent, Uzbek SSR, USSR. Received April 24, 1987.


PI 556151. Ribes maximowiczii Batal. GROSSULARIACEAE Currant


origin: China. **pedigree:** Selection from the wild from Western China. **local name:** Zarigomi. **collected:** January 01, 1952. Perennial. Cultivated. Plant.

PI 556152 to 556153. Ribes menziesii Pursh GROSSULARIACEAE

**Donated by:** Messinger, W., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States. Received June 20, 1991.


PI 556153 origin: United States. **pedigree:** Collected from the wild in Oregon. **collected:** June 19, 1991. **locality:** Curry County, Brushy Creek. Perennial. Wild. Plant.

PI 556154 to 556155. Ribes meyeri Maxim. GROSSULARIACEAE Currant

**Donated by:** Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received July 26, 1990.
PI 556154 to 556155-continued

PI 556154  
**origin:** USSR.  **pedigree:** Collected from the wild in the USSR.  **collected:** July 16, 1990.  **locality:** Nature preserve in Zailinsky Ala Tau, near a stream.  **remarks:** Densely vegetated area.  Shrubs to 2m tall.  Perennial.  Wild.  Seed.

PI 556155  
**origin:** USSR.  **pedigree:** Collected from the wild in the USSR.  **collected:** July 16, 1990.  **locality:** Nature preserve in Zailinsky Ala Tau, near a stream.  **remarks:** Densely vegetated area.  Shrubs to 2m tall.  Perennial.  Wild.  Seed.

PI 556156. *Ribes meyeri* Maxim.  GROSSULARIACEAE  Currant

**Donated by:** Holloway, P.S., University of Alaska, Fairbanks, Alaska, United States.  Received February 11, 1990.

**origin:** USSR.  **pedigree:** Open pollinated from botanical collection.  **collected:** August 10, 1990.  **remarks:** Original seed source was in Middle Asia.  Perennial.  Cultivated.  Seed.

PI 556157. *Ribes montigenum* Mcclatchie  GROSSULARIACEAE

**Donated by:** Messinger, W., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States.  Received July 18, 1991.

**origin:** United States.  **pedigree:** Collected from the wild in Oregon.  **local name:** Spiny Currant.  **collected:** July 1991.  **locality:** SW of town of Silver Lake along the road shoulder.  **elevation:** 2100m.  Perennial.  Wild.  Plant.

PI 556158. *Ribes nevadense* Kellogg  GROSSULARIACEAE  Currant

**Donated by:** Forest Farm Nursery, Williams, Oregon, United States.  Received May 21, 1991.

**origin:** United States.  **pedigree:** Selected from the wild in California.  **local name:** Mountain Pink Currant.  **locality:** Lake Tahoe, Sierra Nevada Mtns, California.  **remarks:** Catalog description: rounded medium shrub with pendulous clusters of pink flowers and blue fruits.  Perennial.  Cultivated.  Plant.
PI 556159 to 556163. Ribes nigrum L. GROSSULARIACEAE Black Currant

Donated by: Lawrence, F.J., USDA/ARS, Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received 1981.


PI 556164. Ribes nigrum L. GROSSULARIACEAE Black Currant

Donated by: Moore, N., Plant Materials Center, Palmer, Alaska, United States. Received 1981.


PI 556165. Ribes nigrum L. GROSSULARIACEAE Black Currant

Donated by: Denisen, E.L., Iowa State University, Ames, Iowa, United States. Received July 27, 1983.

PI 556166. Ribes nigrum L. GROSSULARIACEAE Black Currant

Donated by: Seibert, T., Forked River, New Jersey, United States. Received 1984.


PI 556167. Ribes nigrum L. GROSSULARIACEAE Black Currant

Donated by: Seibert, T., Forked River, New Jersey, United States. Received February 08, 1984.


PI 556168. Ribes nigrum L. GROSSULARIACEAE Black Currant

Donated by: Sjulin, T., Washington State University, Western Washington Research Station, and Extension Center, Puyallup, Washington, United States. Received January 17, 1984.


PI 556169. Ribes nigrum L. GROSSULARIACEAE Black Currant

Donated by: Schultz, W., Philomath, Oregon, United States. Received February 12, 1986.

origin: United States. historical origin: UNKNOWN. remarks: This clone is an unidentified black currant cultivar, reported to have good juice. Perennial. Cultivar. Cutting.

PI 556170 to 556176. Ribes nigrum L. GROSSULARIACEAE Black Currant


PI 556177 to 556183.  Ribes nigrum L.  GROSSULARIACEAE  Black Currant

Donated by: N.I. Vavilov Institute of Plant, Industry, Leningrad, USSR.  Received December 23, 1987.

PI 556177 to 556183-continued


PI 556184. Ribes nigrum L. GROSSULARIACEAE Black Currant

Donated by: McKay, S., Booneville, California, United States.
Received February 05, 1988.

PI 556185 to 556186. Ribes nigrum L. GROSSULARIACEAE Black Currant


PI 556187 to 556202. Ribes nigrum L. GROSSULARIACEAE Black Currant


PI 556187 origin: United States. historical origin: United Kingdom. cultivar: Baldwin. other id: Baldwin's Black. other id: Carter's Champion. other id: Kent. remarks: This cultivar has been widely grown in England Medium sized berries of good color and flavor. Perennial. Cultivar. Plant.


PI 556187 to 556202-continued

PI 556202  
**origin:** United States.  **historical origin:** Canada.  
**cultivar:** Willoughby.  **remarks:** Mildew-resistant, self-fruitful, late season.  Vigor poor to fair.  Perennial.  Cultivar. Cutting.

PI 556203. Ribes nigrum L. GROSSULARIACEAE Black Currant


**origin:** United States.  **historical origin:** United Kingdom.  **origin institute:** Scottish Crop Research Institute, Invergowrie, Scotland.  **cultivar:** Ben Lomand.  **pedigree:** Composite of cv’s Consort, Magnus, Brodtorp and Janslunda.  Perennial. Cultivar. Cutting.

PI 556204. Ribes nigrum L. GROSSULARIACEAE Black Currant


**origin:** United States.  **historical origin:** Netherlands.  
**cultivar:** Risager. Perennial. Cultivar. Cutting.

PI 556205 to 556224. Ribes nigrum L. GROSSULARIACEAE Black Currant

**Donated by:** Vandenbert, A., Horticultural Research Inst., Vineland, Ontario, Canada. Received April 26, 1989.


PI 556206  **origin:** Canada.  **historical origin:** France.  **cultivar:** Pinot Debourksanof. Perennial. Cultivar. Cutting.

PI 556207  **origin:** Canada.  **cultivar:** Saunders.  **pedigree:** Second generation seedling of cv Naples.  **remarks:** Midseason, vigorous and fairly productive. Medium sized berries that ripen evenly. Perennial. Cultivar. Cutting.

PI 556208  **origin:** Canada.  **historical origin:** United Kingdom.  
**cultivar:** Raven. Perennial. Cultivar. Cutting.

PI 556209  **origin:** Canada.  **historical origin:** United Kingdom.  
**origin institute:** Univ. Bristol Research Station, Long Ashton, England.  **cultivar:** Malvern Cross.  **pedigree:** Baldwin x Victoria.  **other id:** Malvern.  **remarks:** Resembles Baldwin, late season, thick tough skin. Perennial. Cultivar. Cutting.
PI 556210  origin: Canada.  historical origin: United Kingdom.  
origin institute: Scottish Crop Research Institute, Invergowrie, Scotland.  cultivar: Ben Sarek.  pedigree: (Goliath x Ojebyn) OP seedling selection.  remarks: Most appropriate for home gardens and small scale commerce, with good frost tolerance and high yield.  Perennial.  Cultivar.  Cutting.


PI 556205 to 556224-continued

PI 556222  
origin: Canada.  historical origin: Poland.  

PI 556223  
origin: Canada.  historical origin: Poland.  

PI 556224  
origin: Canada.  historical origin: USSR.  

PI 556225 to 556227.  Ribes nigrum L.  GROSSULARIACEAE  Black Currant

Donated by: Reckin, J., Werbellin Experimental Gardens, Werbellin, Germany.  Received March 13, 1990.

PI 556225  
origin: Germany.  historical origin: UNCERTAIN.  

PI 556226  
origin: Germany.  historical origin: UNCERTAIN.  

PI 556227  
origin: Germany.  historical origin: USSR.  
cultivar: Bogatyr.  pedigree: Neosypajuscajasja x Goliath.  

PI 556228 to 556232.  Ribes nigrum L.  GROSSULARIACEAE  Black Currant


PI 556228  
origin: Canada.  historical origin: United Kingdom.  
cultivar: Amos Black.  pedigree: Goliath x Baldwin.  
remarks: This clone is to be propagated for use as a virus indicator.  Perennial.  Cultivar.  Plant.

PI 556229  
origin: Canada.  historical origin: United Kingdom.  
cultivar: Baldwin.  other id: Baldwin's Black.  other id: Carter's Champion.  remarks: This clone is to be propagated for use as a virus indicator.  Perennial.  Cultivar.  Plant.

PI 556230  
origin: Canada.  historical origin: United Kingdom.  
origin institute: Scottish Crop Research Institute, Invergowrie, Scotland.  
cultivar: Ben Alder.  pedigree: Ben Lomond x Ben More.  remarks: Vigorous, easily machine-harvested and has excellent fruit quality suitable for all processing requirements.  Perennial.  Cultivar.  Plant.
PI 556228 to 556232-continued

PI 556231  
**origin:** Canada.  **historical origin:** United Kingdom.  
**origin institute:** Scottish Crop Research Institute, Invergowrie, Scotland.  **cultivar:** Ben Tirren.  Perennial.  
Cultivar.  Plant.

PI 556232  
**origin:** Canada.  **historical origin:** United Kingdom.  
**origin institute:** Scottish Crop Research Institute, Invergowrie, Scotland.  **cultivar:** Ben Lomond.  Perennial.  
Cultivar.  Plant.

PI 556233 to 556243.  *Ribes nigrum* L.  GROSSULARIACEAE  Black Currant

**Donated by:** Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States.  Received July 26, 1990.

PI 556233  
**origin:** USSR.  Perennial.  Cultivar.  Plant.

PI 556234  
**origin:** USSR.  **origin institute:** VIR, Experiment Station, Pavlovsky, Russian SFSR.  **pedigree:** OP seed of cultivar Bagira.  **collected:** July 19, 1990.  **remarks:** Fruit sweet, ripe at collection time.  Perennial.  Breeding Material.  Seed.

PI 556235  
**origin:** USSR.  **origin institute:** VIR, Experiment Station, Pavlovsky, Russian SFSR.  **pedigree:** OP seed of cultivar Binar.  **collected:** July 19, 1990.  **remarks:** Parent cultivar resistant to mites and mildew.  Fruit ripe at collection time.  Perennial.  Breeding Material.  Seed.

PI 556236  
**origin:** USSR.  **origin institute:** VIR, Experiment Station, Pavlovsky, Russian SFSR.  **pedigree:** OP seed of cultivar Lazur.  **collected:** July 19, 1990.  **remarks:** Parent cultivar not completely mildew-resistant.  Fruit ripe at collection time.  Perennial.  Breeding Material.  Seed.

PI 556237  
**origin:** USSR.  **origin institute:** VIR, Experiment Station, Pavlovsky, Russian SFSR.  **pedigree:** OP seed of cultivar Leningradskaya Velican.  **collected:** July 19, 1990.  **remarks:** Parent cultivar is very popular in the USSR.  Fruit is very large.  Ripe at collection time.  Perennial.  Breeding Material.  Seed.

PI 556238  
**origin:** USSR.  **origin institute:** VIR, Experiment Station, Pavlovsky, Russian SFSR.  **pedigree:** OP seed of cultivar Lentay.  **collected:** July 19, 1990.  **remarks:** Parent cultivar has very large fruit but low yields.  Fruit ripe at collection time.  Perennial.  Breeding Material.  Seed.
PI 556239  
**origin:** USSR.  **origin institute:** VIR, Experiment Station, Pavlovsky, Russian SFSR.  **pedigree:** OP seed of cultivar Pilot Aleksandr Mamkin.  **collected:** July 19, 1990.  **remarks:** Parent cultivar from a breeding program in the USSR.  **Fruit ripe at collection time.  Perennial.  Breeding Material.  Seed.**

PI 556240  
**origin:** USSR.  **origin institute:** VIR, Experiment Station, Pavlovsky, Russian SFSR.  **pedigree:** OP seed of Swedish cultivar Titania.  **collected:** July 19, 1990.  **remarks:** Parent cultivar is resistant to mites.  **Fruit ripe at collection time.  Perennial.  Breeding Material.  Seed.**

PI 556241  
**origin:** USSR.  **origin institute:** VIR, Experiment Station, Pavlovsky, Russian SFSR.  **pedigree:** OP seed of cultivar Veloy.  **collected:** July 19, 1990.  **remarks:** Very large, very sweet fruit.  **Ripe at collection.  Perennial.  Breeding Material.  Seed.**

PI 556242  
**origin:** USSR.  **origin institute:** VIR, Experiment Station, Pavlovsky, Russian SFSR.  **pedigree:** OP seed of cultivar Vera Horuschaya.  **collected:** July 19, 1990.  **remarks:** Parent is a new Soviet cultivar.  **Fruit not quite ripe at collection time.  Perennial.  Breeding Material.  Seed.**

PI 556243  
**origin:** USSR.  **origin institute:** VIR, Experiment Station, Pavlovsky, Russian SFSR.  **pedigree:** OP seed of cultivar Volodnika.  **collected:** July 19, 1990.  **remarks:** Fruit ripe at collection time.  **Perennial.  Breeding Material.  Seed.**

PI 556244.  *Ribes nigrum* L.  **GROSSULARIACEAE**  Black Currant

**Donated by:** Holloway, P.S., University of Alaska, Fairbanks, Alaska, United States.  **Received February 11, 1990.**

**origin:** USSR.  **pedigree:** Open pollinated from botanical collection.  **collected:** August 10, 1990.  **Perennial.  Cultivated.  Seed.**

PI 556245 to 556246.  *Ribes nigrum* L.  **GROSSULARIACEAE**  Black Currant

**Donated by:** Miller, S., Smithfield Experiment Station, Trenton, Ontario, Canada.  **Received April 23, 1991.**
PI 556245 to 556246-continued

PI 556245
origin: Canada. historical origin: United Kingdom.
cultivar: Malvern Cross. pedigree: Baldwin x Victoria. other id: Malvern.
remarks: Resembles Baldwin, late season, thick tough skin.

PI 556246
origin: Canada. historical origin: United Kingdom.
origin institute: W. Seabrook & Son, Chalmsford, England.
remarks: Leafs out late, flowers late mid-season. Vigorous, fairly compact, upright, much branched.

PI 556247 to 556248. Ribes nigrum var. sibiricum W. Wolf
GROSSULARIACEAE Black Currant

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received July 26, 1990.

PI 556247

PI 556248

PI 556249 to 556250. Ribes niveum Lindley GROSSULARIACEAE Gooseberry

Donated by: Fredricks, N., Oregon State University, Corvallis, Oregon, United States. Received July 13, 1987.

PI 556249
origin: United States. origin institute: USDA/ARS/NPGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon.
pedigree: Seedling selection from wild Oregon seedlot CRIB 828. local name: Snake River Gooseberry.
PI 556250  
**origin**: United States.  
**origin institute**: USDA/ARS/NPGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon.  
**pedigree**: OP seedling selection from wild Oregon seedlot CRIB 829.  
**local name**: Snake River Gooseberry.  

PI 556251 to 556253. Ribes niveum Lindley  
**GROSSULARIACEAE Gooseberry**

**Donated by**: Messinger, W., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States. Received May 1991.

PI 556251  
**origin**: United States.  
**pedigree**: Collected from the wild in Oregon.  
**collected**: May 16, 1991.  
**locality**: Mile post 11, Little Sheep Highway (Joseph to Imnaha).  
**latitude**: 45 deg. 30 min. N.  
**longitude**: 117 deg. W.  

PI 556252  
**origin**: United States.  
**pedigree**: Collected from the wild in Oregon.  
**collected**: May 16, 1991.  
**locality**: Mile post 11, Little Sheep Highway (Joseph to Imnaha).  
**latitude**: 45 deg. 30 min. N.  
**longitude**: 117 deg. W.  

PI 556253  
**origin**: United States.  
**pedigree**: Collected from the wild in Oregon.  
**locality**: Freeze-out Trailhead, 2.8mi E of the Upper Imnaha Road.  
**latitude**: 45 deg. 40 min. N.  
**longitude**: 116 deg. 50 min. W.  

PI 556254. Ribes odoratum H. L. Wendl.  
**GROSSULARIACEAE Currant**

**Donated by**: Dayton, R., Soil Conservation Service, Plant Materials Center, Manhattan, Kansas, United States. Received September 27, 1982.

**origin**: United States.  
**historical origin**: United States.  
**origin institute**: USDA/ARS/NPGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon.  
**pedigree**: OP seedling selection from wild Kansas seedlot CRIB 814.  
**local name**: Clove Currant, Golden Currant, Buffalo Currant.  
**collected**: September 20, 1982.  
**locality**: Wyandotte County.  
**latitude**: 39 deg. 10 min. N.  
**longitude**: 94 deg. 50 min. W.  

PI 556255. Ribes odoratum H. L. Wendl.  
**GROSSULARIACEAE Ornamental Currant**

**Donated by**: Jaynes, R., Connecticut Experiment Station, New Haven, Connecticut, United States. Received February 01, 1984.
PI 556255-continued

origin: United States. historical origin: UNCERTAIN. 
other id: Puterberry. other id: Crandall. Perennial. 
Cultivar. Plant.

PI 556256. Ribes odoratum H. L. Wendl. GROSSULARIACEAE Ornamental 
Currant

Donated by: Schultz, W., Philomath, Oregon, United States. Received 
February 12, 1986.

cultivar: Crandall. other id: Pewterberry. other id: 
Flowering Currant. remarks: Nice ornamental plant, 
clove-scented blossoms. Fruit is edible. Tolerates hot 

PI 556257. Ribes odoratum H. L. Wendl. GROSSULARIACEAE Currant

Donated by: Rombough, L., Aurora, Oregon, United States. Received 
June 11, 1990.

origin: United States. local name: Clove Currant. other 
id: Crandall. remarks: This may be a golden-fruited 
clone, possibly cultivar Crandall. Perennial. 
Cultivated. Plant.

PI 556258. Ribes orientale Desf. GROSSULARIACEAE Currant

Received February 24, 1987.

origin: USSR. historical origin: United States. origin 
institute: USDA/ARS/NPGR-Corvallis, 33447 Peoria Road, 
Corvallis, Oregon. pedigree: OP seedling selection from 

PI 556259. Ribes orientale Desf. GROSSULARIACEAE Currant

Donated by: Thompson, M.M., Oregon State University, Dept. 
Horticulture, Corvallis, Oregon, United States. Received December 
PI 556259-continued


PI 556260 to 556262. Ribes orientale Desf. GROSSULARIACEAE Currant

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received January 12, 1989.


PI 556263. Ribes oxyacanthoides L. GROSSULARIACEAE Gooseberry

Donated by: Jahn, O., USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received July 07, 1984.

PI 556264. Ribes oxyacanthoides L. GROSSULARIACEAE Gooseberry

Donated by: Devonian Botanical Garden, Edmonton, Alberta, Canada. Received November 07, 1984.


PI 556265. Ribes oxyacanthoides L. GROSSULARIACEAE Gooseberry

Donated by: Moon, K., Lead Hill, Arkansas, United States. Received February 12, 1988.


PI 556266. Ribes oxyacanthoides subsp. irriguum (Douglas) Sinnott GROSSULARIACEAE Gooseberry

Donated by: Chandler, J., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received April 07, 1983.


PI 556267 to 556269. Ribes oxyacanthoides subsp. irriguum (Douglas) Sinnott GROSSULARIACEAE Gooseberry

Donated by: Fredricks, N., Oregon State University, Corvallis, Oregon, United States. Received July 13, 1987.


PI 556267 to 556269-continued

PI 556269  

PI 556270. Ribes oxyacanthoides subsp. irriguum (Douglas) Sinnott  
GROSSULARIACEAE Gooseberry  

Donated by: Messinger, W., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States. Received May 1991.


PI 556271. Ribes oxyacanthoides subsp. setosum (Lindley) Sinnott  
GROSSULARIACEAE Gooseberry  

Donated by: Callan, N., Western Agric. Research Center, Corvallis, Montana, United States. Received April 07, 1983.


PI 556272 to 556273. Ribes palczewskii (Jancz.) Pojark.  
GROSSULARIACEAE  

Donated by: Koropachunsky, I., Central Siberian Botanical Garden, Novosibirsk, USSR. Received January 1991.


PI 556274. Ribes pauciflorum Turcz. ex Pojark. GROSSULARIACEAE
Currant

Received April 24, 1987.


PI 556275. Ribes pauciflorum Turcz. ex Pojark. GROSSULARIACEAE
Currant

Received April 24, 1990.


PI 556276. Ribes petraeum Wulf. GROSSULARIACEAE Red Currant

Donated by: Jaynes, R., Connecticut Experiment Station, New Haven, Connecticut, United States. Received February 01, 1984.


PI 556277. Ribes petraeum Wulf. GROSSULARIACEAE White Currant


PI 556278 to 556281. Ribes petraeum Wulf. GROSSULARIACEAE Red Currant

Donated by: National Fruit Trials, Brogdale Farm, Faversham, Kent, England, United Kingdom. Received November 08, 1989.

140
PI 556278 origin: United Kingdom. historical origin: France.
cultivar: Gondouin. other id: Red Provence. remarks: This variety has been confused in the past with Victoria Plants very vigorous, large, bright red, late berries. Perennial. Cultivar. Cutting.

PI 556279 origin: United Kingdom. historical origin: UNCERTAIN.

PI 556280 origin: United Kingdom. historical origin: UNCERTAIN.

PI 556281 origin: United Kingdom. historical origin: Switzerland.

PI 556282. Ribes petraeum var. atropurpureum (C. A. Mey.) Jancz. GROSSULARIACEAE Red Currant


PI 556283. Ribes petraeum var. carpathicum (Schultes) C. Schneider GROSSULARIACEAE Currant


PI 556284. Ribes punctatum Ruiz & Pav. GROSSULARIACEAE

PI 556284-continued


PI 556285. Ribes quercetorum Greene GROSSULARIACEAE Gooseberry

Donated by: Amaro, M., Lockeford Plant Materials Center, Pleasanton, California, United States. Received January 13, 1983.


PI 556286 to 556289. Ribes roezlii Regel GROSSULARIACEAE Gooseberry

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 15, 1986.


PI 556289 to 556289-continued

PI 556289  
*origin:* United States. *pedigree:* Collected from the wild in California. *local name:* Sierra Gooseberry.  

PI 556290. *Ribes roezlii Regel*  
*GROSSULARIACEAE* Gooseberry  


PI 556291. *Ribes rotundifolium Michx.*  
*GROSSULARIACEAE* Gooseberry  

*Donated by:* Ballington, J.R., North Carolina State Univ., Horticulture Department, Raleigh, North Carolina, United States. Received January 22, 1986.  

PI 556292 to 556296. *Ribes rotundifolium Michx.*  
*GROSSULARIACEAE* Gooseberry  

*Donated by:* Ballington, J.R., North Carolina State Univ., Horticulture Department, Raleigh, North Carolina, United States. Received September 15, 1986.  
PI 556292  


PI 556297. Ribes rotundifolium Michx. GROSSULARIACEAE Gooseberry


PI 556298 to 556300. Ribes rubrum L. GROSSULARIACEAE Red Currant

Donated by: Lawrence, F.J., USDA/ARS, Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received 1981.

PI 556298  origin: United States.  historical origin: Italy.  cultivar: Cherry.  pedigree: Uncertain, perhaps a chance seedling.  other id: Cerise.  other id: Macrocarpa.  other id: Groseille Cerise.  remarks: Fruit is very large, plants do not sucker, canes have a tendency to go blind. Perennial. Cultivar. Plant.
PI 556299

**origin:** United States.  **historical origin:** United States.  
**cultivar:** Fay.  **pedigree:** Cherry x Victoria.  **other id:** Fay's Prolific.  
**remarks:** Fruit is very large, uniform, good for canning.  

PI 556300

**origin:** United States.  **historical origin:** United States.  
**origin institute:** University of Minnesota, Fruit Breeding Farm, Excelsior, Minnesota.  
**cultivar:** Red Lake.  **other id:** Minn. 24 Red Currant.  
**remarks:** This cultivar is susceptible to White Pine Blister Rust.  

PI 556301

**origin:** United States.  **historical origin:** Netherlands.  
**cultivar:** Jonkheer Van Tets.  **pedigree:** Early-ripening seedling selection of Fay's Prolific.  
**remarks:** Ripens early, Plant mod. vigorous, upright, spurring freely.  

PI 556302

**origin:** United States.  **historical origin:** Canada.  
**cultivar:** Stephens No. 9.  
**remarks:** Flowers early, ripens midseason, berries large, compact clusters.  

PI 556303

**origin:** United States.  **historical origin:** United Kingdom.  
**origin institute:** Laxton Brothers, Bedford, England.  
**cultivar:** Laxton No. 1.  
**remarks:** Small berries, outstanding flavor, small seeded, very heavy cropper.  

PI 556304

**Donated by:** Seibert, T., Forked River, New Jersey, United States. 
**Received:** February 08, 1984.

**origin:** United States.  **historical origin:** United Kingdom.  
**cultivar:** Raby Castle.  **pedigree:** Considered a pure descendant of R. rubrum pubescens.  
**other id:** Victoria.  
**remarks:** Once widely grown in Canada and the United States under the name Victoria.  
PI 556305. Ribes rubrum L. GROSSULARIACEAE Currant

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received August 02, 1984.

- **origin:** Poland. **pedigree:** Collected from the wild in Poland. **collected:** July 27, 1984. **locality:** On bank of pond at roadside near Pard on Hwy T81, Platsk. **latitude:** 52 deg. N. **longitude:** 20 deg. E. **elevation:** 100m. **remarks:** This clone may be an escaped cultivar. Perennial. Wild. Seed.

PI 556306 to 556307. Ribes rubrum L. GROSSULARIACEAE White Currant

**Donated by:** Parfitt, B.D.K., Brogdale Exp. Sta., Faversham, Kent, England, United Kingdom. Received January 02, 1986.

PI 556306
- **origin:** United Kingdom. **historical origin:** France. **cultivar:** White Versailles. **pedigree:** Old French cultivar of unknown pedigree. **other id:** Blanche de Versailles. **other id:** Versaillaise Blanche. **other id:** Weisse Versaill. **remarks:** Recommended for warm regions. Susceptible to Pseudopeziza ribis. Perennial. Cultivar. Cutting.

PI 556307
- **origin:** United Kingdom. **historical origin:** UNCERTAIN. **cultivar:** Rosa Hollandische. **locality:** Europe. Perennial. Cultivar. Cutting.

PI 556308 to 556310. Ribes rubrum L. GROSSULARIACEAE Red Currant

**Donated by:** Kennedy, C.T., Calif. Rare Fruit Growers, San Francisco, California, United States. Received December 04, 1987.

PI 556308
- **origin:** United States. **historical origin:** France. **cultivar:** Versailles. **pedigree:** Said to be a seedling selection of Cherry. **other id:** La Versaillaise. **other id:** Red Versailles. **remarks:** Taxonomic placing of this cv is uncertain. Very difficult to distinguish from Cherry and other currants of its group. Perennial. Cultivar. Plant.

PI 556309
- **origin:** United States. **historical origin:** France. **cultivar:** Gloire des Sablons. **pedigree:** Seedling selection of Champagne. **remarks:** Upright, vigorous. Fruit small, white splashed with red. Perennial. Cultivar. Plant.
PI 556308 to 556310-continued

PI 556310  
origin: United States. historical origin: UNCERTAIN.  
cultivar: White Grape. other id: Imperial Yellow. other id: White Antwerp. remarks: This cultivar has the largest cluster and berry of all white currants. Perennial. Cultivar. Plant.

PI 556311 to 556312. Ribes rubrum L. GROSSULARIACEAE White Currant


PI 556311  

PI 556312  

PI 556313 to 556314. Ribes rubrum L. GROSSULARIACEAE White Currant


PI 556313  
origin: United States. historical origin: UNCERTAIN.  
cultivar: White Dutch. other id: White Chrystal. other id: Pearl White. other id: Blanche de Holland. locality: Europe. remarks: Fruits are darker than other white-fruited cultivars, very early and very sweet. Perennial. Cultivar. Cutting.

PI 556314  
origin: United States. historical origin: Belgium.  

PI 556315 to 556316. Ribes rubrum L. GROSSULARIACEAE Pink Currant

Donated by: Reckin, J., Werbellin Experimental Gardens, Werbellin, Germany. Received March 29, 1989.

PI 556315  

PI 556317 to 556318. Ribes rubrum L. GROSSULARIACEAE Red Currant

Donated by: Reckin, J., Werbellin Experimental Gardens, Werbellin, Germany. Received March 13, 1990.


PI 556319 to 556320. Ribes rubrum L. GROSSULARIACEAE Currant

Donated by: White, George, USDA/ARS/PGGI, BARC-West, Beltsville, Maryland, United States. Received September 25, 1989.


PI 556321 to 556365. Ribes rubrum L. GROSSULARIACEAE Red Currant

Donated by: National Fruit Trials, Brogdale Farm, Faversham, Kent, England, United Kingdom. Received November 08, 1989.

PI 556321 origin: United Kingdom. historical origin: France. cultivar: Chenonceau. pedigree: This is a form of Versailles. remarks: Has shorter bunches and ripens later than Versailles. Perennial. Cultivar. Cutting.

PI 556322 origin: United Kingdom. historical origin: Italy. cultivar: Cherry. pedigree: Uncertain, perhaps a chance seedling. other id: Cerise. other id: Macrocarpa. other id: Groseille Cerise. remarks: Fruit is very large, not uniform, canes tend to go 'blind'. Perennial. Cultivar. Cutting.
PI 556321 to 556365-continued

PI 556323 origin: United Kingdom. historical origin: France. 

PI 556324 origin: United Kingdom. cultivar: Comet. other id: 
Possibly Fay. remarks: Thought by some to be identical 
Cutting.

PI 556325 origin: United Kingdom. historical origin: UNCERTAIN. 
cultivar: Fay's New Prolific. pedigree: Probably a 
seedling selection of Fay. remarks: This may represent 
an improvement on the cv Fay, or may perhaps be Fay. No 
pedigree information provided on receipt. Perennial. 
Cultivar. Cutting.

PI 556326 origin: United Kingdom. cultivar: Fillbasket. 

PI 556327 origin: United Kingdom. historical origin: UNCERTAIN. 
Cutting.

PI 556328 origin: United Kingdom. historical origin: Netherlands. 
cultivar: Jonkheer Van Tets. pedigree: Early-ripening 
seedling selection of Fay's Prolific. remarks: Ripens 
early, plant moderately vigorous, upright. Perennial. 
Cultivar. Cutting.

PI 556329 origin: United Kingdom. historical origin: UNCERTAIN. 

PI 556330 origin: United Kingdom. historical origin: United 
Cultivar. Cutting.

PI 556331 origin: United Kingdom. historical origin: United 
Kingdom. cultivar: Lack's Monster No. 2. Perennial. 
Cultivar. Cutting.

PI 556332 origin: United Kingdom. origin institute: Laxton 
remarks: Small berries, outstanding flavor, small seeded, 

PI 556333 origin: United Kingdom. origin institute: Laxton 
Brothers, Bedford, England. cultivar: Laxton's 

PI 556334 origin: United Kingdom. cultivar: Littlecroft Beauty. 

PI 556336  origin: United Kingdom.  historical origin: United States.  cultivar: North Star.  pedigree: Chance seedling.  remarks: This cv was purchased and introduced by the Jewell Nursery Company, Lake City, Minnesota.  Perennial.  Cultivar. Cutting.


PI 556321 to 556365-continued

PI 556347  origin: United Kingdom.  historical origin: UNCERTAIN.  

PI 556348  origin: United Kingdom.  historical origin: France.  
cultivar: Bar-le-Duc.  remarks: Plants vigorous, fruits large, white, translucent with very few seeds, sweet.  Perennial.  Cultivar.  Cutting.

PI 556349  origin: United Kingdom.  historical origin: UNCERTAIN.  

PI 556350  origin: United Kingdom.  historical origin: UNCERTAIN.  

PI 556351  origin: United Kingdom.  historical origin: UNCERTAIN.  

PI 556352  origin: United Kingdom.  historical origin: UNCERTAIN.  


PI 556354  origin: United Kingdom.  historical origin: UNCERTAIN.  

PI 556355  origin: United Kingdom.  historical origin: UNCERTAIN.  

PI 556356  origin: United Kingdom.  historical origin: UNCERTAIN.  

PI 556357  origin: United Kingdom.  cultivar: White Cherry.  

PI 556358  origin: United Kingdom.  historical origin: UNCERTAIN.  
cultivar: White Dutch.  other id: White Clinton.  other id: White Antwerp.  locality: Europe.  remarks: Fruit is darker than other white-fruited cultivars, very early and very sweet.  Perennial.  Cultivar.  Cutting.
PI 556359  
**origin:** United Kingdom.  
**historical origin:** France.  
**cultivar:** White Transparent.  
**pedigree:** Said to be a White Grape seedling.  
**remarks:** Resembles White Grape very closely, is often confused with that cultivar.  
**Perennial. Cultivar. Cutting.**

PI 556360  
**origin:** United Kingdom.  
**historical origin:** France.  
**cultivar:** White Versailles.  
**other id:** Weisse Versailles.  
**other id:** Blanche de Versailles.  
**other id:** Versaillaise Bl..  
**remarks:** Berries large, slightly darker than White Grape.  
**Perennial. Cultivar. Cutting.**

PI 556361  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Couleur de Chair.  
**Perennial. Cultivar. Cutting.**

PI 556362  
**origin:** United Kingdom.  
**historical origin:** France.  
**cultivar:** Gloire des Sablons.  
**pedigree:** Seedling selection of Champagne.  
**remarks:** Upright, vigorous.  
**Fruit small, white splashed with red.**  
**Perennial. Cultivar. Cutting.**

PI 556363  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Holland Rose.  
**Perennial. Cultivar. Cutting.**

PI 556364  
**origin:** United Kingdom.  
**historical origin:** United States.  
**cultivar:** October Red.  
**other id:** October Currant.  
**Perennial. Cultivar. Cutting.**

PI 556365  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Rosa Hollandische.  
**locality:** Europe.  
**Perennial. Cultivar. Cutting.**

PI 556366. Ribes rubrum L. GROSSULARIACEAE Red Currant

**Donated by:** Widrlechner, M.P., USDA/ARS/NC-7, Iowa State University, Ames, Iowa, United States. Received July 23, 1990.

**origin:** Czechoslovakia.  
**other id:** Ames 4346.  
**source:** NC-7.  
**group:** Ames.  
**Perennial. Seed.**

PI 556367. Ribes rubrum L. GROSSULARIACEAE Red Currant

**Donated by:** Holloway, P.S., University of Alaska, Fairbanks, Alaska, United States. Received February 11, 1990.

**origin:** USSR.  
**pedigree:** Open pollinated from botanical collection.  
**collected:** August 10, 1990.  
**Perennial. Cultivated. Seed.**
PI 556368 to 556369. Ribes rubrum L. GROSSULARIACEAE Red Currant

**Donated by:** Miller, S., Smithfield Experiment Station, Trenton, Ontario, Canada. Received April 23, 1991.

PI 556368  
**origin:** Canada. **historical origin:** United States.  
**origin institute:** Private breeder, Brighton, New York.  
**cultivar:** Diploma. **remarks:** The light red fruits are more transparent than those of other red currants, fruits are juicy and good for jellies. Perennial. Cultivar. Cutting.

PI 556369  
**origin:** Canada. **historical origin:** UNCERTAIN. **cultivar:** Pomona. Perennial. Cultivar. Cutting.

PI 556370. Ribes sanguineum Pursh GROSSULARIACEAE Currant

**Donated by:** Westwood, M.N., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received July 26, 1983.

**origin:** United States. **origin institute:** USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon. **pedigree:** OP seedling selection from wild Oregon seedlot CRIB 808. **local name:** Red Flowering Currant, Blood Currant. **other id:** Ames 3008. Perennial. Breeding Material. Plant.

PI 556371. Ribes sanguineum Pursh GROSSULARIACEAE Currant

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received July 20, 1983.

**origin:** United States. **pedigree:** Collected from the wild in Oregon. **local name:** Red Flowering Currant, Blood Currant. **collected:** July 20, 1983. **other id:** Ames 3010. **locality:** In a woodland off Terra Circle, near Corvallis. **latitude:** 44 deg. 35 min. N. **longitude:** 123 deg. 20 min. W. **remarks:** Composite sample from three plants. Perennial. Wild. Seed.

PI 556372. Ribes sanguineum Pursh GROSSULARIACEAE Currant

**Donated by:** Westwood, M.N., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 05, 1983.
PI 556372-continued


PI 556373. Ribes sanguineum Pursh GROSSULARIACEAE Currant

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received July 07, 1984.


PI 556374 to 556375. Ribes sanguineum Pursh GROSSULARIACEAE Currant


PI 556376 to 556379. Ribes sanguineum Pursh GROSSULARIACEAE Currant

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 15, 1986.


PI 556380. Ribes sanguineum Pursh GROSSULARIACEAE Currant

Donated by: Berry Botanic Garden, Portland, Oregon, United States. Received December 23, 1987.


PI 556381. Ribes sanguineum Pursh GROSSULARIACEAE Ornamental Currant


PI 556382. Ribes sanguineum Pursh  GROSSULARIACEAE  Currant

Donated by: Roche-Blake, J., USDA Forest Service, Coeur d'Alene, Idaho, United States. Received August 31, 1989.


PI 556383 to 556386. Ribes sanguineum Pursh  GROSSULARIACEAE  Currant

Donated by: Whitman, L., Salem, Oregon, United States. Received March 01, 1991.


PI 556387. Ribes sanguineum Pursh  GROSSULARIACEAE  Currant

Donated by: Forest Farm Nursery, Williams, Oregon, United States. Received May 21, 1991.


PI 556388 to 556389. Ribes sanguineum Pursh  GROSSULARIACEAE  Currant

Donated by: Hummer, K.E., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received May 25, 1991.
PI 556388 to 556389-continued

PI 556388  
origin: United States.  
cultivar: Claremont.  
pedigree: Selection from native Californian plant material.  
local name: Red Flowering Currant, Blood Currant.  
Perennial.  
Cultivar.  
Plant.

PI 556389  
origin: United States.  
cultivar: King Edward VII.  
pedigree: Selection from native Californian plant material.  
local name: Red Flowering Currant, Blood Currant.  
Perennial.  
Cultivar.  
Plant.

PI 556390. Ribes sp. GROSSULARIACEAE Gooseberry

Donated by: Chandler, J., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received April 07, 1983.

origin: United States.  
historical origin: United States.  
origin institute: USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon.  
pedigree: OP seedling selection from wild Montana seedlot CRIB 811.  
Perennial.  
Breeding Material.  
Plant.

PI 556391. Ribes sp. GROSSULARIACEAE Gooseberry

Donated by: Callan, N., Western Agric. Research Center, Corvallis, Montana, United States. Received April 07, 1983.

origin: United States.  
pedigree: Collected from the wild in Montana.  
collected: September 17, 1982.  
locality: Little Rock Creek Lake.  
latitude: 47 deg. N.  
longitude: 114 deg. W.  
remarks: Very large, late fruits, plants vigorous, dense and suckering.  
Perennial.  
Wild.  
Seed.

PI 556392. Ribes sp. GROSSULARIACEAE

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received April 07, 1983.

origin: United States.  
pedigree: Collected from the wild in Wyoming.  
collected: 1983.  
locality: Grand Teton Nat'l Park.  
latitude: 43 deg. 50 min. N.  
longitude: 110 deg. 50 min. W.  
Perennial.  
Wild.  
Plant.

PI 556393. Ribes sp. GROSSULARIACEAE Gooseberry

Donated by: Young, G., Lockford Plant Materials Center, Pleasanton, California, United States. Received August 11, 1982.
PI 556393-continued


PI 556394. Ribes sp. GROSSULARIACEAE

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received July 20, 1983.


PI 556395 to 556396. Ribes sp. GROSSULARIACEAE Gooseberry

Donated by: Widrlechner, M., USDA/ARS/NC-7, Iowa State University, Ames, Iowa, United States. Received April 26, 1984.


PI 556397 to 556398. Ribes sp. GROSSULARIACEAE Currant

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received July 07, 1984.


PI 556399 to 556401. Ribes sp. GROSSULARIACEAE Currant

**Donated by:** Jahn, O., USDA/ARS/NCGRCorvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 10, 1984.


**PI 556402. Ribes sp. GROSSULARIACEAE**

**Donated by:** Jahn, O., USDA/ARS/NCGRCorvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received July 01, 1985.


**PI 556403. Ribes sp. GROSSULARIACEAE Currant**

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

PI 556404 to 556407. Ribes sp. GROSSULARIACEAE Gooseberry

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 15, 1986.

**PI 556404**
- **origin:** United States. **pedigree:** Collected from the wild in California. **collected:** August 04, 1986. **locality:** Along Antelope Creek Road south of Haight Mountain. **latitude:** 41 deg. 25 min. N. **longitude:** 121 deg. 55 min. W. **remarks:** Thorny spreading shrub, crop moderate to heavy, thorny fruit. Perennial. Wild. Seed.

**PI 556405**
- **origin:** United States. **historical origin:** United States. **origin institute:** USDA/ARS/NCRG-Corvallis, 33447 Peoria Road, Corvallis, Oregon. **pedigree:** Seedling selection from wild Californian seedlot. Perennial. Breeding Material. Plant.

**PI 556406**
- **origin:** United States. **pedigree:** Collected from the wild in California. **collected:** August 05, 1986. **locality:** Shasta Nat'l Forest, Big Sand Flat. **latitude:** 41 deg. 15 min. N. **longitude:** 121 deg. 50 min. W. **elevation:** 1250m. **remarks:** Shrub to 1.5m, crop light. Perennial. Wild. Seed.

**PI 556407**
- **origin:** United States. **pedigree:** Collected from the wild in California. **collected:** August 06, 1986. **locality:** Plumas Nat'l Forest, dry springs area at edge of large meadow. **latitude:** 39 deg. 40 min. N. **longitude:** 121 deg. 00 min. W. **elevation:** 1770m. **remarks:** Typical thorny plant and fruit. Perennial. Wild. Seed.

PI 556408. Ribes sp. GROSSULARIACEAE Red Currant

**Donated by:** Cacciotti, R., Cranston, Rhode Island, United States. Received October 08, 1988.

- **origin:** United States. **historical origin:** UNCERTAIN. **cultivar:** Masons. Perennial. Cultivar. Plant.

PI 556409. Ribes sp. GROSSULARIACEAE


- **origin:** United States. **historical origin:** UNCERTAIN. **cultivar:** Mopsy. Perennial. Cultivar. Plant.
PI 556410. Ribes sp. GROSULARIACEAE Currant

**Donated by:** White, George, USDA/ARS/PGGI, BARC-West, Beltsville, Maryland, United States. Received March 15, 1989.

**origin:** Switzerland. **pedigree:** Collected from private garden in Switzerland. **collected:** August 1988. **remarks:** Received to identify cuttings which died in quarantine. Perennial. Cultivated. Seed.

PI 556411 to 556413. Ribes sp. GROSULARIACEAE Currant

**Donated by:** Reckin, J., Werbellin Experimental Gardens, Werbellin, Germany. Received March 29, 1989.

PI 556411 **origin:** Germany. **cultivar:** Vierlander. Perennial. Cultivar. Cutting.

PI 556412 **origin:** UNCERTAIN. **cultivar:** Rote Spatlese. **other id:** Guoseille Raisin. **other id:** Industria. **other id:** Macherauch. **remarks:** Avoids late frost damage, a regular and heavy cropper. Perennial. Cultivar. Cutting.

PI 556413 **origin:** Germany. **historical origin:** UNCERTAIN. **cultivar:** Bojaty. Perennial. Cultivar. Cutting.

PI 556414 to 556417. Ribes sp. GROSULARIACEAE Gooseberry

**Donated by:** Luby, J.J., University of Minnesota, St. Paul, Minnesota, United States. Received August 10, 1989.

PI 556414 **origin:** United States. **historical origin:** United States. **origin institute:** USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon. **pedigree:** Seedling selection from wild South Dakota seedlot CRIB 841. Perennial. Breeding Material. Plant.

PI 556415 **origin:** United States. **historical origin:** United States. **origin institute:** USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon. **pedigree:** Seedling selection from wild South Dakota seedlot CRIB 842. Perennial. Breeding Material. Plant.

PI 556416 **origin:** United States. **pedigree:** Collected from the wild in South Dakota. **collected:** 1989. **locality:** Black Hills Nat'l Forest, Palmer Creek. **latitude:** 43 deg. 45 min. N. **longitude:** 103 deg. 30 min. W. **elevation:** 1400m. **remarks:** Black Currant (?). Perennial. Wild. Seed.

PI 556418 to 556421. Ribes sp. GROSSULARIACEAE

Donated by: White, George, USDA/ARS/PGGI, BARC-West, Beltsville, Maryland, United States. Received September 25, 1989.


PI 556422 to 556424. Ribes sp. GROSSULARIACEAE


PI 556422 to 556424—continued


PI 556425. Ribes sp. GROSSULARIACEAE

Donated by: Burke, M.J., Oregon State University, Corvallis, Oregon, United States. Received February 16, 1990.


PI 556426. Ribes sp. GROSSULARIACEAE


PI 556427. Ribes sp. GROSSULARIACEAE Currant

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received July 26, 1990.

origin: USSR. pedigree: Open pollinated from botanical collection. collected: July 09, 1990. remarks: One plant in botanical garden, with only 2 fruit. Botanist indicated that the name is R. biflora, but id questionable. Perennial. Cultivated. Seed.

PI 556428. Ribes sp. GROSSULARIACEAE

Donated by: Luby, J.J., University of Minnesota, St. Paul, Minnesota, United States. Received August 24, 1989.
PI 556428-continued

**origin:** United States. **pedigree:** Collected from the wild in Idaho. **collected:** 1989. **locality:** Bitterroot Nat'l Forest, Hell's Half Acre Mountain, old burn. **latitude:** 45 deg. 50 min. N. **longitude:** 115 deg. 15 min. W. **elevation:** 2440m. **remarks:** Originally received as Vaccinium sp. (CVAC 679). Perennial. Wild. Seed.

PI 556429. Ribes sp. GROSSULARIACEAE

**Donated by:** Holloway, P.S., University of Alaska, Fairbanks, Alaska, United States. Received February 11, 1990.

**origin:** USSR. **pedigree:** Open pollinated from botanical collection. **collected:** August 10, 1990. Perennial. Cultivated. Seed.

PI 556430 to 556431. Ribes sp. GROSSULARIACEAE

**Donated by:** Messinger, W., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States. Received May 1991.

PI 556430

**origin:** United States. **pedigree:** Collected from the wild in Oregon. **collected:** May 16, 1991. **locality:** Hat Point Road, above Imnaha. **latitude:** 45 deg. 35 min. N. **longitude:** 116 deg. 50 min. W. Perennial. Wild. Plant.

PI 556431

**origin:** United States. **pedigree:** Collected from the wild in Oregon. **collected:** May 18, 1991. **locality:** 10.2mi W of Elgin on the Elgin to Tollgate Road. **latitude:** 45 deg. 35 min. N. **longitude:** 118 deg. W. Perennial. Wild. Plant.

PI 556432. Ribes sp. GROSSULARIACEAE

**Donated by:** Messinger, W., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States. Received July 18, 1991.

**origin:** United States. **pedigree:** Collected from the wild in Oregon. **collected:** July 1991. **locality:** Face and foot of sheer cliffs SW of Silver Lake. **elevation:** 2467m. **remarks:** Trailing shrub rooting at shoot tips, mixed conifer forest in assoc. w/Cercocarpus and Holodiscus. Perennial. Wild. Plant.
PI 556433. Ribes sp. GROSSULARIACEAE Gooseberry

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

**origin:** United States. **pedigree:** Collected from the wild in Pennsylvania. **collected:** July 23, 1991. **locality:** Bear Meadows, half way down the hill near the bog site. **perennial:** Wild. **cutting:**

PI 556434. Ribes speciosum Pursh GROSSULARIACEAE Gooseberry

**Donated by:** Witt, J.A., Washington Park Arboretum, Seattle, Washington, United States. Received December 09, 1983.

**origin:** United States. **pedigree:** Seedling selection from seed collected in California. **local name:** Garnet Gooseberry, Fuschsia-Flowering Gooseberry. **perennial:** Cultivated. **cutting:**

PI 556435. Ribes spicatum Robson GROSSULARIACEAE

**Donated by:** Hort. Bot. Acad. Sci., Taschkent, Uzbek SSR, USSR. Received April 24, 1990.

**origin:** USSR. **historical origin:** United States. **origin institute:** USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon. **pedigree:** Seedling selection from OP seedot CRIB 849. **perennial:** Breeding Material. **plant:**

PI 556436. Ribes spicatum Robson GROSSULARIACEAE

**Donated by:** Holloway, P.S., University of Alaska, Fairbanks, Alaska, United States. Received February 11, 1990.

**origin:** USSR. **pedigree:** Open pollinated from botanical collection. **collected:** August 10, 1990. **perennial:** Seed.

PI 556437. Ribes stenocarpum Maxim. GROSSULARIACEAE Gooseberry

**Donated by:** Jaynes, R., Connecticut Experiment Station, New Haven, Connecticut, United States. Received February 01, 1984.

**origin:** UNKNOWN. **historical origin:** United States. **origin institute:** University of Connecticut, Agricultural Experiment Station, New Haven, Connecticut. **remarks:** Used for mildew resistance. **perennial:** Breeding Material. **plant:**

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PI 556438. Ribes triste Pall. GROSSULARIACEAE Currant

**Donated by:** Moore, N., Plant Materials Center, Palmer, Alaska, United States. Received May 26, 1982.

**origin:** United States. **pedigree:** Collected from the wild in Alaska. **local name:** Swamp Red Currant. **collected:** April 1974. **latitude:** 65 deg. N. **longitude:** 150 deg. W. **Perennial. Wild. Plant.**

PI 556439. Ribes triste Pall. GROSSULARIACEAE Currant

**Donated by:** Devonian Botanical Garden, Edmonton, Alberta, Canada. Received November 07, 1984.

**origin:** Canada. **pedigree:** Open pollinated from botanical collection. **local name:** Swamp Red Currant. **Perennial. Cultivated. Seed.**

PI 556440. Ribes triste Pall. GROSSULARIACEAE Currant

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 15, 1986.

**origin:** United States. **pedigree:** Collected from the wild in Alaska. **local name:** Swamp Red Currant. **collected:** August 31, 1986. **locality:** Matanuska Glacier State Rec. Area, 50 miles E of Palmer. **latitude:** 62 deg. 10 min. N. **longitude:** 145 deg. 30 min. W. **elevation:** 480m. **remarks:** Fruit red, very ripe, good flavor Spreading deciduous, thornless shrub. **Perennial. Wild. Seed.**

PI 556441. Ribes ussuriense Jancz. GROSSULARIACEAE Currant

**Donated by:** Jaynes, R., Connecticut Experiment Station, New Haven, Connecticut, United States. Received February 01, 1984.

**origin:** Canada. **origin institute:** Agriculture Canada, Research Station, Ottawa, Ontario. **pedigree:** Selection from the wild. **remarks:** This is said to be a parent of Consort. **Perennial. Breeding Material. Plant.**

PI 556442. Ribes uva-crispa L. GROSSULARIACEAE Gooseberry

**Donated by:** Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received April 07, 1983.
PI 556442-continued


PI 556443. Ribes uva-crispa L. GROSSULARIACEAE Gooseberry


PI 556444. Ribes uva-crispa L. GROSSULARIACEAE Gooseberry

Donated by: Hiirsalmi, H., Agricultural Research Center, Dept. Horticulture, Piikio, Finland. Received March 07, 1986.


PI 556445 to 556446. Ribes velutinum var. gooddingii (M. Peck) C. Hitchc. GROSSULARIACEAE

Donated by: Messinger, W., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States. Received May 1991.


PI 556447. Ribes viburnifolium A. Gray GROSSULARIACEAE Currant

Donated by: Forest Farm Nursery, Williams, Oregon, United States. Received May 21, 1991.
PI 556447-continued


PI 556448. Ribes viburnifolium A. Gray GROSSULARIACEAE Currant

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


PI 556449. Ribes viscosissimum GROSSULARIACEAE Currant


PI 556450. Ribes viscosissimum GROSSULARIACEAE Currant

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 27, 1984.


PI 556451. Ribes viscosissimum GROSSULARIACEAE Currant

Donated by: Jahn, O., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 18, 1985.
PI 556451-continued


PI 556452. Ribes viscosissimum GROSSULARIACEAE Currant

Donated by: Fredricks, N., Oregon State University, Corvallis, Oregon, United States. Received July 13, 1987.


PI 556453. Ribes viscosissimum GROSSULARIACEAE Currant

Donated by: Chambers, H., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 27, 1989.


PI 556454 to 556455. Ribes wolfii Rothr. GROSSULARIACEAE Currant

Donated by: Thompson, M.M., Oregon State University, Horticulture Department, Corvallis, Oregon, United States. Received August 26, 1987.


PI 556456. Gossypium hirsutum L. MALVACEAE Upland cotton

Donated by: Percival, A.E., Cotton Collection, Agricultural Research Service -- USDA, P.O. Box DN, College Station, Texas, United States. remarks: Mississippi Obsolete Variety Collection - Gossypium hirsutum. Received February 1989.

origin: Bulgaria. other id: SA 1231. Seed.

PI 556457 to 556466. Triticum aestivum L. POACEAE Wheat

Donated by: Biggs, K.G., University of Alberta, Plant Science Department, Edmonton, Alberta, Canada. Received 1984.


PI 556457 to 556466-continued


PI 556457 to 556466-continued

PI 556465  
**origin:** Canada.  
**origin institute:** University of Alberta, Edmonton, Alberta.  
**cultivar:** 78M-352-001-001.  
**pedigree:** 21931/Ch53/2*LR64/3/8156/4/Nar59'S'.  
**other id:** GP-265.  
**source:** Crop Sci. 25(2):374 1985.  
**group:** CSR-WHEAT.  
**remarks:** Early maturing, high yield, semi-dwarf type. Adapted to the long photoperiod and short growing season areas of northern and central Alberta. Spring Annual. Breeding Material. Seed.

PI 556466  
**origin:** Canada.  
**origin institute:** University of Alberta, Edmonton, Alberta.  
**cultivar:** 77M-545-001-001.  
**pedigree:** Bonza/2*Africa Mayo.  
**other id:** GP-266.  
**source:** Crop Sci. 25(2):374 1985.  
**group:** CSR-WHEAT.  
**remarks:** Early maturing, high yield, semi-dwarf type. Adapted to the long photoperiod and short growing season areas of northern and central Alberta. Spring Annual. Breeding Material. Seed.

PI 556467. Glycine max (L.) Merr. FABACEAE Soybean  
**Donated by:** Cokers Pedigreed Seed Co., Hartsville, South Carolina, United States. Received 1971.

**origin:** United States.  
**origin institute:** Cokers Pedigreed Seed Co., Hartsville, South Carolina.  
**cultivar:** Coker Hampton 266A.  
**other id:** PVP 7100022.  
**source:** Expired (terminated).  
**group:** PVPO.  

PI 556468. Glycine max (L.) Merr. FABACEAE Soybean  
**Donated by:** Syler, Inc., United States. Received 1973.

**origin:** United States.  
**origin institute:** Syler, Inc..  
**cultivar:** BUCCANEER.  
**other id:** PVP 7300010.  
**source:** Expired (terminated).  
**group:** PVPO.  
**Annual. Cultivar. Seed.**

PI 556469. Glycine max (L.) Merr. FABACEAE Soybean  
**Donated by:** Bellatti, L., United States. Received 1973.

**origin:** United States.  
**cultivar:** SEEDMAKERS I-E.  
**other id:** PVP 7200078.  
**source:** Expired (terminated).  
**group:** PVPO.  
**Annual. Cultivar. Seed.**
PI 556470 to 556472. Glycine max (L.) Merr. FABACEAE

Donated by: Teweles Seed Company, United States. Received 1974.


PI 556473 to 556477. Glycine max (L.) Merr. FABACEAE


PI 556478 to 556479. Glycine max (L.) Merr. FABACEAE

Donated by: FFR Cooperative, Indiana, United States. Received 1974.
PI 556478 to 556479-continued

PI 556478  
**origin:** United States. **origin institute:** FFR Cooperative, Indiana. **cultivar:** FFR 777. **other id:** PVP 7300018. **source:** Expired (terminated). **group:** PVPO. Annual. Cultivar. Seed.

PI 556479  
**origin:** United States. **origin institute:** FFR Cooperative, Indiana. **cultivar:** FFR 666. **other id:** PVP 7300017. **source:** Expired (terminated). **group:** PVPO. Annual. Cultivar. Seed.

PI 556480 to 556481. Glycine max (L.) Merr. FABACEAE

**Donated by:** McNair Seed Company, Laurinburg, North Carolina, United States. Received 1974.

PI 556480  
**origin:** United States. **origin institute:** McNair Seed Company, Laurinburg, North Carolina. **cultivar:** McNair 600. **pedigree:** F9 single plant selection from an advanced bulk population from the USDA, Stoneville, Mississippi. **other id:** PVP 7100075. **source:** Expired (terminated). **group:** PVPO. **other id:** CV-146. **source:** Crop Sci. 21(1):145 1981. **group:** CSR-SOYBEAN. **remarks:** Maturity Group VI, similar to Lee. Determinant plant type. Flowers purple. Pubescence tawny. Pod walls tan. Seeds yellow with black hila. Height averages 9 cm shorter than Lee. Resistant to bacterial pustule and target spot. Moderately resistant to root-knot nematode (Meloidogyne arenaria). Susceptible to M. incognita and phytophthora rot. Annual. Cultivar. Seed.

PI 556481  
**origin:** United States. **origin institute:** McNair Seed Company, Laurinburg, North Carolina. **cultivar:** McNair 800. **pedigree:** Roanoke/N45-745. **other id:** PVP 7100042. **source:** Expired (terminated). **group:** PVPO. **other id:** CV-147. **source:** Crop Sci. 21(1):145 1981. **group:** CSR-SOYBEAN. **remarks:** Maturity Group VII, averaging 6 days later than Bragg. Flowers white. Pubescence grey. Pod walls tan. Seeds yellow with buff hila. Determinant growth type. Height averages 12 cm shorter than Bragg. Adapted to the Piedmont soils of North Carolina, South Carolina, Georgia and Alabama. Resistant to bacterial pustule and target spot. Susceptible to phytophthora rot. Annual. Cultivar. Seed.

PI 556482. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Northrup King Company, United States. Received 1974.
PI 556482-continued


PI 556483. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Lynnville Seed Company, United States. Received 1974.


PI 556484. Glycine max (L.) Merr. FABACEAE Soybean


PI 556485 to 556487. Glycine max (L.) Merr. FABACEAE


PI 556488 to 556490. Glycine max (L.) Merr. FABACEAE

PI 556488. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Bryco Plant Research Division, United States. Received 1975.


PI 556490. Glycine max (L.) Merr. FABACEAE Soybean


PI 556494. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Ring Around Products, Inc., United States. Received 1975.
PI 556494-continued


PI 556495 to 556496. Glycine max (L.) Merr. FABACEAE

Donated by: Asgrow Seed Company, United States. Received 1976.


PI 556497. Glycine max (L.) Merr. FABACEAE Soybean


PI 556498. Glycine max (L.) Merr. FABACEAE Soybean


PI 556499 to 556500. Glycine max (L.) Merr. FABACEAE


PI 556501 to 556503. Glycine max (L.) Merr. FABACEAE

Donated by: Northrup King Company, United States. Received 1976.


PI 556504. Glycine max (L.) Merr. FABACEAE


PI 556505. Glycine max (L.) Merr. FABACEAE Soybean


PI 556506. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: McNair Seed Company, Laurinburg, North Carolina, United States. Received 1976.
PI 556506-continued


PI 556507 to 556511. Glycine max (L.) Merr. FABACEAE

Donated by: Asgrow Seed Company, United States. Received 1977.


PI 556512. Glycine max (L.) Merr. FABACEAE Soybean

PI 556512-continued


PI 556513. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Ferry-Morse Seed Company, United States. Received 1977.


PI 556514. Glycine max (L.) Merr. FABACEAE

Donated by: Cokers Pedigreed Seed Co., Hartsville, South Carolina, United States. Received 1973.


PI 556515. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Cokers Pedigreed Seed Co., Hartsville, South Carolina, United States. Received 1976.


PI 556516. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Terral-Norris Seed Co., Inc., United States. Received 1977.
PI 556516-continued


PI 556517. Glycine max (L.) Merr. FABACEAE Soybean


PI 556518. Glycine max (L.) Merr. FABACEAE

Donated by: Northrup King Company, United States. Received 1977.


PI 556519. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: FFR Cooperative, Indiana, United States. Received 1977.


PI 556520 to 556523. Glycine max (L.) Merr. FABACEAE


PI 556522  
**origin**: United States. **origin institute**: Soybean Research Foundation, Inc.  

PI 556523  
**origin**: United States. **origin institute**: Soybean Research Foundation, Inc.  

PI 556524. Glycine max (L.) Merr. FABACEAE Soybean  
**Donated by**: V.R. Seeds, Inc., United States. Received 1978.  
**origin**: United States. **origin institute**: V.R. Seeds, Inc.  
**cultivar**: IKE. **other id**: PVP 7700081. **source**: Certificate in force. **group**: PVPO. Annual. Cultivar. Seed.

PI 556525. Glycine max (L.) Merr. FABACEAE Soybean  
**Donated by**: Americana Seeds, Inc., United States. Received 1978.  
**origin**: United States. **origin institute**: Americana Seeds, Inc.  

PI 556526 to 556529. Glycine max (L.) Merr. FABACEAE Soybean  
**Donated by**: Asgrow Seed Company, United States. Received 1978.  
PI 556526  
**origin**: United States. **origin institute**: Asgrow Seed Company.  

PI 556527  
**origin**: United States. **origin institute**: Asgrow Seed Company.  

PI 556528  
**origin**: United States. **origin institute**: Asgrow Seed Company.  
PI 556526 to 556529-continued

PI 556529  
origin: United States. origin institute: Asgrow Seed Company.  
cultivar: A5618.  
other id: PVP 7800018.  
source: Certificate in force.  
group: PVPO. Annual.  
Cultivar.  
Seed.

PI 556530 to 556531. Glycine max (L.) Merr. FABACEAE

Donated by: Jacques Seed Company, United States.  
Received 1978.

PI 556530  
origin: United States.  
origin institute: Jacques Seed Company.  
cultivar: J-102A.  
other id: PVP 7700056.  
source: Certificate abandoned.  
group: PVPO. Annual.  
Cultivar.  
Seed.

PI 556531  
origin: United States.  
origin institute: Jacques Seed Company.  
cultivar: J-84A.  
other id: PVP 7700055.  
source: Certificate abandoned.  
group: PVPO. Annual.  
Cultivar.  
Seed.

PI 556532 to 556534. Glycine max (L.) Merr. FABACEAE

Donated by: Ring Around Products, Inc., United States.  
Received 1978.

PI 556532  
origin: United States.  
origin institute: Ring Around Products, Inc.  
cultivar: RA-501A.  
other id: PVP 7605006.  
source: Certificate in force.  
group: PVPO. Annual.  
Cultivar.  
Seed.

PI 556533  
origin: United States.  
origin institute: Ring Around Products, Inc.  
cultivar: RA-401.  
other id: PVP 7800030.  
source: Certificate in force.  
group: PVPO. Annual.  
Cultivar.  
Seed.

PI 556534  
origin: United States.  
origin institute: Ring Around Products, Inc.  
cultivar: RA-601.  
other id: PVP 7800031.  
source: Certificate in force.  
group: PVPO. Annual.  
Cultivar.  
Seed.

PI 556535. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Land O'Lakes, Inc., United States.  
Received 1978.

origin: United States.  
origin institute: Land O'Lakes, Inc.  
cultivar: MAX.  
other id: PVP 7700062.  
source: Certificate in force.  
group: PVPO. Annual.  
Cultivar.  
Seed.
PI 556536 to 556537. Glycine max (L.) Merr. FABACEAE

**Donated by:** Cokers Pedigreed Seed Co., Hartsville, South Carolina, United States. Received 1978.

PI 556536  
**origin:** United States. **origin institute:** Cokers Pedigreed Seed Co., South Carolina. **cultivar:** COKER 237. **other id:** PVP 7800034. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556537  
**origin:** United States. **origin institute:** Cokers Pedigreed Seed Co., South Carolina. **cultivar:** COKER 488. **other id:** PVP 7800035. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556538 to 556543. Glycine max (L.) Merr. FABACEAE

**Donated by:** Soybean Research Foundation, Inc., United States. Received 1978.

PI 556538  
**origin:** United States. **origin institute:** Soybean Research Foundation, Inc.. **cultivar:** MATSOY. **other id:** PVP 7800052. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556539  
**origin:** United States. **origin institute:** Soybean Research Foundation, Inc.. **cultivar:** PL 723299L. **other id:** PVP 7800054. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556540  
**origin:** United States. **origin institute:** Soybean Research Foundation, Inc.. **cultivar:** BIG BOY. **other id:** PVP 7800049. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556541  
**origin:** United States. **origin institute:** Soybean Research Foundation, Inc.. **cultivar:** GUTWEIN 421. **other id:** PVP 7800051. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556542  
**origin:** United States. **origin institute:** Soybean Research Foundation, Inc.. **cultivar:** PL 709947. **other id:** PVP 7800053. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556543  
**origin:** United States. **origin institute:** Soybean Research Foundation, Inc.. **cultivar:** DOTSON. **other id:** PVP 7800050. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.
PI 556544. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Lynnville Seed Company, United States. Received 1978.

- **origin:** United States. **origin institute:** Lynnville Seed Company. **cultivar:** 3035. **other id:** PVP 7700075. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556545. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Gold Kist, Inc., United States. Received 1978.

- **origin:** United States. **origin institute:** Gold Kist, Inc.. **cultivar:** BROOKS. **other id:** PVP 7700025. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556546. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** FFR Cooperative. Indiana, United States. Received 1978.

- **origin:** United States. **origin institute:** FFR Cooperative, Indiana. **cultivar:** FFR 444. **other id:** PVP 7600006. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556547. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Callahan Enterprises, Inc., United States. Received 1978.

- **origin:** United States. **origin institute:** Callahan Enterprises, Inc.. **cultivar:** ROCKFORD. **other id:** PVP 7800021. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556548. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Asgrow Seed Company, United States. Received 1979.

- **origin:** United States. **origin institute:** Asgrow Seed Company. **cultivar:** A2858. **other id:** PVP 7900037. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556549. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Northrup King Company, United States. Received 1979.
PI 556549-continued


PI 556550 to 556556. Glycine max (L.) Merr. FABACEAE Soybean


PI 556557. Glycine max (L.) Merr. FABACEAE Soybean

PI 556557-continued


PI 556558 to 556560. Glycine max (L.) Merr. FABACEAE


PI 556561. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Krietemeyer, L., Nixon Seed Company, United States. Received 1979.


PI 556562. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: J.M. Schultz Seed Company, United States. Received 1979.

PI 556563. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Callahan Enterprises, Inc., United States. Received 1979.

- **origin:** United States. **origin institute:** Callahan Enterprises, Inc. **cultivar:** S-48. **other id:** PVP 7800098. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556564. Glycine max (L.) Merr. FABACEAE

**Donated by:** Cokers Pedigreed Seed Co., Hartsville, South Carolina, United States. Received 1980.

- **origin:** United States. **origin institute:** Cokers Pedigreed Seed Co., South Carolina. **cultivar:** COKER 156. **other id:** PVP 7900043. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556565 to 556570. Glycine max (L.) Merr. FABACEAE

**Donated by:** Soybean Research Foundation, Inc., United States. Received 1980.

- **PI 556565** **origin:** United States. **origin institute:** Soybean Research Foundation, Inc. **cultivar:** SRF 250. **other id:** PVP 7900112. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

- **PI 556566** **origin:** United States. **origin institute:** Soybean Research Foundation, Inc. **cultivar:** HOBSON. **other id:** PVP 7900109. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

- **PI 556567** **origin:** United States. **origin institute:** Soybean Research Foundation, Inc. **cultivar:** SRF 450P. **other id:** PVP 7900113. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

- **PI 556568** **origin:** United States. **origin institute:** Soybean Research Foundation, Inc. **cultivar:** PL 72-3176L. **other id:** PVP 790011l. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

- **PI 556569** **origin:** United States. **origin institute:** Soybean Research Foundation, Inc. **cultivar:** PL 70-10546D. **other id:** PVP 7900110. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.
PI 556570  
**origin**: United States. **origin institute**: Soybean Research Foundation, Inc.  
**cultivar**: GUTWEIN 221. **other id**: PVP 7900108. **source**: Certificate in force. **group**: PVPO. Annual. Cultivar. Seed.

PI 556571. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by**: Helena Chemical Company, United States. Received 1980.


PI 556572 to 556573. Glycine max (L.) Merr. FABACEAE

**Donated by**: Asgrow Seed Company, United States. Received 1980.

PI 556572  

PI 556573  

PI 556574 to 556575. Glycine max (L.) Merr. FABACEAE


PI 556574  

PI 556575  

PI 556576 to 556577. Glycine max (L.) Merr. FABACEAE

**Donated by**: Baluch, S. J., FFR Cooperative, 4112 East State Road 225, West Lafayette, Indiana, United States. Received 1980.
PI 556576 to 556577-continued

PI 556576  
**origin**: United States.  
**origin institute**: FFR Cooperative, Indiana.  
**cultivar**: FFR 335.  
**other id**: PVP 7900070.  
**source**: Certificate in force.  
**group**: PVPO.  
Annual. Cultivar. Seed.

PI 556577  
**origin**: United States.  
**origin institute**: FFR Cooperative, Indiana.  
**cultivar**: FFR 224.  
**other id**: PVP 8000090.  
**source**: Certificate in force.  
**group**: PVPO.  
Annual. Cultivar. Seed.

PI 556578. Glycine max (L.) Merr.  
**FABACEAE** Soybean

**Donated by**: Lynnville Seed Company, United States.  
Received 1980.

**origin**: United States.  
**origin institute**: Lynnville Seed Company.  
**cultivar**: RIVERSIDE 2025.  
**other id**: PVP 8000015.  
**source**: Certificate in force.  
**group**: PVPO.  
Annual. Cultivar. Seed.

PI 556579 to 556581. Glycine max (L.) Merr.  
**FABACEAE** Soybean

**Donated by**: V.R. Seeds, Inc., United States.  
Received 1980.

PI 556579  
**origin**: United States.  
**origin institute**: V.R. Seeds, Inc..  
**cultivar**: MAGNUM.  
**other id**: PVP 7900106.  
**source**: Certificate in force.  
**group**: PVPO.  
Annual. Cultivar. Seed.

PI 556580  
**origin**: United States.  
**origin institute**: V.R. Seeds, Inc..  
**cultivar**: DUKE.  
**other id**: PVP 7900105.  
**source**: Certificate in force.  
**group**: PVPO.  
Annual. Cultivar. Seed.

PI 556581  
**origin**: United States.  
**origin institute**: V.R. Seeds, Inc..  
**cultivar**: DELTA.  
**other id**: PVP 7900107.  
**source**: Certificate in force.  
**group**: PVPO.  
Annual. Cultivar. Seed.

PI 556582. Glycine max (L.) Merr.  
**FABACEAE** Soybean

**Donated by**: Delta and Pine Land Company, Mississippi, United States.  
Received 1980.

**origin**: United States.  
**origin institute**: Delta and Pine Land Company, Mississippi.  
**cultivar**: DELTAPINE 345.  
**other id**: PVP 8000045.  
**source**: Certificate in force.  
**group**: PVPO.  
Annual. Cultivar. Seed.
PI 556583 to 556584. Glycine max (L.) Merr. FABACEAE

**Donated by:** McNair Seed Company, Laurinburg, North Carolina, United States. Received 1980.

**PI 556583**
- **origin:** United States. **origin institute:** McNair Seed Company, Laurinburg, North Carolina. **cultivar:** McNair 710. **pedigree:** McNair 600/Coker Hampton 266. **other id:** PVP 7900088. **source:** Certificate in force. **group:** PVPO. **other id:** CV-152. **source:** Crop Sci. 21(6):987 1981. **group:** CSR-SOYBEAN. **remarks:** Purple flowers. Gray pubescence. Brown pod walls. Group VII maturity. Seeds dull yellow seed coats. Imperfect black hila. Seed size averages 17g/100. Resistant to races 1 and 2 of phytophthora root rot. Susceptible to soybean cyst nematode. Determinant growth habit. Maturity Group VII. Annual. Cultivar. Seed.

**PI 556584**
- **origin:** United States. **origin institute:** McNair Seed Company, Laurinburg, North Carolina. **cultivar:** McNair 770. **pedigree:** Ransom/Pickett 71. **other id:** PVP 7900089. **source:** Certificate in force. **group:** PVPO. **other id:** CV-153. **source:** Crop Sci. 21(6):988 1981. **group:** CSR-SOYBEAN. **remarks:** Maturity Group VII, maturing 2 days earlier than Bragg. Flowers purple. Pubescence grey. Pod walls brown. Seeds yellow and dull with imperfect black hila. Determinant growth habit. Height averages 10-20 cm shorter than Bragg. Resistant to race 3 of soybean cyst nematode and bacterial pustule. Susceptible to all races of phytophthora root rot. Annual. Cultivar. Seed.

PI 556585 to 556587. Glycine max (L.) Merr. FABACEAE

**Donated by:** Northrup King Company, United States. Received 1980.

**PI 556585**
- **origin:** United States. **origin institute:** Northrup King Company. **cultivar:** S2596. **other id:** PVP 8000009. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

**PI 556586**
- **origin:** United States. **origin institute:** Northrup King Company. **cultivar:** S33-45. **other id:** PVP 8700114. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

**PI 556587**
- **origin:** United States. **origin institute:** Northrup King Company. **cultivar:** S53-34. **other id:** PVP 8700129. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.
PI 556588 to 556594. Glycine max (L.) Merr. FABACEAE


PI 556595. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Scientific Seed Co., Inc., United States. Received 1980.

PI 556596. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Ring Around Products, Inc., United States. Received 1980.

**origin:** United States. **origin institute:** Ring Around Products, Inc.  
**cultivar:** RA-402.  
**other id:** PVP 8000093.  
**source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**

PI 556597. Glycine max (L.) Merr. FABACEAE

**Donated by:** Asgrow Seed Company, United States. Received 1981.

**origin:** United States. **origin institute:** Asgrow Seed Company.  
**cultivar:** A5939.  
**other id:** PVP 8000148.  
**source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**

PI 556598 to 556602. Glycine max (L.) Merr. FABACEAE

**Donated by:** Dairyland Seed Company, Inc., Wisconsin, United States. Received 1981.

PI 556598  
**origin:** United States. **origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-141.  
**other id:** PVP 8100020.  
**source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**

PI 556599  
**origin:** United States. **origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-171.  
**other id:** PVP 8100021.  
**source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**

PI 556600  
**origin:** United States. **origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-207.  
**other id:** PVP 8100022.  
**source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**

PI 556601  
**origin:** United States. **origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-232.  
**other id:** PVP 8100023.  
**source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**

PI 556602  
**origin:** United States. **origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-120.  
**other id:** PVP 8100096.  
**source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**
PI 556603 to 556610. Glycine max (L.) Merr. FABACEAE

Received 1981.

PI 556603

PI 556604

PI 556605

PI 556606

PI 556607

PI 556608

PI 556609

PI 556610

PI 556611. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Ring Around Products, Inc., United States. Received 1981.
PI 556611-continued


PI 556612. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Terral-Norris Seed Co., Inc., United States. Received 1981.


PI 556613. Glycine max (L.) Merr. FABACEAE Soybean


PI 556614 to 556615. Glycine max (L.) Merr. FABACEAE


PI 556616. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Ferry-Morse Seed Company, United States. Received 1981.

PI 556617 to 556618. Glycine max (L.) Merr. FABACEAE


PI 556619. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Jacob Hartz Seed Co., Inc., United States. Received 1981.


PI 556620. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: FFR Cooperative, Indiana, United States. Received 1981.


PI 556621 to 556622. Glycine max (L.) Merr. FABACEAE


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<tr>
<th>PI</th>
<th>Origin</th>
<th>Origin Institute</th>
<th>Cultivar</th>
<th>Other ID</th>
<th>Source</th>
<th>Group</th>
<th>Type</th>
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</thead>
</table>
PI 556628 to 556631-continued

PI 556630  origin: United States.  origin institute: Callahan Enterprises, Inc.  
cultivar: CS31.  other id: PVP 8100135.  source: Certificate in force.  group: PVPO.  
Annual.  Cultivar.  Seed.

PI 556631  origin: United States.  origin institute: Callahan Enterprises, Inc.  
cultivar: CS38.  other id: PVP 8100136.  source: Certificate in force.  group: PVPO.  
Annual.  Cultivar.  Seed.

PI 556632 to 556633.  Glycine max (L.) Merr.  FABACEAE

Donated by: Jacques Seed Company, United States.  Received 1982.

PI 556632  origin: United States.  origin institute: Jacques Seed Company.  
cultivar: J-112.  other id: PVP 8100092.  source: Certificate in force.  group: PVPO.  
Annual.  Cultivar.  Seed.

PI 556633  origin: United States.  origin institute: Jacques Seed Company.  
cultivar: J103.  other id: PVP 8100091.  source: Certificate in force.  group: PVPO.  
Annual.  Cultivar.  Seed.

PI 556634.  Glycine max (L.) Merr.  FABACEAE  Soybean

Received 1982.

origin: United States.  origin institute: Soybean Research Foundation, Inc.  
cultivar: SRF 101.  other id: PVP 8100152.  source: Certificate in force.  group: PVPO.  
Annual.  Cultivar.  Seed.

PI 556635 to 556636.  Glycine max (L.) Merr.  FABACEAE

Donated by: Delta and Pine Land Company, Mississippi, United States.  
Received 1982.

cultivar: DELTAPINE 105.  other id: PVP 8100151.  source: Certificate in force.  

cultivar: DELTAPINE 506.  other id: PVP 8100149.  source: Certificate in force.  
PI 556637 to 556639. Glycine max (L.) Merr. FABACEAE

Donated by: Asgrow Seed Company, United States. Received 1982.


PI 556640 to 556641. Glycine max (L.) Merr. FABACEAE


PI 556642 to 556646. Glycine max (L.) Merr. FABACEAE

Donated by: Northrup King Company, United States. Received 1982.


PI 556645  
**origin:** United States.  
**origin institute:** Northrup King Company.  
**cultivar:** S40-44.  
**other id:** PVP 8100147.  
**source:** Certificate in force.  
**group:** PVPO.  
Annual.  
Cultivar.  
Seed.

PI 556646  
**origin:** United States.  
**origin institute:** Northrup King Company.  
**cultivar:** B242.  
**other id:** PVP 8200091.  
**source:** Certificate in force.  
**group:** PVPO.  
Annual.  
Cultivar.  
Seed.

PI 556647.  Glycine max (L.) Merr.  FABACEAE Soybean  
**Donated by:** Ring Around Products, Inc., United States.  
Received 1982.

**origin:** United States.  
**origin institute:** Ring Around Products, Inc..  
**cultivar:** RA-680.  
**other id:** PVP 8100097.  
**source:** Certificate in force.  
**group:** PVPO.  
Annual.  
Cultivar.  
Seed.

PI 556648.  Glycine max (L.) Merr.  FABACEAE Soybean  
**Donated by:** Anand, S. C., University of Missouri, Delta Center, Portageville, Missouri, United States.  
Received 1982.

**origin:** United States.  
**origin institute:** McNair Seed Company, Laurinburg, North Carolina.  
**cultivar:** McNair 700.  
**pedigree:** Bragg/Ranson.  
**other id:** PVP 7900093.  
**source:** Application abandoned/withdrawn.  
**group:** PVPO.  
**remarks:** Maturity Group VII, maturing 3 days later than Bragg.  
Flower purple.  
Pubescence brown.  
Pod walls tan.  
Seeds yellow and dull with black hila.  
Determinant growth habit.  
Resistant to bacterial pustule.  
Susceptible to soybean nematode and phytophthora root rot.  
Cultivated.  
Annual.  
Cultivar.  
Seed.

PI 556649. Glycine max (L.) Merr.  FABACEAE Soybean  
**Donated by:** Milburn Farms, Inc., United States.  
Received 1982.

**origin:** United States.  
**origin institute:** Milburn Farms, Inc..  
**cultivar:** CYPRESS 6000.  
**other id:** PVP 8100131.  
**source:** Certificate in force.  
**group:** PVPO.  
Annual.  
Cultivar.  
Seed.
PI 556650 to 556652. Glycine max (L.) Merr. FABACEAE

**Donated by:** Callahan Enterprises, Inc., United States. Received 1983.

PI 556650  
*origin:* United States.  
*origin institute:* Callahan Enterprises, Inc.  
*cultivar:* CS42.  
*other id:* PVP 8100137.  
*source:* Application abandoned/withdrawn.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556651  
*origin:* United States.  
*origin institute:* Callahan Enterprises, Inc.  
*cultivar:* CS24.  
*other id:* PVP 8100133.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556652  
*origin:* United States.  
*origin institute:* Callahan Enterprises, Inc.  
*cultivar:* CS30.  
*other id:* PVP 8100134.  
*source:* Application abandoned/withdrawn.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556653 to 556660. Glycine max (L.) Merr. FABACEAE

**Donated by:** Northrup King Company, United States. Received 1983.

PI 556653  
*origin:* United States.  
*origin institute:* Northrup King Company.  
*cultivar:* B203.  
*other id:* PVP 8200090.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556654  
*origin:* United States.  
*origin institute:* Northrup King Company.  
*cultivar:* S72-60.  
*other id:* PVP 8200164.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556655  
*origin:* United States.  
*origin institute:* Northrup King Company.  
*cultivar:* 2400.  
*other id:* PVP 8100145.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556656  
*origin:* United States.  
*origin institute:* Northrup King Company.  
*cultivar:* S69-96.  
*other id:* PVP 8200165.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556657  
*origin:* United States.  
*origin institute:* Northrup King Company.  
*cultivar:* B152.  
*other id:* PVP 8200092.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556658  
*origin:* United States.  
*origin institute:* Northrup King Company.  
*cultivar:* S14-60.  
*other id:* PVP 8300088.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.
PI 556653 to 556660

PI 556659  
origin: United States. origin institute: Northrup King Company.  
cultivar: S45-01.  other id: PVP 8300090.  
source: Certificate in force. group: PVPO. Annual. 
Cultivar. Seed.

PI 556660  
origin: United States. origin institute: Northrup King Company.  
cultivar: S30-31.  other id: PVP 8300089.  
source: Certificate in force. group: PVPO. Annual. 
Cultivar. Seed.

PI 556661 to 556663. Glycine max (L.) Merr. FABACEAE

Donated by: Delta and Pine Land Company, Mississippi, United States. 
Received 1983.

PI 556661  
origin: United States. origin institute: Delta and Pine 
Land Company, Mississippi.  
cultivar: DELTAPINE 417.  
other id: PVP 8300014. source: Certificate in force. 

PI 556662  
origin: United States. origin institute: Delta and Pine 
Land Company, Mississippi.  
cultivar: DELTAPINE 497.  
other id: PVP 8300013. source: Certificate in force. 

PI 556663  
origin: United States. origin institute: Delta and Pine 
Land Company, Mississippi.  
cultivar: DELTAPINE 246.  
other id: PVP 8200102. source: Certificate in force. 

PI 556664. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Helena Chemical Company, United States. 
Received 1983.

origin: United States. origin institute: Helena Chemical 
Company.  
cultivar: SHILOH.  other id: PVP 8300006.  
source: Certificate in force. group: PVPO. Annual. 
Cultivar. Seed.

PI 556665 to 556671. Glycine max (L.) Merr. FABACEAE

Received 1983.

PI 556665  
origin: United States. origin institute: Pioneer Hi-Bred 
International, Inc..  
PI 556665 to 556671-continued

PI 55666  
origin: United States.  
origin institute: Pioneer Hi-Bred International, Inc.  
cultivar: 6782.  
other id: PVP 8200117.  
source: Application abandoned/withdrawn.  
group: PVPO.  
Annual.  
Cultivar.  
Seed.

PI 55667  
origin: United States.  
origin institute: Pioneer Hi-Bred International, Inc.  
cultivar: 1082.  
other id: PVP 8200115.  
source: Certificate in force.  
group: PVPO.  
Annual.  
Cultivar.  
Seed.

PI 55668  
origin: United States.  
origin institute: Pioneer Hi-Bred International, Inc.  
cultivar: 3580.  
other id: PVP 8000026.  
source: Certificate in force.  
group: PVPO.  
Annual.  
Cultivar.  
Seed.

PI 55669  
origin: United States.  
origin institute: Pioneer Hi-Bred International, Inc.  
cultivar: 5482.  
other id: PVP 8200116.  
source: Certificate in force.  
group: PVPO.  
Annual.  
Cultivar.  
Seed.

PI 55670  
origin: United States.  
origin institute: Pioneer Hi-Bred International, Inc.  
cultivar: 9561.  
other id: PVP 8200119.  
source: Certificate in force.  
group: PVPO.  
Annual.  
Cultivar.  
Seed.

PI 55671  
origin: United States.  
origin institute: Pioneer Hi-Bred International, Inc.  
cultivar: 3481.  
other id: PVP 8000104.  
source: Certificate in force.  
group: PVPO.  
Annual.  
Cultivar.  
Seed.

PI 556672 to 556675.  Glycine max (L.) Merr.  FABACEAE

Received 1983.

PI 556672  
origin: United States.  
origin institute: Soybean Research Foundation, Inc.  
cultivar: GL 2250.  
other id: PVP 8100114.  
source: Certificate in force.  
group: PVPO.  
Annual.  
Cultivar.  
Seed.

PI 556673  
origin: United States.  
origin institute: Soybean Research Foundation, Inc.  
cultivar: GL 2552.  
other id: PVP 8300094.  
source: Application abandoned/withdrawn.  
group: PVPO.  
Annual.  
Cultivar.  
Seed.

PI 556674  
origin: United States.  
origin institute: Soybean Research Foundation, Inc.  
cultivar: GUTWEIN 225.  
other id: PVP 8300093.  
source: Certificate in force.  
group: PVPO.  
Annual.  
Cultivar.  
Seed.

PI 556676 to 556684. *Glycine max* (L.) Merr. FABACEAE


PI 556676 to 556684-continued

PI 556684


PI 556685 to 556690. Glycine max (L.) Merr. FABACEAE

Donated by: Asgrow Seed Company, United States. Received 1983.

PI 556685


PI 556686


PI 556687


PI 556688


PI 556689


PI 556690


PI 556691 to 556695. Glycine max (L.) Merr. FABACEAE

Donated by: Land O'Lakes, Inc., United States. Received 1983.

PI 556691

PI 556691 to 556695-continued


PI 556696 to 556697. Glycine max (L.) Merr. FABACEAE

Donated by: Cokers Pedigreed Seed Co., Hartsville, South Carolina, United States. Received 1983.


PI 556698. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Bellatti, L., United States. Received 1982.


PI 556699. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Jacob Hartz Seed Co., Inc., United States. Received 1982.
PI 556699-continued


PI 556700. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Ring Around Products, Inc., United States. Received 1983.


PI 556701 to 556704. Glycine max (L.) Merr. FABACEAE

Donated by: Zoecon Corporation, United States. Received 1983.


PI 556705. Glycine max (L.) Merr. FABACEAE Soybean


PI 556706. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** V.R. Seeds, Inc., United States. Received 1983.

**origin:** United States. **origin institute:** V.R. Seeds, Inc.  
**cultivar:** VR 3393. **other id:** PVP 8200057.  
**source:** Application abandoned/withdrawn. **group:** PVPO.  
**Annual. Cultivar. Seed.**

PI 556707 to 556710. Glycine max (L.) Merr. FABACEAE

**Donated by:** Dairyland Seed Company, Inc., Wisconsin, United States. Received 1983.

**PI 556707**  
**origin:** United States. **origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-320. **other id:** PVP 8200123. **source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**

**PI 556708**  
**origin:** United States. **origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-227. **other id:** PVP 8200124. **source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**

**PI 556709**  
**origin:** United States. **origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-352. **other id:** PVP 8200125. **source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**

**PI 556710**  
**origin:** United States. **origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-303. **other id:** PVP 8200126. **source:** Application abandoned/withdrawn. **group:** PVPO.  
**Annual. Cultivar. Seed.**

PI 556711. Glycine max (L.) Merr. FABACEAE

**Donated by:** FFR Cooperative, Indiana, United States. Received 1983.

**origin:** United States. **origin institute:** FFR Cooperative, Indiana.  
**cultivar:** FFR 560. **other id:** PVP 8300002. **source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**

PI 556712 to 556715. Glycine max (L.) Merr. FABACEAE

**Donated by:** Midwest Oilseeds, Inc., United States. Received 1983.

**PI 556712**  
**origin:** United States. **origin institute:** Midwest Oilseeds, Inc.  
**cultivar:** 90210-30266. **other id:** PVP 8200100. **source:** Certificate in force. **group:** PVPO.  
**Annual. Cultivar. Seed.**


PI 556716. Glycine max (L.) Merr. FABACEAE

Donated by: Gold Kist, Inc., United States. Received 1983.


PI 556717 to 556721. Glycine max (L.) Merr. FABACEAE

Donated by: Jacob Hartz Seed Co., Inc., United States. Received 1983.


PI 556722. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Helena Chemical Company, United States. Received 1983.


PI 556723 to 556726. Glycine max (L.) Merr. FABACEAE

Donated by: Northrup King Company, United States. Received 1984.


PI 556727. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Collier, B.B., United States; and Smith, B.A., United States. Received 1984.

PI 556728 to 556731. Glycine max (L.) Merr. FABACEAE

Donated by: Asgrow Seed Company, United States. Received 1984.


PI 556732 to 556736. Glycine max (L.) Merr. FABACEAE


PI 556737. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Jacques Seed Company, United States. Received 1983.


PI 556738. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: University of Missouri, Missouri, United States. Received 1983.


PI 556739 to 556740. Glycine max (L.) Merr. FABACEAE

Donated by: Davis, W. H., Ring Around Products, Inc., West Texas Res Ctr, PO Box 1017, Hale Center, Texas, United States. Received 1983.


PI 556741 to 556744. Glycine max (L.) Merr. FABACEAE

Donated by: CR Seeds, United States. Received 1984.

cultivar: COKER 355. other id: PVP 8400019. 
Seed.

cultivar: COKER 485. other id: PVP 8400078. 
Seed.

cultivar: COKER 425. other id: PVP 8400077. 
Seed.

PI 556745 to 556747. Glycine max (L.) Merr. FABACEAE

Donated by: Lynnville Seed Company, United States. Received 1984.

PI 556745 origin: United States. origin institute: Lynnville Seed 
Company. cultivar: RIVERSIDE 2024. other id: PVP 
8400036. source: Certificate in force. group: PVPO. 
Annual. Cultivar. Seed.

PI 556746 origin: United States. origin institute: Lynnville Seed 
Company. cultivar: RIVERSIDE 303C. other id: PVP 
8400035. source: Certificate in force. group: PVPO. 
Annual. Cultivar. Seed.

PI 556747 origin: United States. origin institute: Lynnville Seed 
Company. cultivar: RIVERSIDE 2021. other id: PVP 
7800025. source: Application abandoned/withdrawn. 

PI 556748. Glycine max (L.) Merr. FABACEAE Soybean


origin: United States. origin institute: Bailey Seed 
Farms, Inc.. cultivar: PRN-82. other id: PVP 8400032. 
source: Certificate in force. group: PVPO. Annual. 
Cultivar. Seed.

PI 556749 to 556751. Glycine max (L.) Merr. FABACEAE

PI 556749 to 556751-continued

PI 556749  
origin: United States.  
origin institute: King Grain U.S.A., Inc..  
cultivar: KG30.  
other id: PVP 8500022.  
source: Certificate in force.  
group: PVPO. Annual.  
Cultivar. Seed.

PI 556750  
origin: United States.  
origin institute: King Grain U.S.A., Inc..  
cultivar: KG70.  
other id: PVP 8500024.  
source: Certificate in force.  
group: PVPO. Annual.  
Cultivar. Seed.

PI 556751  
origin: United States.  
origin institute: King Grain U.S.A., Inc..  
cultivar: KG20.  
other id: PVP 8500023.  
source: Certificate in force.  
group: PVPO. Annual.  
Cultivar. Seed.

PI 556752 to 556753. Glycine max (L.) Merr. FABACEAE

Donated by: Stanford Seed Company, United States. Received 1984.

PI 556752  
origin: United States.  
origin institute: Stanford Seed Company.  
cultivar: HT5203.  
other id: PVP 8400069.  
source: Certificate in force.  
group: PVPO. Annual.  
Cultivar. Seed.

PI 556753  
origin: United States.  
origin institute: Stanford Seed Company.  
cultivar: HT4203.  
other id: PVP 8400070.  
source: Certificate abandoned.  
group: PVPO. Annual.  
Cultivar. Seed.

PI 556754. Glycine max (L.) Merr. FABACEAE Soybean


origin: United States.  
origin institute: Ring Around Products, Inc..  
cultivar: RA-603.  
other id: PVP 8000057.  
source: Application abandoned/withdrawn.  
group: PVPO. Annual.  
Cultivar. Seed.

PI 556755 to 556757. Glycine max (L.) Merr. FABACEAE

Donated by: Jacques Seed Company, United States. Received 1984.

PI 556755  
origin: United States.  
origin institute: Jacques Seed Company.  
cultivar: J-8287.  
other id: PVP 8400080.  
source: Certificate in force.  
group: PVPO. Annual.  
Cultivar. Seed.
PI 556755 to 556757-continued

PI 556756  
**origin:** United States. **origin institute:** Jacques Seed Company. **cultivar:** J-72. **other id:** PVP 8400079.  
**source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556757  
**origin:** United States. **origin institute:** Jacques Seed Company. **cultivar:** J-8389. **other id:** PVP 8400081.  
**source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556758 to 556760. Glycine max (L.) Merr. FABACEAE

**Donated by:** Rohm and Haas Seeds, Inc., United States. Received 1984.

PI 556758  
**origin:** United States. **origin institute:** Rohm and Haas Seeds, Inc.. **cultivar:** RA-452. **other id:** PVP 8500009.  
**source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556759  
**origin:** United States. **origin institute:** Rohm and Haas Seeds, Inc.. **cultivar:** RA-451. **other id:** PVP 8500008.  
**source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556760  
**origin:** United States. **origin institute:** Rohm and Haas Seeds, Inc.. **cultivar:** RA-405. **other id:** PVP 8500010.  
**source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556761 to 556767. Glycine max (L.) Merr. FABACEAE

**Donated by:** Northrup King Company, United States. Received 1985.

PI 556761  
**origin:** United States. **origin institute:** Northrup King Company. **cultivar:** S27-10. **other id:** PVP 8500117.  
**source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556762  
**origin:** United States. **origin institute:** Northrup King Company. **cultivar:** S42-30. **other id:** PVP 8500119.  
**source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556763  
**origin:** United States. **origin institute:** Northrup King Company. **cultivar:** S24-24. **other id:** PVP 8500122.  
**source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.
PI 556761 to 556767-continued

PI 556764  
**origin:** United States.  **origin institute:** Northrup King Company.  **cultivar:** S39-99.  **other id:** PVP 8500118.  
**source:** Certificate in force.  **group:** PVPO.  Annual.  Cultivar.  Seed.

PI 556765  
**origin:** United States.  **origin institute:** Northrup King Company.  **cultivar:** S15-50.  **other id:** PVP 8500120.  
**source:** Certificate in force.  **group:** PVPO.  Annual.  Cultivar.  Seed.

PI 556766  
**origin:** United States.  **origin institute:** Northrup King Company.  **cultivar:** B335.  **other id:** PVP 8500116.  
**source:** Certificate in force.  **group:** PVPO.  Annual.  Cultivar.  Seed.

PI 556767  
**origin:** United States.  **origin institute:** Northrup King Company.  **cultivar:** B095.  **other id:** PVP 8500121.  
**source:** Certificate in force.  **group:** PVPO.  Annual.  Cultivar.  Seed.

PI 556768 to 556769. Glycine max (L.) Merr. FABACEAE

**Donated by:** Land O'Lakes, Inc., United States.  Received 1985.

PI 556768  
**origin:** United States.  **origin institute:** Land O'Lakes, Inc..  **cultivar:** L1771.  **other id:** PVP 8500140.  
**source:** Certificate in force.  **group:** PVPO.  Annual.  Cultivar.  Seed.

PI 556769  
**origin:** United States.  **origin institute:** Land O'Lakes, Inc..  **cultivar:** L2230.  **other id:** PVP 8500141.  
**source:** Certificate in force.  **group:** PVPO.  Annual.  Cultivar.  Seed.

PI 556770 to 556775. Glycine max (L.) Merr. FABACEAE

**Donated by:** Pioneer Hi-Bred International, Inc., United States.  Received 1985.

PI 556770  
**origin:** United States.  **origin institute:** Pioneer Hi-Bred International, Inc..  **cultivar:** 9691.  **other id:** PVP 8500145.  
**source:** Certificate in force.  **group:** PVPO.  Annual.  Cultivar.  Seed.

PI 556771  
**origin:** United States.  **origin institute:** Pioneer Hi-Bred International, Inc..  **cultivar:** 9061.  **other id:** PVP 8500144.  
**source:** Certificate in force.  **group:** PVPO.  Annual.  Cultivar.  Seed.

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PI 556772  
**origin:** United States.  **origin institute:** Pioneer Hi-Bred International, Inc..  **cultivar:** 9541.  **other id:** PVP 8500147.  **source:** Application abandoned/withdrawn.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556773  
**origin:** United States.  **origin institute:** Pioneer Hi-Bred International, Inc..  **cultivar:** 9591.  **other id:** PVP 8500143.  **source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556774  
**origin:** United States.  **origin institute:** Pioneer Hi-Bred International, Inc..  **cultivar:** 9791.  **other id:** PVP 8500146.  **source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556775  
**origin:** United States.  **origin institute:** Pioneer Hi-Bred International, Inc..  **cultivar:** 9531.  **other id:** PVP 8500142.  **source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556776 to 556784. Glycine max (L.) Merr. FABACEAE

**Donated by:** Asgrow Seed Company, United States. Received 1985.

PI 556776  
**origin:** United States.  **origin institute:** Asgrow Seed Company.  **cultivar:** A1214.  **other id:** PVP 8500157.  
**source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556777  
**origin:** United States.  **origin institute:** Asgrow Seed Company.  **cultivar:** A1895.  **other id:** PVP 8500158.  
**source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556778  
**origin:** United States.  **origin institute:** Asgrow Seed Company.  **cultivar:** A3427.  **other id:** PVP 8500159.  
**source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556779  
**origin:** United States.  **origin institute:** Asgrow Seed Company.  **cultivar:** A1525.  **other id:** PVP 8500156.  
**source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556780  
**origin:** United States.  **origin institute:** Asgrow Seed Company.  **cultivar:** A3803.  **other id:** PVP 8500160.  
**source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.


PI 556785. Glycine max (L.) Merr. FABACEAE Soybean


PI 556786. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Jacques Seed Company, United States. Received 1985.


PI 556787 to 556792. Glycine max (L.) Merr. FABACEAE

Donated by: Dairyland Seed Company, Inc., Wisconsin, United States. Received 1985.

PI 556787 to 556792-continued

PI 556788  
**origin:** United States.  
**origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-205.  
**other id:** PVP 8500207.  
**source:** Application abandoned/withdrawn.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556789  
**origin:** United States.  
**origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-255.  
**other id:** PVP 8500208.  
**source:** Application abandoned/withdrawn.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556790  
**origin:** United States.  
**origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-287.  
**other id:** PVP 8500209.  
**source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556791  
**origin:** United States.  
**origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-297.  
**other id:** PVP 8500210.  
**source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556792  
**origin:** United States.  
**origin institute:** Dairyland Seed Company, Inc., Wisconsin.  
**cultivar:** DSR-317.  
**other id:** PVP 8500211.  
**source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556793 to 556795. Glycine max (L.) Merr. FABACEAE

**Donated by:** Terral-Norris Seed Co., Inc., United States. Received 1985.

PI 556793  
**origin:** United States.  
**origin institute:** Terral-Norris Seed Co., Inc.  
**cultivar:** TERRA-VIG 553.  
**other id:** PVP 8600001.  
**source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556794  
**origin:** United States.  
**origin institute:** Terral-Norris Seed Co., Inc.  
**cultivar:** TERRA-VIG 717.  
**other id:** PVP 8600006.  
**source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556795  
**origin:** United States.  
**origin institute:** Terral-Norris Seed Co., Inc.  
**cultivar:** TERRA-VIG 616.  
**other id:** PVP 8600005.  
**source:** Certificate in force.  
**group:** PVPO. Annual. Cultivar. Seed.

PI 556796. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Prairie Seed Co., Inc., United States. Received 1985.
PI 556796-continued


PI 556797 to 556801. Glycine max (L.) Merr. FABACEAE


PI 556802. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Stone Seed Co., Inc., United States. Received 1986.


PI 556803 to 556805. Glycine max (L.) Merr. FABACEAE

Donated by: Jacob Hartz Seed Co., Inc., United States. Received 1986.

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PI 556803 to 556805-continued

PI 556803  
**origin:** United States.  
**origin institute:** Jacob Hartz Seed Co., Inc.  
**cultivar:** HARTZ 6130.  
**other id:** PVP 8600014.  
**source:** Certificate in force.  
**group:** PVPO.  
Annual. Cultivar. Seed.

PI 556804  
**origin:** United States.  
**origin institute:** Jacob Hartz Seed Co., Inc.  
**cultivar:** HARTZ 6383R.  
**other id:** PVP 8600044.  
**source:** Certificate in force.  
**group:** PVPO.  
Annual. Cultivar. Seed.

PI 556805  
**origin:** United States.  
**origin institute:** Jacob Hartz Seed Co., Inc.  
**cultivar:** HARTZ 9190.  
**other id:** PVP 8600043.  
**source:** Certificate in force.  
**group:** PVPO.  
Annual. Cultivar. Seed.

PI 556806. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Jacob Hartz Seed Co., Inc., United States.  
Received 1985.

**origin:** United States.  
**origin institute:** Jacob Hartz Seed Co., Inc.  
**cultivar:** HARTZ 8112.  
**other id:** PVP 8600015.  
**source:** Certificate in force.  
**group:** PVPO.  
Annual. Cultivar. Seed.

PI 556807. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Delta and Pine Land Company, Mississippi, United States.  
Received 1985.

**origin:** United States.  
**origin institute:** Delta and Pine Land Company, Mississippi.  
**cultivar:** DELTAPINE 566.  
**other id:** PVP 8600023.  
**source:** Certificate in force.  
**group:** PVPO.  
Annual. Cultivar. Seed.

PI 556808. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Illinois Foundation Seed, Illinois, United States.  
Received 1985.

**origin:** United States.  
**origin institute:** Illinois Foundation Seeds, Inc., Illinois.  
**cultivar:** OAK.  
**other id:** PVP 8600013.  
**source:** Application abandoned/withdrawn.  
**group:** PVPO.  
Annual. Cultivar. Seed.
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<td>PVP 8600057</td>
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<td>United States</td>
<td>Asgrow Seed Company</td>
<td>A3511</td>
<td>PVP 8600163</td>
<td>Certificate in force</td>
<td>PVPO. Annual.</td>
<td>Cultivar. Seed</td>
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<tr>
<td>556816</td>
<td>United States</td>
<td>Asgrow Seed Company</td>
<td>A3205</td>
<td>PVP 8600140</td>
<td>Certificate in force</td>
<td>PVPO. Annual.</td>
<td>Cultivar. Seed</td>
</tr>
<tr>
<td>556817</td>
<td>United States</td>
<td>Helena Chemical Company</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**PI 556809 to 556811. Glycine max (L.) Merr. FABACEAE**

**Donated by:** Nickerson American Plant Breeders, Inc., United States. Received 1986.

**PI 556812 to 556816. Glycine max (L.) Merr. FABACEAE**

**Donated by:** Asgrow Seed Company, United States. Received 1986.

**PI 556817 to 556818. Glycine max (L.) Merr. FABACEAE**

**Donated by:** Helena Chemical Company, United States. Received 1986.
PI 556817 to 556818-continued

PI 556817  origin: United States.  origin institute: Helena Chemical Company.  cultivar: SAMPSON.  other id: PVP 8600068.  

PI 556818  origin: United States.  origin institute: Helena Chemical Company.  cultivar: STARR.  other id: PVP 8600062.  

PI 556819. Glycine max (L.) Merr.  FABACEAE  Soybean

Donated by: Terral-Norris Seed Co., Inc., United States.  Received 1986.

origin: United States.  origin institute: Terral-Norris Seed Co., Inc.  cultivar: TERRA-VIG 808.  other id: PVP 8600033.  

PI 556820 to 556822. Glycine max (L.) Merr.  FABACEAE

Donated by: Northrup King Company, United States.  Received 1986.


PI 556821  origin: United States.  origin institute: Northrup King Company.  cultivar: B236.  other id: PVP 8600146.  

PI 556822  origin: United States.  origin institute: Northrup King Company.  cultivar: S23-12.  other id: PVP 8600145.  

PI 556823. Glycine max (L.) Merr.  FABACEAE  Soybean

Donated by: Identity Seed and Grain Company, United States.  Received 1986.

PI 556824. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Bryco, Inc., United States. Received 1986.


PI 556825. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Cokers Pedigreed Seed Co., Hartsville, South Carolina, United States. Received 1986.


PI 556826. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** FFR Cooperative, Indiana, United States. Received 1986.


PI 556827. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Cokers Pedigreed Seed Co., Hartsville, South Carolina, United States. Received 1987.


PI 556828. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Delta and Pine Land Company, Mississippi, United States. Received 1987.

PI 556829 to 556832. Glycine max (L.) Merr. FABACEAE

**Donated by:** Growmark, Inc., United States. Received 1987.

PI 556829  
origin: United States. origin institute: Growmark, Inc..  

PI 556830  
origin: United States. origin institute: Growmark, Inc..  

PI 556831  
origin: United States. origin institute: Growmark, Inc..  

PI 556832  
origin: United States. origin institute: Growmark, Inc..  

PI 556833 to 556835. Glycine max (L.) Merr. FABACEAE

**Donated by:** Jacob Hartz Seed Co., Inc., United States. Received 1987.

PI 556833  

PI 556834  

PI 556835  

PI 556836 to 556842. Glycine max (L.) Merr. FABACEAE

**Donated by:** Pioneer Hi-Bred International, Inc., United States. Received 1987.
PI 556836 to 556842-continued


PI 556843 to 556848. Glycine max (L.) Merr. FABACEAE

Donated by: Northrup King Company, United States. Received 1987.


PI 556843 to 556848-continued

PI 556845  origin: United States.  origin institute: Northrup King Company.  cultivar: S29-20.  other id: PVP 8700113.  

PI 556846  origin: United States.  origin institute: Northrup King Company.  cultivar: S44-77.  other id: PVP 8700112.  

PI 556847  origin: United States.  origin institute: Northrup King Company.  cultivar: 6727.  other id: PVP 8700157.  

PI 556848  origin: United States.  origin institute: Northrup King Company.  cultivar: 6738.  other id: PVP 8700158.  

PI 556849 to 556852. Glycine max (L.) Merr. FABACEAE

Donated by: Asgrow Seed Company, United States. Received 1987.

PI 556849  origin: United States.  origin institute: Asgrow Seed Company.  cultivar: A0358.  other id: PVP 8700080.  

PI 556850  origin: United States.  origin institute: Asgrow Seed Company.  cultivar: A2234.  other id: PVP 8700079.  

PI 556851  origin: United States.  origin institute: Asgrow Seed Company.  cultivar: A4906.  other id: PVP 8700082.  

PI 556852  origin: United States.  origin institute: Asgrow Seed Company.  cultivar: A4393.  other id: PVP 8700184.  

PI 556853 to 556855. Glycine max (L.) Merr. FABACEAE

PI 556853 to 556855-continued


PI 556856. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: King Grain, Inc., United States. Received 1987.


PI 556857 to 556861. Glycine max (L.) Merr. FABACEAE

Donated by: Asgrow Seed Company, United States. Received 1988.


PI 556862 to 556868. Glycine max (L.) Merr. FABACEAE

Donated by: Northrup King Company, United States. Received 1988.


PI 556869 to 556875. Glycine max (L.) Merr. FABACEAE

Donated by: Pioneer Hi-Bred International, Inc., P.O. Box 748, United States. Received 1988.
PI 556869


PI 556870


PI 556871


PI 556872


PI 556873


PI 556874


PI 556875


PI 556876. Glycine max (L.) Merr. FABACEAE

Donated by: FFR Cooperative, Indiana, United States. Received 1988.


PI 556877 to 556880. Glycine max (L.) Merr. FABACEAE

Donated by: Dairyland Seed Company, Inc., Wisconsin, United States. Received 1988.
PI 556877 to 556880-continued

PI 556877  

PI 556878  

PI 556879  

PI 556880  

PI 556881 to 556885. Glycine max (L.) Merr. FABACEAE


PI 556881  

PI 556882  

PI 556883  

PI 556884  

PI 556885  
PI 556886. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Southern States Cooperative, Inc., United States. Received 1988.

*origin:* United States. *origin institute:* Southern States Cooperative, Inc.  
*cultivar:* SS 487. *other id:* PVP 8800116.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556887 to 556889. Glycine max (L.) Merr. FABACEAE

**Donated by:** DeKalb-Pfizer Genetics, United States. Received 1988.

PI 556887  
*cultivar:* CX117. *other id:* PVP 8800186.  
*source:* Application abandoned/withdrawn.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556888  
*cultivar:* CX298. *other id:* PVP 8800188.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556889  
*cultivar:* CX458. *other id:* PVP 8800187.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556890 to 556892. Glycine max (L.) Merr. FABACEAE

**Donated by:** Latham Seed Company, United States. Received 1988.

PI 556890  
*origin:* United States. *origin institute:* Latham Seed Company.  
*cultivar:* 29725K. *other id:* PVP 8800221.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556891  
*origin:* United States. *origin institute:* Latham Seed Company.  
*cultivar:* 34726. *other id:* PVP 8800222.  
*source:* Application abandoned/withdrawn.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556892  
*origin:* United States. *origin institute:* Latham Seed Company.  
*cultivar:* 34870. *other id:* PVP 8800223.  
*source:* Certificate in force.  
*group:* PVPO. Annual. Cultivar. Seed.

PI 556893 to 556894. Glycine max (L.) Merr. FABACEAE

**Donated by:** Hyperperformer Seed Company, United States. Received 1988.
PI 556893 to 556894-continued

PI 556893  
**origin**: United States.  **origin institute**: Hyperformer Seed Company.  **cultivar**: HSC B2J.  **other id**: PVP 8800147.  

PI 556894  
**origin**: United States.  **origin institute**: Hyperformer Seed Company.  **cultivar**: HSC BALDWIN.  **other id**: PVP 8800146.  

PI 556895 to 556904.  *Glycine max* (L.) Merr.  FABACEAE  

**Donated by**: Northrup King Company, United States.  Received 1989.

PI 556895  
**origin**: United States.  **origin institute**: Northrup King Company.  **cultivar**: S07-80.  **other id**: PVP 8900209.  

PI 556896  
**origin**: United States.  **origin institute**: Northrup King Company.  **cultivar**: S17-18.  **other id**: PVP 8900210.  

PI 556897  
**origin**: United States.  **origin institute**: Northrup King Company.  **cultivar**: S19-90.  **other id**: PVP 8900211.  

PI 556898  
**origin**: United States.  **origin institute**: Northrup King Company.  **cultivar**: S20-26.  **other id**: PVP 8900212.  

PI 556899  
**origin**: United States.  **origin institute**: Northrup King Company.  **cultivar**: S30-41.  **other id**: PVP 8900213.  

PI 556900  
**origin**: United States.  **origin institute**: Northrup King Company.  **cultivar**: S31-33.  **other id**: PVP 8900214.  
**source**: Pending.  **group**: PVPO.  Annual.  Cultivar.  Seed.

PI 556901  
**origin**: United States.  **origin institute**: Northrup King Company.  **cultivar**: S42-50.  **other id**: PVP 8900215.  

PI 556902  
**origin**: United States.  **origin institute**: Northrup King Company.  **cultivar**: 6925.  **other id**: PVP 8900284.  
**source**: Pending.  **group**: PVPO.  Annual.  Cultivar.  Seed.
PI 556903  
**origin:** United States.  
**origin institute:** Northrup King Company.  
**cultivar:** 6955.  
**other id:** PVP 8900291.  
**source:** Certificate in force.  
**group:** PVPO. Annual.  
Cultivar. Seed.

PI 556904  
**origin:** United States.  
**origin institute:** Northrup King Company.  
**cultivar:** 6995.  
**other id:** PVP 8900292.  
**source:** Certificate in force.  
**group:** PVPO. Annual.  
Cultivar. Seed.

PI 556905. Glycine max (L.) Merr. FABACEAE Soybean  
**Donated by:** FFR Cooperative, Indiana, United States. Received 1989.  
**origin:** United States.  
**origin institute:** FFR Cooperative, Indiana.  
**cultivar:** FFR 398.  
**other id:** PVP 8900109.  
**source:** Pending.  
**group:** PVPO.  
**remarks:**

PI 556906 to 556907. Glycine max (L.) Merr. FABACEAE  
**Donated by:** Delta and Pine Land Company, Mississippi, United States. Received 1989.  
**origin:** United States.  
**origin institute:** Delta and Pine Land Company, Mississippi.  
**cultivar:** DELTAPINE 415.  
**other id:** PVP 8900087.  
**source:** Certificate in force.  
**group:** PVPO.  

PI 556907  
**origin:** United States.  
**origin institute:** Delta and Pine Land Company, Mississippi.  
**cultivar:** DELTAPINE 726.  
**pedigree:** Deltapine 246/Centennial.  
**other id:** PVP 8900080.  
**source:** Certificate in force.  
**group:** PVPO.  
**remarks:** Maturity mid Group IV. Plant height medium. Seed small, 3600-3900 seed/lb. Oil content 20%. Protein Content 42%. Annual. Cultivar. Seed.

PI 556908 to 556916. Glycine max (L.) Merr. FABACEAE  
**Donated by:** Pioneer Hi-Bred International, Inc., United States. Received 1989.  
**origin:** United States.  
**origin institute:** Pioneer Hi-Bred International, Inc.  
**cultivar:** 9121.  
**other id:** PVP 8900172.  
**source:** Pending.  
**group:** PVPO. Annual.  
Cultivar. Seed.
PI 556908 to 556916-continued

PI 556909  origin: United States.  origin institute: Pioneer Hi-Bred International, Inc..  
cultivar: 9302.  other id: PVP 8900173.  source: Certificate in force.  group: PVPO. 
Annual. Cultivar. Seed.

PI 556910  origin: United States.  origin institute: Pioneer Hi-Bred International, Inc.. 
cultivar: 9303.  other id: PVP 8900174.  source: Certificate in force.  group: PVPO. 
Annual. Cultivar. Seed.

PI 556911  origin: United States.  origin institute: Pioneer Hi-Bred International, Inc.. 
cultivar: 9341.  other id: PVP 8900175.  source: Pending.  group: PVPO. Annual. 
Cultivar. Seed.

PI 556912  origin: United States.  origin institute: Pioneer Hi-Bred International, Inc.. 
cultivar: 9411.  other id: PVP 8900176.  source: Pending.  group: PVPO. Annual. 
Cultivar. Seed.

PI 556913  origin: United States.  origin institute: Pioneer Hi-Bred International, Inc.. 
cultivar: 9461.  other id: PVP 8900177.  source: Pending.  group: PVPO. Annual. 
Cultivar. Seed.

PI 556914  origin: United States.  origin institute: Pioneer Hi-Bred International, Inc.. 
cultivar: 9582.  other id: PVP 8900178.  source: Certificate in force.  group: PVPO. 
Annual. Cultivar. Seed.

PI 556915  origin: United States.  origin institute: Pioneer Hi-Bred International, Inc.. 
cultivar: 9592.  other id: PVP 8900179.  source: Certificate in force.  group: PVPO. 
Annual. Cultivar. Seed.

PI 556916  origin: United States.  origin institute: Pioneer Hi-Bred International, Inc.. 
cultivar: 9711.  other id: PVP 8900180.  source: Certificate in force.  group: PVPO. 
Annual. Cultivar. Seed.

PI 556917 to 556919. Glycine max (L.) Merr.  FABACEAE

Donated by: Jacob Hartz Seed Co., Inc., United States.  Received 1989.

PI 556917  origin: United States.  origin institute: Jacob Hartz Seed Co., Inc.. 
cultivar: HARTZ 6200.  other id: PVP 8900154.  source: Certificate in force.  group: PVPO. 
Annual. Cultivar. Seed.
PI 556918  
**origin:** United States. **origin institute:** Jacob Hartz Seed Co., Inc.  
**cultivar:** HARTZ 6686. **other id:** PVP 8900155. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556919  
**origin:** United States. **origin institute:** Jacob Hartz Seed Co., Inc.  
**cultivar:** HARTZ 6372. **other id:** PVP 8900264. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

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**PI 556920 to 556924. Glycine max (L.) Merr. FABACEAE**

**Donated by:** Growmark, Inc., United States. Received 1989.

PI 556920  
**origin:** United States. **origin institute:** Growmark, Inc.  
**cultivar:** HS 2455. **other id:** PVP 8900148. **source:** Pending. **group:** PVPO. Annual. Cultivar. Seed.

PI 556921  
**origin:** United States. **origin institute:** Growmark, Inc.  
**cultivar:** HS 266. **other id:** PVP 8900146. **source:** Application abandoned/withdrawn. **group:** PVPO. Annual. Cultivar. Seed.

PI 556922  
**origin:** United States. **origin institute:** Growmark, Inc.  
**cultivar:** HS 2821. **other id:** PVP 8900149. **source:** Pending. **group:** PVPO. Annual. Cultivar. Seed.

PI 556923  
**origin:** United States. **origin institute:** Growmark, Inc.  
**cultivar:** HS 358. **other id:** PVP 8900147. **source:** Application abandoned/withdrawn. **group:** PVPO. Annual. Cultivar. Seed.

PI 556924  
**origin:** United States. **origin institute:** Growmark, Inc.  
**cultivar:** HS 4011. **other id:** PVP 8900150. **source:** Pending. **group:** PVPO. Annual. Cultivar. Seed.

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**PI 556925 to 556926. Glycine max (L.) Merr. FABACEAE**

**Donated by:** King Grain, Inc., United States. Received 1989.

PI 556925  
**origin:** United States. **origin institute:** King Grain, Inc.  
**cultivar:** K87. **other id:** PVP 8900144. **source:** Certificate in force. **group:** PVPO. Annual. Cultivar. Seed.

PI 556926  
**origin:** United States. **origin institute:** King Grain, Inc.  
**cultivar:** TK 89. **other id:** PVP 9000023. **source:** Pending. **group:** PVPO. Annual. Cultivar. Seed.
PI 556927 to 556930. Glycine max (L.) Merr. FABACEAE

Donated by: Asgrow Seed Company, United States. Received 1989.


PI 556931 to 556932. Glycine max (L.) Merr. FABACEAE

Donated by: DeKalb-Pfizer Genetics, United States. Received 1989.


PI 556933. Glycine max (L.) Merr. FABACEAE Soybean


PI 556934. Ipomoea batatas (L.) Lam. CONVOLVULACEAE

Donated by: Wilson, George, North Carolina State University, Raleigh, North Carolina, United States. Received May 02, 1985.

* Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE origin: Honduras. cultivar: CUITZEO. other id: C 16078. other id: SP-1. other id: Q 25587. Roots.
PI 556935. Ipomoea batatas (L.) Lam. CONVOLVULACEAE

Donated by: Delgado, Guillermo, Universidad Nacional Pedro Ruiz Gallo, 8 De Octubra No. 637, Lambayeque, Peru. Received September 05, 1985.

* Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
  origin: Peru. other id: C 16679. other id: 114. other id: Q 25738. Tissue Culture.

PI 556936 to 556941. Ipomoea batatas (L.) Lam. CONVOLVULACEAE Sweet potato

Donated by: AVRDC, P.O. Box 42, Shanhua, Tainan, Taiwan. Received June 30, 1988.

* PI 556936  Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato
  donor id: CN 1345-8. origin: Taiwan. other id: BE-1871.
  other id: C20989. other id: Q 27158. Tuber.

* PI 556937  Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato
  donor id: CN 1421-56. origin: Taiwan. other id: BE-1871.
  other id: C20989. other id: Q 27160. Tuber.

* PI 556938  Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato
  donor id: CN 1421-68. origin: Taiwan. other id: BE-1871.
  other id: C20989. other id: Q 27161. Tuber.

* PI 556939  Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato
  donor id: CN 1448-49. origin: Taiwan. other id: BE-1871.
  other id: C20989. other id: Q 27162. Tuber.

* PI 556940  Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato
  donor id: CN 1489-43. origin: Taiwan. other id: BE-1871.
  other id: C20989. other id: Q 27164. Tuber.

* PI 556941  Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato
  donor id: CN 1489-89. origin: Taiwan. other id: BE-1871.
  other id: C20989. other id: Q 27165. Tuber.

PI 556942. Ipomoea batatas (L.) Lam. CONVOLVULACEAE Sweet potato

Donated by: Vazquez, F., USDA-ARS, TARS, Box 70, Mayaguez, Puerto Rico. Received August 08, 1988.
* IP 556942-continued

Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE
Sweet potato
origin: Puerto Rico. 
cultivar: SPV-94. 
other id: BE-1925. 
other id: C21043. 
other id: Q 27228. Cutting.

* PI 556943 to 556947. Ipomoea batatas (L.) Lam. CONVOLVULACEAE Sweet potato

Donated by: Tay, D., Genetic Resources Unit, AVRDC, P.O. Box 42, Tainan, Taiwan. Received May 10, 1989.

* PI 556943 Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato
donor id: I 423. origin: Taiwan. 
cultivar: TAINAN 17. 

* PI 556944 Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato

* PI 556945 Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato

* PI 556946 Ipomoea batatas (L.) Lam. var. batatas CONVOLVULACEAE Sweet potato
PI 556943 to 556947-continued

* PI 556947  Ipomoea batatas (L.) Lam. var. batatas  CONVOLVULACEAE
  Sweet potato
donor id: CN 1367-2.  origin: Taiwan.  other id: BE-2335.

PI 556948 to 556950.  Glycine max (L.) Merr.  FABACEAE  Soybean

Donated by: Yunzhu, Hu, Nanjing Agricultural University, Soybean Institute, Department of Agronomy, Nanjing, Jiangsu, China. Received May 1990.

PI 556948  origin: China.  origin institute: Nanjing Agricultural University, Soybean Institute, Department of Agronomy, Nanjing, Jiangsu.  cultivar: Da bai ma.  Annual. Cultivated. Seed.

PI 556949  origin: China.  origin institute: Nanjing Agricultural University, Soybean Institute, Department of Agronomy, Nanjing, Jiangsu.  cultivar: Ke feng No.1.  Annual. Cultivated. Seed.

PI 556950  origin: China.  origin institute: Nanjing Agricultural University, Soybean Institute, Department of Agronomy, Nanjing, Jiangsu.  cultivar: Xu dou No.1.  Annual. Cultivated. Seed.

PI 556951 to 556952.  Sorghum bicolor (L.) Moench  POACEAE  Sorghum

Donated by: Rao, K.E.P., Genetic Resources Unit, ICRISAT, Patancheru, Andhra Pradesh, India. Received September 11, 1991.

PI 556951  donor id: IS 5604.  origin: India.  cultivar: ALLU JOLA.

PI 556952  donor id: IS 25131.  origin: India.  cultivar: SPV 351.

PI 556953.  Paspalum notatum Fluegge  POACEAE  Bahiagrass

PI 556953-continued


PI 556954. Hordeum vulgare L. POACEAE Barley

Donated by: Suneson, C.A., Agricultural Research Service -- USDA, Crops Research Division, Beltsville, Maryland, United States; and California Agr. Exp. Sta. Received October 17, 1991.


PI 556955. Hordeum vulgare L. POACEAE Barley


PI 556956. *Hordeum vulgare* L. POACEAE Barley

**Donated by:** Reid, D.A., Agricultural Research Service -- USDA, Crops Research Division, Beltsville, Maryland, United States; and Arizona Agr. Exp. Sta. Received October 17, 1991.

- **origin:** United States.  
- **historical origin:** United States.  
- **origin institute:** Agricultural Research Service -- USDA, Crops Research Division, Beltsville, Maryland 20705.  
- **cultivar:** CC XXIX.  
- **pedigree:** Belownee, Brachytic, Deba Abed, Indian Dwarf, Jaybel, Jaydee, Jotun, Purd. 609A2-1, Tex. 68C710, CI 8256, CI 8992, CI 10680, CI 10549, CI 4284, and CI 12140.  
- **other id:** GP-18.  
- **source:** Crop Sci. 16(2):313 1976.  
- **group:** CSR-BARLEY.  
- **remarks:** Diverse gene pool with possible new combinations of short straw or semidwarf plant types. Parents in this composite cross were predominately winter growth habit with several spring parents included. Thus the composite can be used for selecting either spring or winter types. In most cases, tall is dominant over short. Breeding Material. Seed.

PI 556957 to 556963. *Hordeum vulgare* L. POACEAE Barley

**Donated by:** Ramage, R.T., Agricultural Research Service -- USDA, Beltsville, Maryland, United States; and Arizona Agr. Exp. Sta.; and Idaho Agr. Exp. Sta. Received October 17, 1991.

**PI 556957**

- **origin:** United States.  
- **historical origin:** United States.  
- **origin institute:** Agricultural Research Service -- USDA, Beltsville, Maryland 20705.  
- **cultivar:** CC XXX-A.  
- **pedigree:** Composite cross XXX F2 seed. Mixture of F2 seed of 3 original populations.  
- **other id:** GP-20.  
- **source:** Crop Sci. 16(2):314 1976.  
- **group:** CSR-BARLEY.  
- **remarks:** Composite cross populations will segregate for wide range of characters and for ability to cross pollinate. Useful for cross pollination under many environmental conditions. Breeding Material. Seed.

**PI 556958**

- **origin:** United States.  
- **historical origin:** United States.  
- **origin institute:** Agricultural Research Service -- USDA, Beltsville, Maryland 20705.  
- **cultivar:** CC XXX-B.  
- **pedigree:** Composite cross XXX F3 seed. Next generation from CC XXX-A.  
- **other id:** GP-21.  
- **source:** Crop Sci. 16(2):314 1976.  
- **group:** CSR-BARLEY.  
- **remarks:** Composite cross populations will segregate for wide range of characters and for ability to cross pollinate. Useful for cross pollination under many environmental conditions. Breeding Material. Seed.
PI 556959  
origin: United States.  
historical origin: United States.  
origin institute: Agricultural Research Service — USDA, Beltsville, Maryland 20705.  
cultivar: CC XXX-C.  
pedigree: Composite cross XXX F1 Sib10 F2 seed. First one-half of spring barleys grown alternately at Mesa and Aberdeen in same year.  
other id: GP-22.  
group: CSR-BARLEY.  
remarks: Composite cross populations will segregate for wide range of characters and for ability to cross pollinate. Useful for cross pollination under many environmental conditions. Breeding Material. Seed.

PI 556960  
origin: United States.  
historical origin: United States.  
origin institute: Agricultural Research Service — USDA, Beltsville, Maryland 20705.  
cultivar: CC XXX-D.  
pedigree: Composite cross XXX F1 Sib3 seed. From mixture of Sib2 F2 seed of the 3 populations grown at Mesa.  
other id: GP-23.  
group: CSR-BARLEY.  
remarks: Composite cross populations will segregate for wide range of characters and for ability to cross pollinate. Useful for cross pollination under many environmental conditions. Breeding Material. Seed.

PI 556961  
origin: United States.  
historical origin: United States.  
origin institute: Agricultural Research Service — USDA, Beltsville, Maryland 20705.  
cultivar: CC XXX-E.  
pedigree: Composite cross XXX F1 Sib3 seed. From 2-rowed plants selected from the 3 populations.  
other id: GP-24.  
group: CSR-BARLEY.  
remarks: Composite cross populations will segregate for wide range of characters and for ability to cross pollinate. Useful for cross pollination under many environmental conditions. Breeding Material. Seed.

PI 556962  
origin: United States.  
historical origin: United States.  
origin institute: Agricultural Research Service — USDA, Beltsville, Maryland 20705.  
cultivar: CC XXX-F.  
pedigree: Composite cross XXX F1 Sib5 F2 and F1 Sib4 F2 seed. From mixture of Sib5 F2 seed of the first one-half of the spring barleys and Sib4 F2 of the second one-half of the spring barleys grown at Bozeman.  
other id: GP-25.  
group: CSR-BARLEY.  
remarks: Composite cross populations will segregate for wide range of characters and for ability to cross pollinate. Useful for cross pollination under many environmental conditions. Breeding Material. Seed.
PI 556963

origin: United States.
historical origin: United States.
origin institute: Agricultural Research Service -- USDA, Beltsville, Maryland 20705.
cultivar: CC XXX-G.
pedigree: Composite cross XXX F1 Sib4 F2 seed. From mixture of Sib2 F2 of the three populations grown at Aberdeen. other id: GP-26. source: Crop Sci. 16(2):314 1976.
group: CSR-BARLEY.
remarks: Composite cross populations will segregate for wide range of characters and for ability to cross pollinate. Useful for cross pollination under many environmental conditions.
Breeding Material. Seed.

PI 556964 to 556967

Hordeum vulgare L. POACEAE Barley

Donated by: Moseman, J.G., Agricultural Research Service -- USDA, Plant Genetics and Germplasm Inst., Beltsville, Maryland, United States. Received October 17, 1991.

PI 556964

origin: United States.
historical origin: United States.
origin institute: Agricultural Research Service -- USDA, Plant Genetics and Germplasm Inst., Beltsville, Maryland 20705.
cultivar: CC XXXV.
pedigree: Composite cross of male lines having excellent disease resistance and female lines that were genetically male-sterile. Equal mixture of F2 seed that went into CC XXXV-A, XXXV-B, and XXXV-C.
group: CSR-BARLEY.

PI 556965

origin: United States.
historical origin: United States.
origin institute: Agricultural Research Service -- USDA, Plant Genetics and Germplasm Inst., Beltsville, Maryland 20705.
cultivar: CC XXXV-A.
pedigree: Composite cross of male lines having excellent disease resistance and female lines that were genetically male-sterile. Mixture of 25 sources of leaf rust resistance.
group: CSR-BARLEY.
PI 556964 to 556967-continued

PI 556966  
origin institute: Agricultural Research Service -- USDA, Plant Genetics and Germplasm Inst., Beltsville, Maryland 20705.  

PI 556967  
origin institute: Agricultural Research Service -- USDA, Plant Genetics and Germplasm Inst., Beltsville, Maryland 20705.  

PI 556968 to 556969. Hordeum vulgare L.  POACEAE  Barley

Donated by: Thompson, R.K., Arizona Agr. Exp. Sta., University of Arizona, Mesa, Arizona, United States; and Agricultural Research Service -- USDA.  Received October 17, 1991.

PI 556968  

PI 556969  
PI 556970. Hordeum vulgare L. POACEAE Barley

**Donated by:** Reid, D.A., Agricultural Research Service -- USDA, Small Grains Collection, Beltsville, Maryland, United States; and Arizona Agr. Exp. Sta. Received October 17, 1991.

**origin:** United States. **historical origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Small Grains Collection, Beltsville, Maryland 20705. **cultivar:** CC XXXIV. **pedigree:** Composite cross of diverse gene pool made up of segregates from all known available lines tolerant to aluminum and/or acid soils. **other id:** GP-33. **source:** Crop Sci. 20(3):416-417 1980. **group:** CSR-BARLEY. **remarks:** Population will segregate for the following traits: male sterility and male fertility; 2- and 6-rowed spikes; hulled and naked caryopses; awned, awnleted and hooded lemmas; white and blue aleurone; rough and smooth awns; black and white lemmas and paleas; winter, facultative and spring growth habit; and a wide range of maturity dates and spike densities. Seed may be planted in fall or spring, depending. **Breeding Material. Seed.**

PI 556971 to 556972. Hordeum vulgare L. POACEAE Barley

**Donated by:** Baenziger, P.S., Agricultural Research Service -- USDA, Plant Genetics and Germplasm Inst., Beltsville, Maryland, United States. Received October 17, 1991.

**PI 556971**

**origin:** United States. **historical origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Plant Genetics and Germplasm Inst., Beltsville, Maryland 20705. **cultivar:** CC XXXVII-A. **pedigree:** Composite cross between 19 male lines of H. spontaneum having excellent disease resistance to leaf rust, powdery mildew, scald, and female lines that were genetic male sterile stocks 124 and 128. **other id:** GP-55. **source:** Crop Sci. 21(2):351-352 1981. **group:** CSR-BARLEY. **remarks:** Composite cross populations will segregate for wide range of characters. Broad spectrum of disease resistance genes. **Breeding Material. Seed.**
PI 556971 to 556972-continued

PI 556972  
**origin:** United States.  **historical origin:** United States.  
**origin institute:** Agricultural Research Service -- USDA, Plant Genetics and Germplasm Inst., Beltsville, Maryland 20705.  
**cultivar:** CC XXXVII-B.  
**pedigree:** Composite cross between 19 male lines of H. spontaneum having excellent disease resistance to leaf rust, powdery mildew, and scald and female lines that were genetic male sterile stocks 124 and 128.  
**other id:** GP-56.  
**source:** Crop Sci. 21(2):351-352 1981.  
**group:** CSR-BARLEY.  
**remarks:** Composite cross populations will segregate for wide range of characters. Broad spectrum of disease resistance genes.  
Breeding Material.  
Seed.

PI 556973 to 556975.  
*Trifolium hybrid*  
FABACEAE

**Donated by:** Taylor, N.L., Kentucky Agr. Exp. Sta., University of Kentucky, Lexington, Kentucky, United States.  
**Received October 21, 1991.**

PI 556973  
**origin:** United States.  
**origin institute:** Kentucky Agr. Exp. Sta., University of Kentucky, Lexington, Kentucky 40546.  
**pedigree:** Trifolium pratense / T. diffusum PI 204517.  
**other id:** GP-3.  
**group:** CSR-OTHER LEGUMES.  
**remarks:** Vegetative characteristics intermediate between parents.  
Flower color light to medium red. Seeds kidney shaped, colored similarly to T. pratense. Naturally cross-pollinated, but will set more seeds by selfing than normal. Growth habit annual. Nonwinterhardy in Lexington, KY. May be grown as a winter annual in the extreme southeastern U.S.  
Breeding Material.  
Seed.

PI 556974  
**origin:** United States.  
**origin institute:** Kentucky Agr. Exp. Sta., University of Kentucky, Lexington, Kentucky 40546.  
**pedigree:** Trifolium sarosiense (PI 292827) / 4XT. alpestre (PI 314116).  
**other id:** GP-9.  
**source:** Crop Sci. 18(6):1102 1978.  
**group:** CSR-OTHER LEGUMES.  
**remarks:** Pollen stainability ranges from 41-73, with mean of 63% as contrasted to parental species which show excess of 90%. Flower color purple. Heads elongated. Some exhibited chlorosis. Self-incompatible. Seeds are kidney shaped and similar size as parents. Doubtful any agronomic value due to low seed set, but may be of value for further interspecific research involving red clover.  
Breeding Material.  
Seed.

PI 556976 to 556977. Nicotiana tabacum L. SOLANACEAE Tobacco


PI 556978 to 556979. Gossypium hirsutum L. MALVACEAE Upland cotton

Donated by: Bourland, F.M., Mississippi Agr. and Forestry Exp. Sta., Mississippi State University, Mississippi State, Mississippi, United States; and Arkansas Agr. Exp. Sta. remarks: Miscot 7801 and 7824 Cotton Germplasms. Received October 23, 1991.


PI 556980. Zea mays L. subsp. mays POACEAE Corn

Donated by: Williams, P., Agricultural Research Service -- USDA, Crop Science Research Laboratory, Mississippi State, Mississippi, United States. remarks: No Certificate Requested. Received October 23, 1991.

PI 556981 to 556986. Triticum turgidum L. POACEAE Durum wheat


PI 556984  
**origin:** Canada.  **origin institute:** Swift Current Res. Sta., Agriculture Canada, Swift Current, Saskatchewan S9H 3X2.  **cultivar:** 8261-BN3-NG.  **pedigree:** G3028 / 2*DT367.  **other id:** GS-4.  **group:** CSR-WHEAT.  **remarks:** One of a pair of isolines that consists of a glaucous (G) (8261-BN3-G) and nonglaucous (NG) genotype.  8261-BN3-G displays waxy-bloom on flag leaves and sheathes, stem, and spike structures. Visible glaucous character is positively correlated with total epicuticular wax and positively correlated with grain yield. Isolines medium high in durum pigment and medium strong in gluten strength. Spring Annual. Breeding Material. Seed.

PI 556985  
**origin:** Canada.  **origin institute:** Swift Current Res. Sta., Agriculture Canada, Swift Current, Saskatchewan S9H 3X2.  **cultivar:** 8262-AR3-G.  **pedigree:** G3059 / 2*DT367.  **other id:** GS-5.  **group:** CSR-WHEAT.  **remarks:** One of a pair of isolines that consists of a glaucous (G) and nonglaucous (NG) (8262-AR3-NG) genotype. Has nonglaucous spike structures. Visible glaucous character is positively correlated with total epicuticular wax and positively correlated with grain yield. Isolines medium high in durum pigment and medium strong in gluten strength. Spring Annual. Breeding Material. Seed.

PI 556986  
**origin:** Canada.  **origin institute:** Swift Current Res. Sta., Agriculture Canada, Swift Current, Saskatchewan S9H 3X2.  **cultivar:** 8262-AR3-NG.  **pedigree:** G3059 / 2*DT367.  **other id:** GS-6.  **group:** CSR-WHEAT.  **remarks:** One of a pair of isolines that consists of a glaucous (G) (8262-AR3-G) and nonglaucous (NG) genotype. 8262-AR3-G has nonglaucous spike structures. Visible glaucous character is positively correlated with total epicuticular wax and positively correlated with grain yield. Isolines medium high in durum pigment and medium strong in gluten strength. Spring Annual. Breeding Material. Seed.

PI 556987.  **Elytrigia intermedia (Host) Nevski**  POACEAE Intermediate wheatgrass  
**Donated by:** Berdahl, J.D., Agricultural Research Service -- USDA, Northern Great Plains Research Lab, Mandan, North Dakota, United States; and Soil Conservation Service -- USDA; and North Dakota Agr. Exp. Sta..  **remarks:** Reliant Intermediate Wheatgrass. Received October 23, 1991.
PI 556987-continued

origin: United States. origin institute: Agricultural Research Service -- USDA, Northern Great Plains Research Lab., Mandan, North Dakota 58554. cultivar: RELIANT. pedigree: Six-clone synthetic, traces to a source population of 2500 plants derived by intermating plants from 24 cultivars and experimental strains and bulking equal quantities of seed from each parent plant. other id: Mandan 11813. other id: CV-20. group: CSR-WHEATGRASS. remarks: Recommended in mixtures with alfalfa for hay in regions of the Northern Great Plains where annual precipitation averages more than 350mm. Moderate to good resistance to leaf-spot and root-rot caused primarily by Cochliobolus sativus. Forage and seed yields high in regional tests, particularly in long-term tests of over 3 years. In vitro digestibility at anthesis averaged 618g. received as: Thinopyrum intermedium. Perennial. Cultivar. Seed.

PI 556988. Psathyrostachys juncea (Fischer) Nevski POACEAE Russian wildrye

Donated by: Berdahl, J.D., Agricultural Research Service -- USDA, Northern Great Plains Research Lab, Mandan, North Dakota, United States; and Soil Conservation Service -- USA; and North Dakota Agr. Exp. Sta.. remarks: Mankota Russian Wildrye. Received October 23, 1991.

origin: United States. origin institute: Agricultural Research Service -- USA, Northern Great Plains Research Lab., Mandan, North Dakota 58554. cultivar: MANKOTA. pedigree: Six-clone synthetic, traces to a source population of 29 different cultivars, experimental strains, and plant introductions. Parent clones were selected from PI 314675, Mandan Bulk Population 34, and PI 272136. other id: Mandan R1808. other id: CV-149. group: CSR-OTHER GRASSES. remarks: Recommended for complimentary pasture from late summer to early winter in the Northern Great Plains when nutritive quality of Russian wildrye is relatively high. Plant height averaged approximately 25cm taller and heading and anthesis dates approximately 2 days later than other current cultivars. Moderate resistance to Septoria spraguei, the most prevalent pathogen causing leaf-spot disease. Forage. Perennial. Cultivar. Seed.

PI 556989. Glycine max (L.) Merr. FABACEAE Soybean

PI 556989-continued


PI 556990. Trifolium incarnatum L. FABACEAE Crimson clover

Donated by: Knight, W.E., Agricultural Research Service -- USDA, Plant Science Research Division, State College, Mississippi, United States; and Mississippi Agr. and Forestry Exp. Sta.. Received October 25, 1991.


PI 556991. Trifolium repens L. FABACEAE White clover

Donated by: Sonmor, L.G., Research Station, Agriculture Canada, Melfort, Saskatoon, Canada. Received October 25, 1991.

PI 556992. Arachis hypogaea L.  FABACEAE  Peanut


PI 556993. Poa pratensis L.  POACEAE  Kentucky bluegrass


PI 556994. Citrullus lanatus (Thunb.) Matsum. & Nakai  CUCURBITACEAE  Watermelon


PI 556995. Citrullus lanatus (Thunb.) Matsum. & Nakai  CUCURBITACEAE  Watermelon


PI 556996. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Northrup King Company, United States. Received October 28, 1991.

- **origin:** United States
- **origin institute:** Northrup King Company
- **cultivar:** S 33-32
- **other id:** PVP 9200003
- **source:** Pending
- **group:** PVPO
- **Cultivar**
- **Seed**

PI 556997. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Northrup King Company, United States. Received October 28, 1991.

- **origin:** United States
- **origin institute:** Northrup King Company
- **cultivar:** S 39-11
- **other id:** PVP 9200004
- **source:** Pending
- **group:** PVPO
- **Cultivar**
- **Seed**

PI 556998. Lactuca sativa L. ASTERACEAE Lettuce

**Donated by:** Central Valley Seeds, Inc., United States. Received October 28, 1991.

- **origin:** United States
- **origin institute:** Central Valley Seeds, Inc.
- **cultivar:** ARIZONA 90
- **other id:** PVP 9200005
- **source:** Pending
- **group:** PVPO
- **Cultivar**
- **Seed**

PI 556999. Hordeum vulgare L. POACEAE Barley

**Donated by:** Utah Agr. Exp. Sta., Utah, United States. Received October 28, 1991.

- **origin:** United States
- **origin institute:** Utah Agr. Exp. Sta., Utah
- **cultivar:** ROLLO
- **other id:** PVP 9200006
- **source:** Pending
- **group:** PVPO
- **Cultivar**
- **Seed**

PI 557000. Hordeum vulgare L. POACEAE Barley

**Donated by:** Utah Agr. Exp. Sta., Utah, United States. Received October 28, 1991.

- **origin:** United States
- **origin institute:** Utah Agr. Exp. Sta., Utah
- **cultivar:** WALKER
- **other id:** PVP 9200007
- **source:** Pending
- **group:** PVPO
- **Cultivar**
- **Seed**
PI 557001. Festuca rubra L. POACEAE Fescue red

**Donated by:** James M. Stewart, Inc./Conserva Seed, United States. Received October 28, 1991.

- **origin:** United States. **origin institute:** James M. Stewart, Inc./Conserva Seed. **cultivar:** MOLATE BLUE. **other id:** PVP 9200008. **source:** Pending. **group:** PVPO. Cultivar. Seed.

PI 557002. Gossypium hirsutum L. MALVACEAE Cotton

**Donated by:** Dunn Seed Farms, Inc., United States. Received October 28, 1991.

- **origin:** United States. **origin institute:** Dunn Seed Farms, Inc. **cultivar:** DUNN-1850. **other id:** PVP 9200009. **source:** Pending. **group:** PVPO. Cultivar. Seed.

PI 557003. Nicotiana tabacum L. SOLANACEAE


- **origin:** United States. **origin institute:** Virginia Agr. Exp. Sta., Virginia. **cultivar:** VIRGINIA 45. **pedigree:** Virginia Gold / Vamorr 50. **other id:** CV-8. **source:** Agron. J. 50(11):712 1958. **group:** CSR-TOBACCO. **remarks:** Resembles Virginia Gold in appearance, growth habits and leaf characteristics, but yields somewhat less. Resistance high to tobacco mosaic and root rot. Yields and acre values good. Leaf quality similar to Virginia Gold. Nicotine and sugar content same for both varieties. Cultivar. Seed.

PI 557004 to 557005. Nicotiana tabacum L. SOLANACEAE

**Donated by:** Henderson, R.G., Virginia Polytechnic Institute, Research Division, Blacksburg, Virginia, United States. Received October 10, 1991.


PI 557006. Nicotiana tabacum L.  SOLANACEAE

Donated by: Rogers, C.H., Coker's Pedigreed Seed Company, Hartsville, South Carolina, United States. Received October 10, 1991.

PI 557007 to 557008. Stokesia laevis (Hill) E. Greene ASTERACEAE
Stokes' aster

Donated by: Bradshaw, D.W., Clemson University, Clemson, South Carolina, United States. Received October 28, 1991.

PI 557007 origin: United States. locality: Garden of D. Edmunds, P.O. Box 102, Six Mile, South Carolina. Perennial. Wild. Seed.


PI 557009. Perilla frutescens (L.) Britton LAMIACEAE


PI 557010. Glycine max (L.) Merr. FABACEAE Soybean


PI 557011. Glycine max (L.) Merr. FABACEAE Soybean

PI 557011-continued


PI 557012 to 557017. Triticum aestivum L. POACEAE Common wheat

Donated by: Souza, E., University of Idaho, Res. & Ext. Center, P.O. Box AA, Aberdeen, Idaho, United States; and Agricultural Research Service—USDA. Received October 16, 1991.


PI 557018. Corylus americana Marshall BETULACEAE Filbert (Hazel)

donated by: Henry, J., Plant Materials Center, Elsberry, Missouri, United States. Received September 08, 1981.


PI 557019. Corylus americana Marshall BETULACEAE Filbert (Hazel)

donated by: Reisch, Bruce, Cornell University, NY State Ag. Exp. Sta., Dept. Hort. and Viticulture, Geneva, New York, United States. Received October 01, 1982.


PI 557020. Corylus americana Marshall BETULACEAE Filbert (Hazel)

donated by: Weiser, C.J., Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received February 09, 1983.

PI 557021. Corylus americana Marshall BETULACEAE Filbert (Hazel)

Donated by: Widrlechner, Dr. Mark, USDA/ARS/NC-7, Iowa State University, Ames, Iowa, United States. Received April 20, 1987.


PI 557022. Corylus americana Marshall BETULACEAE Filbert (Hazel)

Donated by: Germain, Dr. Eric, INRA, Station Recherches d'Arboriculture, Pont-de-la-Maye, France. Received March 06, 1989.


PI 557023. Corylus americana Marshall BETULACEAE Filbert (Hazel)

Donated by: Rutter, Phillip, Badgersett Research Farm, Canton, Minnesota, United States. Received April 18, 1991.


PI 557024 to 557043. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Thompson, Dr. M.M., Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received January 12, 1981.


PI 557024 to 557043-continued


PI 557027 **origin**: United States. **historical origin**: France. **cultivar**: Hall's Giant. **pedigree**: Seedling selection. **other id**: Geante de Halle. **other id**: Halle'sche Reisennuss. **other id**: Bollwiller. **remarks**: Husk remains green and fleshy, nuts very even, broad at base, bright golden, thick-shelled. Perennial. Cultivar. Plant.


PI 557033 **origin**: United States. **historical origin**: Spain. **cultivar**: Casina. **pedigree**: Selection from the wild in Northern Spain. **remarks**: This is a very minor cultivar in Spain. Perennial. Cultivar. Plant.

PI 557035 origin: United States. historical origin: Italy. 
cultivar: Tonda Gentile delle Langhe. pedigree: Seedling 
selection. other id: Ronde du Piemont. other id: Tonda 

PI 557036 origin: United States. origin institute: Oregon State 
University, Dept. Horticulture, Corvallis, Oregon 97331. 
cultivar: OSU 14-19. pedigree: Selection of Barcelona x 

PI 557037 origin: United States. historical origin: Spain. 
cultivar: Barcelona. pedigree: Chance seedling. other 
id: Grosse Blanche de Angleterre. other id: Gertile de 
Coutard. other id: Castanyera. remarks: The commercial 
variety of the Pacific Northwest. Large, vigorous, 
productive, large and attractive nuts. Perennial. 
Cultivar. Plant.

origin institute: Fitzgerald Filbert Nursery, Rt. 1, 
Washougal, Washington. cultivar: Nonpareil. remarks: 
Large, good-quality kernel but with large hollow center 

PI 557039 origin: United States. historical origin: United 
Kingdom. cultivar: Cosford. other id: Coxford. other 
id: Miss Young's. other id: Thin Shelled. remarks: 
Fairly vigorous, fair cropper, nuts long, lightly banded 

PI 557040 origin: United States. historical origin: United 
cultivar: Daviana. pedigree: Seedling selection. other 
id: Duchess of Edinburgh. other id: Des Anglais. 
remarks: Vigorous, upright, very light producer. Nuts 
very similar to Cosford, tree subject to bud mite. 

PI 557041 origin: United States. origin institute: Oregon State 
University, Dept. Horticulture, Corvallis, Oregon 97331. 
cultivar: OSU 14-84. pedigree: Barcelona x Daviana 

PI 557042 origin: United States. origin institute: Private Grower, 
Eagle Creek, Oregon. cultivar: Gasaway. pedigree: C. 
avellana selection from Oregon. other id: Gassaway. 
PI 557024 to 557043-continued

PI 557043  
**origin**: United States. **historical origin**: France.  
**cultivar**: White Aveline. **pedigree**: C. avellana selection from France. **other id**: Aveline Blanche. **other id**: White Filbert. **other id**: Weisse Lanberts Nuss. **remarks**: Excellent pollenizer although the nuts are small and not valuable commercially. Perennial. Cultivar. Plant.

PI 557044 to 557050. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by**: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 12, 1981.

PI 557044  
**origin**: United States. **origin institute**: Ryan Filbert Orchard, Rt. 1, Box 104, Gervais, Oregon 97026.  

PI 557045  
**origin**: United States. **historical origin**: United States.  
**origin institute**: Private Breeder, Washington. **cultivar**: Ennis. **pedigree**: Unknown. **remarks**: Selected primarily for its large nut size and yielding capacity, >50% of the nuts fall in the 2 largest grades. Perennial. Cultivar. Plant.

PI 557046  
**origin**: United States. **historical origin**: France.  
**cultivar**: Segorbe. **remarks**: Nuts thick-shelled, medium light brown with some banding, kernels blanche, with good flavor. Perennial. Cultivar. Plant.

PI 557047  

PI 557048  
**origin**: United States. **historical origin**: UNCERTAIN.  

PI 557049  

PI 557050  
**origin**: United States. **historical origin**: UNCERTAIN.  
PI 557051 to 557071. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by:** Thompson, Dr. M.M., Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received March 01, 1983.

**PI 557051**
- **origin:** United States.
- **historical origin:** United Kingdom.
- **cultivar:** Imperatrice Eugenie.
- **other id:** Kaiserin Eugenie.
- **other id:** Eugenie.
- **remarks:** Excellent as a pollenizer for Barcelona in Oregon. Perennial. Cultivar. Plant.

**PI 557052**
- **origin:** United States.
- **origin institute:** H.L. Pearcy Nursery, Salem, Oregon.
- **cultivar:** Royal.
- **pedigree:** Barcelona x Daviana.
- **remarks:** Nut is larger than either parent, thin-shelled with large kernels, color and markings similar to Daviana. Perennial. Cultivar. Plant.

**PI 557053**
- **origin:** United States.
- **origin institute:** Oregon State University, Dept. Horticulture, Corvallis, Oregon 97331.
- **cultivar:** OSU 20-58.

**PI 557054**
- **origin:** United States.
- **historical origin:** Italy.
- **origin institute:** Istituto per Frutticoltura, Insustuale, Torino, Oregon.
- **cultivar:** Romisondo 101.
- **pedigree:** Seedling selection.
- **other id:** Romisondo. Perennial. Cultivar. Plant.

**PI 557055**
- **origin:** United States.
- **historical origin:** Spain.
- **cultivar:** Ribet.
- **pedigree:** Seedling selection.
- **other id:** Ribeta. Perennial. Cultivar. Plant.

**PI 557056**
- **origin:** Turkey.
- **historical origin:** United States.
- **origin institute:** Oregon State University, Dept. Horticulture, Corvallis, Oregon.
- **cultivar:** OSU 54-1.
- **pedigree:** Open-pollinated seedling selection from Turkish seedlot.

**PI 557057**
- **origin:** Turkey.
- **historical origin:** United States.
- **origin institute:** Oregon State University, Dept. Horticulture, Corvallis, Oregon.
- **cultivar:** OSU 54-21.

**PI 557058**
- **origin:** Turkey.
- **historical origin:** United States.
- **origin institute:** Oregon State University, Dept. Horticulture, Corvallis, Oregon.
- **cultivar:** OSU 54-23.
- **pedigree:** Open pollinated seedling selection from Turkish seedlot.
PI 557059  origin: Turkey. historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-24. 

PI 557060  origin: Turkey. historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-39. 

PI 557061  origin: Turkey. historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-41. 

PI 557062  origin: Turkey. historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-42. 

PI 557063  origin: Turkey. historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-46. 

PI 557064  origin: Turkey. historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-47. 

PI 557065  origin: Turkey. historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-50. 

PI 557066  origin: Turkey. historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-56. 
PI 557051 to 557071-continued

PI 557067  
origin: Turkey.  
historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-58.  
pedigree: Open-pollinated seedling selection from Turkish seedlot.  
locality: Giresun, Turkey.  
Perennial.  
Breeding Material.  
Plant.

PI 557068  
origin: Turkey.  
historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-60.  
pedigree: Seedling selection from cultivar Giresun.  
locality: Giresun, Turkey.  
Perennial.  
Breeding Material.  
Plant.

PI 557069  
origin: Turkey.  
historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-80.  
pedigree: Seedling selection from cultivar Giresun.  
locality: Giresun, Turkey.  
Perennial.  
Breeding Material.  
Plant.

PI 557070  
origin: Turkey.  
historical origin: United States.  
origin institute: Oregon State University, Dept. Horticulture, Corvallis, Oregon.  
cultivar: OSU 54-81.  
pedigree: Seedling selection from cultivar Giresun.  
locality: Giresun, Turkey.  
Perennial.  
Breeding Material.  
Plant.

PI 557071  
origin: United States.  
historical origin: United States.  
cultivar: Fitzgerald.  
pedigree: Barcellona x Daviana open pollinated selection.  
other id: Fitzgerald 20.  
Perennial.  
Cultivar.  
Plant.

PI 557072 to 557076. Corylus avellana L.  
BETULACEAE Filbert (Hazel)

Donated by: Thompson, Dr. M.M., Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received January 04, 1983.

PI 557072  
origin: United States.  
historical origin: Italy.  
cultivar: Tonda Gentile delle Langhe.  
pedigree: Seedling selection.  
other id: Ronde du Piemont.  
other id: Tonda Gentile del Piemonte.  
Perennial.  
Cultivar.  
Plant.

PI 557073  
origin: United States.  
historical origin: Italy.  
cultivar: Tonda Gentile delle Langhe.  
pedigree: Seedling selection.  
other id: Ronde du Piemont.  
other id: Tonda Gentile del Piemonte.  
Perennial.  
Cultivar.  
Plant.
PI 557072 to 557076-continued

PI 557074
origin: United States. historical origin: Italy.

PI 557075
origin: United States. historical origin: Italy.

PI 557076
origin institute: Private Breeder, Nooksack, Washington.

PI 557077. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 04, 1983.

PI 557078. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received March 22, 1984.


PI 557079. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Arneson Nursery, Canby, Oregon, United States. Received January 18, 1985.

PI 557080 to 557081. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Hiirsalmi, Heimo, Agricultural Research Center, Piikkio, Finland. Received February 18, 1986.

PI 557080 origin: Finland. pedigree: Collected from the wild in Finland. collected: February 05, 1986. locality: Ala Kieri, Lappa, South-Western Finland. latitude: 61 deg. 05 min. N. longitude: 21 deg. 45 min. E. Perennial. Wild. Plant.


PI 557082 to 557083. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Reich, Dr. J., Cornell University, NY Agric. Exper. Sta., Geneva, New York, United States. Received February 19, 1986.


PI 557084 to 557098. Corylus avellana L. BETULACEAE Filbert (Hazel)


PI 557086  
**origin:** United Kingdom.  **historical origin:** Germany.  
**cultivar:** Louisen's Zellernuss.  **pedigree:** Seedling selection.  
**remarks:** Medium cropper, nut round and thick-shelled.  Perennial. Cultivar. Cutting.

PI 557087  
**origin:** United Kingdom.  **historical origin:** Germany.  
**cultivar:** Truchsess' Zellernuss.  **pedigree:** Seedling selection.  
**remarks:** Long nut, thick shell, late maturing.  Perennial. Cultivar. Cutting.

PI 557088  
**origin:** United Kingdom.  **historical origin:** France.  
**cultivar:** White Aveline.  **pedigree:** Seedling selection.  
**other id:** White Filbert.  **other id:** Weisse Lamberts Nuss.  
**other id:** Avelline Blanche.  **remarks:** Excellent pollenizer although the nuts are small and not of commercial value.  Perennial. Cultivar. Cutting.

PI 557089  
**origin:** United Kingdom.  **historical origin:** Germany.  
**cultivar:** Burchardt's Zellernuss.  **remarks:** Early, medium to poor crop, lots of suckers, kernel tough with poor flavor.  Perennial. Cultivar. Cutting.

PI 557090  
**origin:** United Kingdom.  **historical origin:** Germany.  
**cultivar:** Kadetten Zellernuss.  **remarks:** Good to fair cropper, early, nuts medium to long, oblong and very downy. Shell medium thick.  Perennial. Cultivar. Cutting.

PI 557091  
**origin:** United Kingdom.  **historical origin:** Germany.  
**cultivar:** Ludolph's Zellernuss.  **remarks:** Nut has very broad base, sharply tapering, with a thick shell. Kernel bland-flavored.  Perennial. Cultivar. Cutting.

PI 557092  
**origin:** United Kingdom.  **cultivar:** Cannon Ball.  
**pedigree:** Seedling of Hall's Giant.  **remarks:** Ripens very late, end of September to the beginning of October.  Perennial. Cultivar. Cutting.

PI 557093  
**origin:** United Kingdom.  **cultivar:** Mogulnuss.  **other id:** Mogul Nut.  **remarks:** Tree compact and vigorous, early cropper, nuts rather long and nearly enclosed, kernels with good flavor.  Perennial. Cultivar. Cutting.

PI 557094  
**origin:** United Kingdom.  **historical origin:** Germany.  
**cultivar:** Buttner's Zellernuss.  **pedigree:** Seedling selection of Voller.  **remarks:** Fairly good cropper, spreading to moderate growth, nut round, downy, with light banding.  Perennial. Cultivar. Cutting.
PI 557084 to 557098-continued

PI 557095 origin: United Kingdom. historical origin: Germany.

PI 557096 origin: United Kingdom. historical origin: Germany.
cultivar: Minna's. other id: Minna's Zellernuss.

PI 557097 origin: United Kingdom. cultivar: Frizzled Filbert.

PI 557098 origin: United Kingdom. cultivar: Red Filbert. other id: Red Lambert.

PI 557099. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Pierce and Sons Nurseries, Newburg, Oregon, United States. Received January 15, 1988.

cultivar: Du Chilly. pedigree: Seedling selection.
other id: Kentish Cob. remarks: Pollenizer for Barcelona in the Northwest, also standard cultivar in this region. Perennial. Cultivar. Cutting.

PI 557100 to 557103. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received January 23, 1988.


PI 557100 to 557103-continued

cultivar: San Jaume 261.  pedigree: Seedling selection.  
other id: Sant Joan de Morel.  Perennial.  Cultivar.  
Cutting.

PI 557104 to 557105. Corylus avellana L. BETULACEAE Filbert (Hazel)  
Donated by: Rovira, Dr. M., IRTA Centro Agropecuari, Mas Bove,  
Apartat 415, Reus, Tarragona, Spain. Received February 02, 1988.  
PI 557104  origin: Spain. origin institute: Centro de  
Experimentation Agraria, Crta Morell-Reus, Apartado 415,  
Reus, Tarragona.  cultivar: Negret Primerenc.  Perennial.  
Cultivar. Cutting.

PI 557105  origin: Spain.  cultivar: Punxenc.  other id: Negret  
Cutting.

PI 557106 to 557113. Corylus avellana L. BETULACEAE Filbert (Hazel)  
Donated by: Tasias-Valls, Dr. Juan, Centro Exp. Agr., Tarragona,  
Spain. Received February 02, 1988.

PI 557106  origin: Spain.  cultivar: Grifoll.  pedigree: Seedling  
selection.  other id: Queixal de Llop.  other id: Quiexal  
de gos.  other id: Queixagos.  remarks: Second largest  
Cutting.

PI 557107  origin: Spain.  cultivar: Culpla.  pedigree: Seedling  
selection.  other id: Culpla fort..  remarks: Originated  
in Marsa, cultivated from Priorat to Vandellos.  

PI 557108  origin: Spain.  cultivar: Artellet.  pedigree: Seedling  
selection.  other id: Artell nano.  remarks: Early,  

PI 557109  origin: Spain.  cultivar: Closca Molla.  pedigree:  
Selection of native Spanish C. avellana.  other id:  
Cutting.

PI 557110  origin: Spain.  cultivar: Trenet.  pedigree: Selection of  
Cutting.
PI 557110 to 557113-continued

PI 557111  
**origin:** Spain. **cultivar:** Artell de Palma. **pedigree:** Selection of native Spanish C. avellana. **remarks:** Late. Perennial. Cultivar. Cutting.

PI 557112  
**origin:** Spain. **cultivar:** Ros. **pedigree:** Selection of native Spanish C. avellana. **other id:** Ros de la Selva. Perennial. Cultivar. Cutting.

PI 557113  
**origin:** Spain. **cultivar:** Rosset. **pedigree:** Seedling selection. **other id:** Rosset de Valls. **other id:** Falseta en Cornudella. Perennial. Cultivar. Cutting.

PI 557114 to 557118. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by:** Tamponi, Dr. G., Inst. Sperimentale Frutticoltura, Rome, Italy. Received March 02, 1988.

PI 557114  
**origin:** Italy. **cultivar:** Bergeri. **pedigree:** Selection of Italian C. avellana. **other id:** La Bregeri. **remarks:** Nut medium to large, long to conical, light brown with dark stripes in grooves. Perennial. Cultivar. Cutting.

PI 557115  
**origin:** Italy. **historical origin:** Italy. **cultivar:** Ghirara. **pedigree:** Selection of native Italian C. avellana. **remarks:** Tree of good vigor, nuts midseason. Perennial. Cultivar. Cutting.

PI 557116  
**origin:** Italy. **cultivar:** Jean's. **remarks:** Origin of this cultivar is obscure. Perennial. Cultivar. Cutting.

PI 557117  
**origin:** Italy. **cultivar:** San Giovanni. **pedigree:** Selection of Italian C. avellana. **locality:** Campania. **remarks:** Early ripening, nuts not of high quality, short oval in shape, tree not cold hardy (Thompson). Perennial. Cultivar. Cutting.

PI 557118  
**origin:** Italy. **cultivar:** Tonda Rossa. **pedigree:** Selection of native Italian C. avellana. **remarks:** Low yielding, late to mature, no longer widely grown in Italy. Perennial. Cultivar. Cutting.

PI 557119 to 557121. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by:** Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received March 02, 1988.
PI 557119 to 557121-continued

PI 557119  
**origin:** United States.  **historical origin:** Spain.  
**cultivar:** Pauetet.  **pedigree:** Selection of native Spanish C. avellana.  **other id:** D'en Bardina.  

PI 557120  
**origin:** United States.  **historical origin:** Spain.  
**cultivar:** San Pere.  **pedigree:** Seedling selection.  

PI 557121  
**origin:** United States.  **historical origin:** Spain.  
**cultivar:** San Joan.  **pedigree:** Seedling selection.  **other id:** Sant Joan de Morel.  

PI 557122 to 557125. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by:** Ristevski, Dr. B., Inst. za Ovostarstvo, Prvomajska Br. 5, Skopje, Yugoslavia. Received February 08, 1988.

PI 557122  
**origin:** Yugoslavia.  **origin institute:** Institut Za Ovostrostvo, Prvomajska Gr. 5, Skopje 91000.  
**cultivar:** B-3.  **pedigree:** Selected from the wild in Yugoslavia.  

PI 557123  
**origin:** Yugoslavia.  **origin institute:** Institut Za Ovostrostvo, Prvomajska Gr. 5, Skopje 91000.  
**cultivar:** B-1.  **pedigree:** Selected from the wild in Yugoslavia.  

PI 557124  
**origin:** Yugoslavia.  **origin institute:** Institut Za Ovostrostvo, Prvomajska Gr. 5, Skopje 91000.  
**cultivar:** B-2.  **pedigree:** Selected from the wild in Yugoslavia.  

PI 557125  
**origin:** Yugoslavia.  **origin institute:** Institut Za Ovostrostvo, Prvomajska Gr. 5, Skopje 91000.  
**cultivar:** B-4.  **pedigree:** Selected from the wild in Yugoslavia.  

PI 557126 to 557130. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by:** Coque-Fuertes, Dr. M., Centro de Experimentacion Agro., Villaviciosa, Spain. Received February 12, 1988.

PI 557126  
**origin:** Spain.  **origin institute:** Centro de Experimentation Agraria, Apdo. 13, Villaviciosa 33300.  
**cultivar:** Amandi.  Perennial.  Cultivar.  Cutting.


PI 557131 to 557143. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Parfitt, Dr. Dan, USDA/ARS/NCGR-Davis, University of California, Davis, California, United States. Received January 26, 1988.


PI 557131 to 557143-continued

PI 557138  
**origin**: United States. **historical origin**: UNCERTAIN.  

PI 557139  
**origin**: United States. **historical origin**: Italy.  

PI 557140  
**origin**: United States. **historical origin**: United Kingdom. **cultivar**: Nottingham. **remarks**: Old cultivar, with long nuts typically Aveline in appearance and pointed at the base, 6-8 per cluster. Perennial. Cultivar. Cutting.

PI 557141  

PI 557142  
**origin**: United States. **historical origin**: UNCERTAIN.  

PI 557143  
**origin**: United States. **historical origin**: UNCERTAIN.  

PI 557144. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by**: Salt, Richard, Victoria, New South Wales, Australia.  
Received May 06, 1988.

**origin**: Australia. **historical origin**: Australia. **origin institute**: Private Breeder, PO Box 12, The Patch 3792, Victoria, New South Wales. **cultivar**: Wanliss Pride.  

PI 557145 to 557158. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by**: Brogdale Experimental Hort. Station, Faversham, Kent, England, United Kingdom. Received January 30, 1989.

PI 557145  

PI 557146  
**origin**: United Kingdom. **historical origin**: UNCERTAIN.  
PI 557147  
**PI 557147**  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Liegel's Zellernuss.  
**remarks:** Upright, full-bodied tree, nut long and thin, golden brown with light colored bands, thick shell. Perennial. Cultivar. Cutting.

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PI 557148  
**PI 557148**  
**origin:** United Kingdom.  
**historical origin:** Germany.  
**cultivar:** Gubener Barcelloner.  
**remarks:** Small, almost spherical nuts, golden with dark brown bands, shell average thickness. Perennial. Cultivar. Cutting.

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PI 557149  
**PI 557149**  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** The Shah.  
**remarks:** Rather poor cropper, nuts downy, oblong and broad, shell medium to thick, kernel has fair flavor. Perennial. Cultivar. Cutting.

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PI 557150  
**PI 557150**  
**origin:** United Kingdom.  
**historical origin:** France.  
**cultivar:** Prolifique A Coque Serree.  
**remarks:** Vigorous, nuts golden brown with slight banding, long and thin-shelled. Kernel has very good flavor. Perennial. Cultivar. Cutting.

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PI 557151  
**PI 557151**  
**origin:** United Kingdom.  
**historical origin:** Germany.  
**cultivar:** Sickler's Zellernuss.  
**other id:** Langste Zellernuss.  
**other id:** Fichtwerders Zellernuss.  
**remarks:** Medium growth, leggy and wide-spreading, nut small to medium sized, golden brown with light brown bands, thick shell. Perennial. Cultivar. Cutting.

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PI 557152  
**PI 557152**  
**origin:** United Kingdom.  
**cultivar:** Multiflora.  
**other id:** Nottingham.  
**remarks:** Very old cultivar, nuts golden brown with brown banding, thin-shelled. Perennial. Cultivar. Cutting.

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PI 557153  
**PI 557153**  
**origin:** United Kingdom.  
**historical origin:** Germany.  
**cultivar:** Lange Landsberger.  
**other id:** Langste Zellernuss.  
**other id:** Fichtwerders Zellernuss.  
**remarks:** Medium growth, leggy and wide-spreading, nut small to medium sized, golden brown with light brown bands, thick shell. Perennial. Cultivar. Cutting.

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PI 557154  
**PI 557154**  
**origin:** United Kingdom.  
**historical origin:** UNCERTAIN.  
**cultivar:** Prolific Closehead.  
**other id:** Fichtmann's.  
**remarks:** Growth dwarf, leaf very flat, nuts thin-shelled, light brown, very good flavor. Perennial. Cultivar. Cutting.

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PI 557155  
**PI 557155**  
**origin:** United Kingdom.  
**cultivar:** Princess Royal.  
**other id:** Duke of Edinburgh.  
**remarks:** Very old cultivar, vigorous, fairly good cropper. Nuts taper sharply to a point, kernels woody with fair flavor. Perennial. Cultivar. Cutting.

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PI 557145 to 557158-continued

PI 557156  
**origin:** United Kingdom. **historical origin:** UNCERTAIN.  
**cultivar:** Barcelloner Zellernuss. **other id:** Barcelona.  
**remarks:** Spreading, moderately vigorous tree, good to fair cropper, kernel felted, very dry and woody, poor flavor. Perennial. Cultivar. Cutting.

PI 557157  
**origin:** United Kingdom. **cultivar:** Bandnuss. **remarks:** Vigorous, wide and spreading, nut is long, uneven shaped and downy w/pointed base. Perennial. Cultivar. Cutting.

PI 557158  
**origin:** United Kingdom. **cultivar:** Barr's Zellernuss.  
**other id:** Barr's Spanish Nut.  

PI 557159 to 557162. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by:** Profestation voor de Fruitteelt, Wilhelminendorp, Netherlands. Received January 30, 1989.

PI 557159  
**origin:** Netherlands. **historical origin:** United Kingdom.  
**cultivar:** Pearson's Prolific. **remarks:** Vigorous, early, fair cropper, nuts large and plump, downy with a thick shell. Kernel with good flavor. Perennial. Cultivar. Cutting.

PI 557160  
**origin:** Netherlands. **historical origin:** United Kingdom.  
**cultivar:** Webb's Price Cob. **pedigree:** Seedling selection. **other id:** Preisnuss. **other id:** Webb's Preisnuss. **other id:** Filbert Cobb v. Hogg. **remarks:** Ripens in mid-September, nuts are long. Perennial. Cultivar. Cutting.

PI 557161  
**origin:** Netherlands. **historical origin:** United Kingdom.  
**cultivar:** Long Tiding Zeller. **other id:** Early Long Zeller. **remarks:** Old cultivar, one of the hardiest known. Perennial. Cultivar. Cutting.

PI 557162  
**origin:** Netherlands. **historical origin:** United Kingdom.  
**cultivar:** Garibaldi. **pedigree:** Seedling selection. **other id:** Webb's Garibaldi. **remarks:** Old cultivar, one of the hardiest known, nuts oblong and very tapering, very thin-shelled. Perennial. Cultivar. Cutting.

PI 557163 to 557168. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by:** Minist. de Agricultura, Pesca Y Alimentacion, Spain. Received January 30, 1989.
PI 557163 to 557168-continued

PI 557163 origin: Spain. **cultivar:** Pinyolenc. **other id:** Floquet. **other id:** Pinyolenca. **other id:** Avellana petita. Perennial. Cultivar. Cutting.


PI 557165 origin: Spain. **cultivar:** Garrofi. **other id:** Negret Garrofi. **other id:** Garrofina. **other id:** Ratllada. Perennial. Cultivar. Cutting.


PI 557169 to 557171. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by:** Forskingsstasjon, Njos, Hermansverk, Norway. Received February 21, 1989.


PI 557172 to 557189. Corylus avellana L. BETULACEAE Filbert (Hazel)

**Donated by:** Craddock, Dr. Hill, Inst. Frutticoltura Ind., Torino, Italy. Received March 09, 1989.

PI 557172 origin: Italy. **cultivar:** Nostrale. **other id:** Secondo Alberghina. **other id:** Santa Maria del Gesu. **remarks:** Vigorous and very productive, early. Perennial. Cultivar. Cutting.


PI 557172 to 557189-continued

PI 557175  **origin:** Italy.  **cultivar:** Siciliana.  **pedigree:** Seedling selection.  **other id:** Sicilia.  **remarks:** Similar to Montebello.  Perennial.  Cultivar.  Cutting.

PI 557176  **origin:** Italy.  **cultivar:** Apolda.  **remarks:** Late, pollinates Cosford, Gunslebert, Merveille de Bollwille.  Perennial.  Cultivar.  Cutting.

PI 557177  **origin:** Italy.  **cultivar:** Barbarella.  Perennial.  Cultivar.  Cutting.

PI 557178  **origin:** Italy.  **cultivar:** Comen.  **remarks:** Medium-early, medium vigor, good productivity, pollinates Royal, Tonda Romana, Riccia di Talanico.  Perennial.  Cultivar.  Cutting.

PI 557179  **origin:** Italy.  **cultivar:** Nocciolino Sangrato.  Perennial.  Cultivar.  Cutting.

PI 557180  **origin:** Italy.  **cultivar:** Noccione.  Perennial.  Cultivar.  Cutting.

PI 557181  **origin:** Italy.  **cultivar:** Barrettona.  **remarks:** Medium-early, pollinates Apolda, Tonda Romana, Cosford, Riccia di Talanico.  Perennial.  Cultivar.  Cutting.

PI 557182  **origin:** Italy.  **cultivar:** Bianca.  Perennial.  Cultivar.  Cutting.

PI 557183  **origin:** Italy.  **cultivar:** Iannusa Racinante.  Perennial.  Cultivar.  Cutting.

PI 557184  **origin:** Italy.  **cultivar:** Comun Aleva.  Perennial.  Cultivar.  Cutting.

PI 557185  **origin:** Italy.  **historical origin:** Italy.  **cultivar:** Comune di Sicilia.  **other id:** Secondo Alberghina.  **other id:** di Nostrale.  **other id:** Santa Maria del Gesu.  **remarks:** Medium to late, pollinates Tonda Romana, Cosford, Carrello, and Gunslebert.  Perennial.  Cultivar.  Cutting.

PI 557186  **origin:** Italy.  **cultivar:** Locale di Piazza Armerina.  Perennial.  Cultivar.  Cutting.

PI 557187  **origin:** Italy.  **cultivar:** Pallagrossa.  **remarks:** Late ripening.  Perennial.  Cultivar.  Cutting.

PI 557188  **origin:** Italy.  **cultivar:** Napoletana.  Perennial.  Cultivar.  Cutting.
PI 557172 to 557189-continued

PI 557189  origin: Italy. historical origin: Italy. cultivar: Carrello. remarks: Late, productive. Perennial. Cultivar. Cutting.

PI 557190 to 557192. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Germain, Dr. Eric, INRA, Station Recherches d'Arboriculture, Pont-de-la-Maye, France. Received March 06, 1989.


PI 557193. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Craddock, Dr. Hill, Inst. Frutticoltura Ind., Torino, Italy. Received March 06, 1989.


PI 557194. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Fleury, J.F., Fruits Oblies Sauve Qui Pomme, Maribor, France. Received March 14, 1989.


PI 557195 to 557199. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Hansen, Dr. P., Royal Veterinary and Agricultural University, Fredericksburg, Denmark. Received April 14, 1989.

PI 557195 to 557199-continued

PI 557196  
origin: Denmark. historical origin: Germany.  
cultivar: Heynick's Zellernuss.  
pedigree: Seedling selection.  

PI 557197  
origin: Denmark. historical origin: UNCERTAIN.  
cultivar: Korthaset Zellernuss.  
Cutting.

PI 557198  
origin: Denmark. historical origin: UNCERTAIN.  
cultivar: Provence.  
Cutting.

PI 557199  
origin: Denmark. historical origin: Germany.  
cultivar: Riekchen's Zellernuss.  
pedigree: Seedling selection.  

PI 557200 to 557206. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received February 20, 1990.

PI 557200  
origin: Spain.  
origin institute: IRTA Agric. Center, Reus, Tarragona.  
cultivar: Tomasina.  

PI 557201  
origin: Spain.  
origin institute: IRTA Agric. Center, Reus, Tarragona.  
cultivar: Ratllada.  

PI 557202  
origin: Spain.  
cultivar: Grifoll.  
pedigree: Seedling selection.  
other id: Queixal de Llop.  
other id: Quiexal de gos.  
other id: Queixagos.  
remarks: Second largest cultivated variety in Spain.  

PI 557203  
origin: Spain.  
origin institute: IRTA Agric. Center, Reus, Tarragona.  
cultivar: Martorella.  

PI 557204  
origin: Spain.  
origin institute: IRTA Agric. Center, Reus, Tarragona.  
cultivar: Planeta.  

PI 557205  
origin: Spain.  
origin institute: IRTA Agric. Center, Reus, Tarragona.  
cultivar: Francoli.  

PI 557206  
origin: Spain. historical origin: Italy.  
cultivar: Belle di Giubilino.  
PI 557207 to 557212. Corylus avellana L. BETULACEAE Filbert (Hazel)


PI 557213 to 557218. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Tamponi, Dr. G., Inst. Sperimentale Frutticoltura, Rome, Italy. Received February 23, 1990.


PI 557213 to 557218-continued

PI 557218  
**origin:** Italy.  
**origin institute:** Instituta Sperimentale per la Frutticoltura, Ciampino Aeroporto, Rome 00040.  
**cultivar:** Tonnolella. Perennial. Cultivar. Cutting.

PI 557219. Corylus avellana L. BETULACEAE Filbert (Hazel)  
**Donated by:** Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received May 07, 1990.  
**origin:** Bulgaria.  
**cultivar:** Bulgaria XI-8.  
**remarks:** Received propagated from the OSU Variety Plot. Perennial. Breeding Material. Plant.

PI 557220. Corylus avellana L. BETULACEAE Filbert (Hazel)  
**Donated by:** Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received September 28, 1990.  
**origin:** United States.  
**historical origin:** Italy.  
**cultivar:** Tonda Gentile Romana.  
**pedigree:** C. avellana selection from Italy.  
**other id:** Tonda Romana.  
**other id:** Tonda Gentile di Viterbo. Perennial. Cultivar. Plant.

PI 557221 to 557222. Corylus avellana L. BETULACEAE Filbert (Hazel)  
**Donated by:** Germain, Dr. Eric, INRA, Station Recherches d'Arboriculture, Pont-de-la-Maye, France. Received February 01, 1991.  
**PI 557221**  
**origin:** France.  
**historical origin:** Spain.  
**cultivar:** Pauetet.  
**pedigree:** Selection of native Spanish C. avellana.  
**other id:** D'en Bardina. Perennial. Cultivar. Cutting.

**PI 557222**  
**origin:** France.  
**historical origin:** Italy.  
**cultivar:** Tonda di Biglini. Perennial. Cultivar. Cutting.

PI 557223 to 557225. Corylus avellana L. BETULACEAE Filbert (Hazel)  
**Donated by:** Pereira, J.G., INIA, Est. Nac. de Fruit., Alcobaca, Portugal. Received February 01, 1991.  
**PI 557223**  
**origin:** Portugal.  
**historical origin:** UNCERTAIN.  
**cultivar:** Comun. Perennial. Cultivar. Cutting.
PI 557223 to 557225-continued

PI 557224 origin: Portugal. historical origin: UNCERTAIN. 

PI 557225 origin: Portugal. historical origin: UNCERTAIN. 

PI 557226 to 557232. Corylus avellana L. BETULACEAE Filbert (Hazel)

Donated by: Romisondo, Prof. P., Instituto di Frutticoltura Ind., 
Universita di Torino, Via Ormea 99, Torino, Italy. Received 
February 01, 1991.

PI 557226 origin: Italy. origin institute: Istituto di 
Frutticoltura Industriale, dell Universita di Torino, Via 
Ormea, 99, Torino 10126. 
cultivar: TGDL x Cosford sel. 
119. pedigree: Tonda Gentile delle Langhe x Cosford 
selection. remarks: Nuts 48-50% kernel, kernels hard, 
medium fiber, poor pellicle removal, shell medium-thick. 

PI 557227 origin: Italy. origin institute: Istituto di 
Frutticoltura Industriale, dell Universita di Torino, Via 
Ormea, 99, Torino 10126. 
cultivar: TGDL x Cosford sel. 
104E. pedigree: Tonda Gentile delle Langhe x Cosford 
selection. remarks: Nuts 48-54% kernel, kernels hard, 
little fiber, very good pellicle removal, shell 

PI 557228 origin: Italy. origin institute: Istituto di 
Frutticoltura Industriale, dell Universita di Torino, Via 
Ormea, 99, Torino 10126. 
cultivar: TGDL x Cosford sel. 
123P. pedigree: Tonda Gentile delle Langhe x Cosford 
selection. remarks: Nuts 45-47% kernel, kernels hard, 
little fiber, good pellicle removal, shell medium-thick. 

PI 557229 origin: Italy. origin institute: Istituto di 
Frutticoltura Industriale, dell Universita di Torino, Via 
Ormea, 99, Torino 10126. 
cultivar: Payrone x Gentile di 
Viterbo Sel. G/l. pedigree: Tonda Gentile delle Langhe x 
Cosford selection. remarks: Nuts 50-55% kernel, kernels 
medium soft, high fiber, good pellicle removal, shell 

PI 557230 origin: Italy. origin institute: Istituto di 
Frutticoltura Industriale, dell Universita di Torino, Via 
Ormea, 99, Torino 10126. 
cultivar: TGDL x Cosford sel. 
101. pedigree: Tonda Gentile delle Langhe x Cosford 
selection. remarks: Nuts 51-56% kernel, kernels medium 
soft, medium fiber, very good pellicle removal, shell 
PI 557226 to 557232-continued

PI 557231  
**origin:** Italy.  
**origin institute:** Istituto di Frutticoltura Industriale, dell Universita di Torino, Via Ormea, 99, Torino 10126.  
**cultivar:** TGDL x Cosford sel. 3L.  
**pedigree:** Tonda Gentile delle Langhe x Cosford selection.  

PI 557232  
**origin:** Italy.  
**origin institute:** Istituto di Frutticoltura Industriale, dell Universita di Torino, Via Ormea, 99, Torino 10126.  
**cultivar:** TGDL x Cosford sel. 104F.  
**pedigree:** Tonda Gentile delle Langhe x Cosford selection.  

PI 557233 to 557234. Corylus avellana L. BETULACEAE Filbert (Hazel)  
**Donated by:** Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received May 01, 1991.

PI 557233  
**origin:** United States.  
**historical origin:** Italy.  
**cultivar:** Roma 1. Perennial. Cultivar. Plant.

PI 557234  
**origin:** United States.  
**origin institute:** Oregon State University, Dept. of Horticulture, East Farm, Corvallis, Oregon 97333.  
**cultivar:** Willamette.  
**pedigree:** Montebello x Compton. Perennial. Cultivar. Plant.

PI 557235 to 557243. Corylus avellana L. BETULACEAE Filbert (Hazel)  
**Donated by:** Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received February 1991.

PI 557235  
**origin:** United States.  
**historical origin:** Spain.  
**cultivar:** Ceret. Perennial. Cultivar. Cutting.

PI 557236  
**origin:** United States.  
**historical origin:** Spain.  
**cultivar:** Espinaredo.  
**remarks:** Originated in Northern Spain, in the same area as the cultivar Casina. Perennial. Cultivar. Cutting.

PI 557237  
**origin:** United States.  
**historical origin:** Turkey.  
**cultivar:** Karidaty. Perennial. Cultivar. Cutting.

PI 557238  
**origin:** United States.  
**historical origin:** France.  
**cultivar:** Fructo Albo.  
**other id:** White Lambert. Perennial. Cultivar. Cutting.
PI 557235 to 557243—continued

PI 557239  
**origin**: United States.  **historical origin**: Italy.  

PI 557240  
**origin**: United States.  **historical origin**: Turkey.  

PI 557241  
**origin**: United States.  **historical origin**: UNCERTAIN.  

PI 557242  
**origin**: United States.  **historical origin**: Turkey.  

PI 557243  
**origin**: United States.  **historical origin**: Spain.  

PI 557244. Corylus colurna L.  BETULACEAE  Filbert (Hazel)  
**Donated by**: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 13, 1984.

**origin**: UNCERTAIN.  **historical origin**: United States.  

PI 557245. Corylus colurna L.  BETULACEAE  Filbert (Hazel)  
**Donated by**: Parfitt, Dr. Dan, USDA/ARS/NCGR-Davis, University of California, Davis, California, United States. Received January 26, 1988.

**origin**: United States.  **historical origin**: UNCERTAIN.  

PI 557246. Corylus colurna L.  BETULACEAE  Filbert (Hazel)  
**Donated by**: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 15, 1989.

PI 557247 to 557250. Corylus colurna L. BETULACEAE Filbert (Hazel)

Donated by: Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received February 09, 1990.


PI 557248 origin: UNCERTAIN. pedigree: Originally collected from the wild. remarks: This clone was brought to Oregon by the Forestry Dept. at Oregon State University. Perennial. Cultivated. Plant.


PI 557251 to 557256. Corylus colurna L. BETULACEAE Filbert (Hazel)

Donated by: Germain, Dr. Eric, INRA, Station Recherches d'Arboriculture, Pont-de-la-Maye, France. Received February 23, 1990.


PI 557254  
origin: Poland.  
historical origin: France.  
origin institute: INRA, Centre de Recherches de Bordeaux, Sta.  
Rech. d'Arboriculture Fruitiere, Port-dela-Maye,BP131  
33140.  
pedigree: Selection.  
remarks: The public garden was near the French Embassy in Varsavie.  
Perennial.  
Breeding Material.  
Cutting.

PI 557255  
origin: Czechoslovakia.  
historical origin: France.  
origin institute: INRA, Centre de Recherches de Bordeaux,  
Sta. Rech. d'Arboriculture Fruitiere,  
Port-dela-Maye,BP131 33140.  
pedigree: Selection.  
Perennial.  
Breeding Material.  
Cutting.

PI 557256  
origin: Germany.  
historical origin: France.  
origin institute: INRA, Centre de Recherches de Bordeaux,  
Sta. Rech. d'Arboriculture Fruitiere, BP 131 33140.  
pedigree: Selection.  
Perennial.  
Breeding Material.  
Cutting.

PI 557257 to 557258. Corylus colurna L.  
BETULACEAE  
Filbert (Hazel)

Donated by: Germain, Dr. Eric, INRA, Station Recherches  
d'Arboriculture, Pont-de-la-Maye, France.  
Received February 01, 1991.

PI 557257  
origin: France.  
origin institute: INRA, Centre des  
Recherches de Bordeaux, Station des Recherches  
d'Arboriculture, Pont-de-la-Maye.  
cultivar: N435-1.  
Perennial.  
Breeding Material.  
Plant.

PI 557258  
origin: France.  
origin institute: INRA, Centre des  
Recherches de Bordeaux, Station des Recherches  
d'Arboriculture, Pont-de-la-Maye.  
cultivar: N471-1.  
Perennial.  
Breeding Material.  
Plant.

PI 557259. Corylus colurna var. chinensis (Franchet) Burkill  
BETULACEAE  
Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447  
Peoria Road, Corvallis, Oregon, United States.  
Received January 12, 1981.

origin: United States.  
historical origin: United States.  
origin institute: Private Breeder, Nooksack, Washington.  
cultivar: Nooksack.  
pedigree: Chance seedling of Kentish Cob.  
remarks: Productive, growth habit similar to DuChilly but more spreading, pollinates DuChilly and late  
bloom of Barcelona.  
Perennial.  
Cultivar.  
Plant.
PI 557260. Corylus colurna var. chinensis (Franchet) Burkill
BETULACEAE Filbert (Hazel)

*Donated by:* Thompson, Dr. M.M., Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received January 29, 1982.


PI 557261. Corylus colurna var. chinensis (Franchet) Burkill
BETULACEAE Filbert (Hazel)

*Donated by:* Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received February 28, 1984.


PI 557262 to 557265. Corylus colurna var. chinensis (Franchet) Burkill
BETULACEAE Filbert (Hazel)

*Donated by:* Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received March 22, 1984.

PI 557262

PI 557263

PI 557264

PI 557265
PI 557266. Corylus colurna var. chinensis (Franchet) Burkill
BETULACEAE Filbert (Hazel)

Donated by: Leutert, J.L., Manjumur, Australia. Received July 24, 1989.

origin: China. historical origin: Australia. origin
institute: Private Breeder, PO Box 689, Manjimur, Western
Australia 6258. pedigree: Seedling selection from
seedlot collected in China. Perennial. Breeding
Material. Cutting.

PI 557267. Corylus colurna var. lacera (Wallich) A. DC. BETULACEAE
Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCRG-Corvallis, 33447
Peoria Road, Corvallis, Oregon, United States. Received January 12, 1981.

origin: Nepal. pedigree: Collected from the wild in
Nepal. local name: Jaquemont Filbert. locality:
Himalayan Mountains. latitude: 28 deg. 00 min. N.
longitude: 084 deg. 30 min. E. remarks: Originally
collected by the Jaquemont expedition to the Himalayas.

PI 557268. Corylus colurna var. lacera (Wallich) A. DC. BETULACEAE
Filbert (Hazel)

Donated by: Thompson, Dr. M.M., Oregon State University, Department
of Horticulture, Corvallis, Oregon, United States. Received January 12, 1989.

origin: Pakistan. historical origin: United States.
origin institute: USDA/ARS/NCRG-Corvallis, 33447 Peoria
Road, Corvallis, Oregon. pedigree: Seedling selection
from Pakistani seedlot. local name: Mazeer (in
Kohistani), Jungli Badam (in Urdu). Perennial. Breeding
Material. Plant.

PI 557269. Corylus cornuta Marshall BETULACEAE Filbert (Hazel)

Donated by: Weiser, C.J., Oregon State University, Department of
Horticulture, Corvallis, Oregon, United States. Received February 09, 1983.

origin: United States. pedigree: Collected from the wild
in Minnesota. local name: Beaked Filbert. collected:
August 31, 1982. locality: Hackensack (near Brainerd,
MN). latitude: 46 deg. 30 min. N. longitude: 94 deg. 20
PI 557270. Corylus cornuta Marshall BETULACEAE Filbert (Hazel)

Donated by: Jahn, Dr. Otto, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received April 28, 1983.


PI 557271. Corylus cornuta Marshall BETULACEAE Filbert (Hazel)

Donated by: Jahn, Dr. Otto, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 10, 1984.


PI 557272. Corylus cornuta Marshall BETULACEAE Filbert (Hazel)

Donated by: Jahn, Dr. Otto, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 15, 1986.


PI 557273. Corylus cornuta Marshall BETULACEAE Filbert (Hazel)

Donated by: Smith, D., Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received March 14, 1990.

PI 557274 to 557278. Corylus cornuta Marshall BETULACEAE Filbert (Hazel)

**Donated by:** Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received May 01, 1991.

PI 557274  
**origin:** United States.  
**origin institute:** Oregon State University, Dept. of Horticulture, East Farm, Corvallis, Oregon 97333.  
**cultivar:** C. cornuta #8/D. Perennial.  
Breeding Material. Plant.

PI 557275  
**origin:** United States.  
**origin institute:** Oregon State University, Dept. of Horticulture, East Farm, Corvallis, Oregon 97333.  
**cultivar:** C. cornuta #2/S. Perennial.  
Breeding Material. Plant.

PI 557276  
**origin:** United States.  
**origin institute:** Oregon State University, Dept. of Horticulture, East Farm, Corvallis, Oregon 97333.  
**cultivar:** C. cornuta #3. Perennial.  
Breeding Material. Plant.

PI 557277  
**origin:** United States.  
**origin institute:** Oregon State University, Dept. of Horticulture, East Farm, Corvallis, Oregon 97333.  
**cultivar:** C. cornuta #15. Perennial.  
Breeding Material. Plant.

PI 557278  
**origin:** United States.  
**origin institute:** Oregon State University, Dept. of Horticulture, East Farm, Corvallis, Oregon 97333.  
**cultivar:** C. cornuta #16. Perennial.  
Breeding Material. Plant.

PI 557279. Corylus cornuta var. californica (A. DC.) W. Sharp BETULACEAE Filbert (Hazel)

**Donated by:** Kyriss, Camille, Sweet Home, Oregon, United States.  
Received April 28, 1983.

**origin:** United States.  
**pedigree:** Collected from the wild in Oregon.  
**local name:** Beaked Filbert.  
**collected:** September 30, 1982.  
**locality:** Sweethome, OR.  
**latitude:** 44 deg. 30 min. N.  
**longitude:** 122 deg. 40 min. W.  
**elevation:** 330m. Perennial. Wild. Plant.

PI 557280 to 557291. Corylus cornuta var. californica (A. DC.) W. Sharp BETULACEAE Filbert (Hazel)

**Donated by:** Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received January 23, 1988.
PI 557280  
**origin**: United States.  
**historical origin**: United States.  
**origin institute**: Soil Conservation Service, Plant Materials Center, Corvallis, Oregon 97331.  
**cultivar**: 61-4.  
**pedigree**: Selected from the wild in Washington.  
**local name**: Beaked Filbert.  
**locality**: Lewis County.  
**latitude**: 46 deg. 30 min. N.  
**longitude**: 122 deg. 10 min. W.  
**Perennial. Breeding Material. Cutting.**

PI 557281  
**origin**: United States.  
**origin institute**: Soil Conservation Service, Plant Materials Center, Corvallis, Oregon 97331.  
**cultivar**: 27-5.  
**pedigree**: Selected from the wild in Oregon.  
**local name**: Beaked Filbert.  
**locality**: Hood River County.  
**latitude**: 45 deg. 40 min. N.  
**longitude**: 121 deg. 50 min. W.  
**Perennial. Breeding Material. Cutting.**

PI 557282  
**origin**: United States.  
**origin institute**: Soil Conservation Service, Plant Materials Center, Corvallis, Oregon 97331.  
**cultivar**: 49-2.  
**pedigree**: Selected from the wild in Oregon.  
**local name**: Beaked Filbert.  
**locality**: Clatsop County.  
**latitude**: 46 deg. N.  
**longitude**: 123 deg. 45 min. W.  
**Perennial. Breeding Material. Cutting.**

PI 557283  
**origin**: United States.  
**origin institute**: Soil Conservation Service, Plant Materials Center, Corvallis, Oregon 97331.  
**cultivar**: 58-5.  
**pedigree**: Selected from the wild in Oregon.  
**local name**: Beaked Filbert.  
**locality**: Columbia County.  
**latitude**: 46 deg. N.  
**longitude**: 123 deg. W.  
**Perennial. Breeding Material. Cutting.**

PI 557284  
**origin**: United States.  
**origin institute**: Soil Conservation Service, Plant Materials Center, Corvallis, Oregon 97331.  
**cultivar**: 52-5.  
**pedigree**: Selected from the wild in Oregon.  
**local name**: Beaked Filbert.  
**locality**: Multnomah County.  
**latitude**: 45 deg. 30 min. N.  
**longitude**: 122 deg. 45 min. W.  
**Perennial. Breeding Material. Cutting.**

PI 557285  
**origin**: United States.  
**origin institute**: Soil Conservation Service, Plant Materials Center, Corvallis, Oregon 97331.  
**cultivar**: 51-3.  
**pedigree**: Selected from the wild in Oregon.  
**local name**: Beaked Filbert.  
**locality**: Multnomah County.  
**latitude**: 45 deg. 30 min. N.  
**longitude**: 122 deg. 45 min. W.  
**Perennial. Breeding Material. Cutting.**


PI 557292. Corylus cornuta var. californica (A. DC.) W. Sharp
BETULACEAE Filbert (Hazel)

Donated by: Archer, Jon, Woodacre, California, United States.
Received September 28, 1989.

origin: United States. pedigree: Collected from the wild
in California. local name: Beaked Filbert. collected:
1989. locality: Marin County. latitude: 38 deg. 00 min.
N. longitude: 122 deg. 20 min. W. remarks: 5 of these
seed were germinated Sept. 28, 1989. Perennial. Wild.
Seed.

PI 557293 to 557300. Corylus cornuta var. californica (A. DC.) W. Sharp
BETULACEAE Filbert (Hazel)

Donated by: Mehlenbacher, Shawn, Oregon State University, Department
of Horticulture, Corvallis, Oregon, United States. Received
February 09, 1990.

PI 557293 origin: United States. origin institute: Soil
Conservation Service, Plant Materials Center, Corvallis,
Oregon. cultivar: 13-3. pedigree: Selected from the
wild in Oregon. locality: Marion County. latitude: 44
deg. 50 min. N. longitude: 122 deg. 40 min. W.

PI 557294 origin: United States. origin institute: Soil
Conservation Service, Plant Materials Center, Corvallis,
Oregon. cultivar: 3-6. pedigree: Selected from the wild
in Oregon. locality: Polk County. latitude: 44 deg. 50
min. N. longitude: 123 deg. 30 min. W. Perennial.
Breeding Material. Plant.

PI 557295 origin: United States. origin institute: Soil
Conservation Service, Plant Materials Center, Corvallis,
Oregon. cultivar: 25-5. pedigree: Selected from the
wild in Oregon. locality: Hood River. latitude: 45 deg.
40 min. N. longitude: 121 deg. 30 min. W. Perennial.
Breeding Material. Plant.

PI 557296 origin: United States. origin institute: Soil
Conservation Service, Plant Materials Center, Corvallis,
Oregon. cultivar: 65-3. pedigree: Selected from the
wild in Oregon (?). Perennial. Breeding Material.
Plant.

PI 557297 origin: United States. origin institute: Soil
Conservation Service, Plant Materials Center, Corvallis,
Oregon. cultivar: 20-6. pedigree: Selected from the
wild in Oregon. locality: Benton County. latitude: 44
deg. 30 min. N. longitude: 123 deg. 30 min. W.
PI 557293 to 557300—continued

PI 557298  

PI 557299  

PI 557300  

PI 557301. Corylus cornuta var. californica (A. DC.) W. Sharp
BETULACEAE  Filbert (Hazel)

Donated by: Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received May 07, 1990.


PI 557302. Corylus ferox Wallich BETULACEAE  Filbert (Hazel)

Donated by: Gustofson, William, University of Nebraska, Lincoln, Nebraska, United States. Received March 15, 1985.


PI 557303. Corylus ferox var. thibetica (Batalin) Franchet BETULACEAE  Filbert (Hazel)

Donated by: Thompson, Dr. M.M., Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received January 12, 1981.
PI 557303-continued

origin: UNKNOWN. pedigree: This appears to be a hybrid of some sort. local name: Tibetan Filbert. locality: Asia. remarks: Originally received as C. tibetica. Perennial. Cultivated. Plant.

PI 557304. Corylus ferox var. thibetica (Batalin) Franchet BETULACEAE Filbert (Hazel)

Donated by: Wei, Liang, Jian Economic Forest Research Inst., Liaoning, China. Received March 25, 1988.


PI 557305. Corylus ferox var. thibetica (Batalin) Franchet BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 26, 1988.


PI 557306. Corylus heterophylla Fischer ex Trautv. BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 12, 1981.


PI 557307 to 557308. Corylus heterophylla Fischer ex Trautv. BETULACEAE Filbert (Hazel)

Donated by: Thompson, Dr. M.M., Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received January 12, 1981.

PI 557307 to 557308-continued

PI 557308  
origin: Korea, Republic of.  
local name: Siberian Filbert.  
Perennial.  
Cultivated.  
Plant.

PI 557309. Corylus heterophylla Fischer ex Trautv. BETULACEAE Filbert (Hazel)

Donated by: Westwood, M.N., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received April 28, 1983.

origin: Korea, Republic of.  
historical origin: United States.  
origin institute: USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon.  
pedigree: Seedling selection from wild Korean seedlot CCOR 533.  
Perennial.  
Breeding Material.  
Plant.

PI 557310. Corylus heterophylla Fischer ex Trautv. BETULACEAE Filbert (Hazel)

Donated by: Rui, Hao, Jilin Agricultural University, Dept. Horticulture, Changchun, Jilin, China. Received December 21, 1983.

origin: China.  
historical origin: United States.  
origin institute: USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon.  
pedigree: Seedling selection from wild Chinese seedlot CCOR 536.  
Perennial.  
Breeding Material.  
Plant.

PI 557311. Corylus heterophylla Fischer ex Trautv. BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received February 29, 1984.

origin: China.  
historical origin: Canada.  
origin institute: Gellatly Nurseries, Westbank, British Columbia.  
pedigree: Seedling selection from Chinese seedlot.  
local name: Nanking (Siberian Filbert).  
collected: April 03, 1970.  
Perennial.  
Breeding Material.  
Plant.

PI 557312 to 557314. Corylus heterophylla Fischer ex Trautv. BETULACEAE Filbert (Hazel)

Donated by: Wei, Liang, Jian Economic Forest Research Inst., Liaoning, China. Received March 25, 1988.
PI 557312 to 557319-continued


PI 557315. Corylus heterophylla Fischer ex Trautv. BETULACEAE Filbert (Hazel)

Donated by: Lee, Dr. P., Horticultural Experiment Sta., Suweon, Korea, Republic of. Received February 15, 1989.


PI 557316 to 557319. Corylus heterophylla Fischer ex Trautv. BETULACEAE Filbert (Hazel)

Donated by: Lee, Dr. P., Horticultural Experiment Sta., Suweon, Korea, Republic of. Received May 01, 1989.


PI 557320. Corylus heterophylla Fischer ex Trautv. BETULACEAE Filbert (Hazel)

**Donated by:** Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 15, 1989.

- **origin:** China. **historical origin:** United States. **origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon. **cultivar:** Nanking. **pedigree:** Probably a seedling selection from a Chinese seedlot. Perennial. Breeding Material. Cutting.

PI 557321. Corylus heterophylla Fischer ex Trautv. BETULACEAE Filbert (Hazel)

**Donated by:** Gu, Yin, Nanjing Botanical Gardens, Nanjing, Jiangsu, China. Received January 29, 1990.

- **origin:** China. **pedigree:** Open pollinated from botanical collection. Perennial. Cultivated. Seed.

PI 557322 to 557325. Corylus heterophylla Fischer ex Trautv. BETULACEAE Filbert (Hazel)

**Donated by:** Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received February 23, 1990.

**PI 557322**
- **origin:** Korea, Republic of. **origin institute:** Seoul National University, Suweon Experiment Station, Suweon. **pedigree:** Selection. **remarks:** One of the 4 best of 40,000 selections of native C. heter. Perennial. Breeding Material. Cutting.

**PI 557323**
- **origin:** Korea, Republic of. **origin institute:** Seoul National University, Suweon Experiment Station, Suweon. **pedigree:** Selection. **remarks:** One of the 4 best of 40,000 selections of native C. heter. Perennial. Breeding Material. Cutting.

**PI 557324**
- **origin:** Korea, Republic of. **origin institute:** Seoul National University, Suweon Experiment Station, Suweon. **pedigree:** Selection. **remarks:** One of the 4 best of 40,000 selections of native C. heter. Perennial. Breeding Material. Cutting.

**PI 557325**
- **origin:** Korea, Republic of. **origin institute:** Seoul National University, Suweon Experiment Station, Suweon. **pedigree:** Selection. **remarks:** One of the 4 best of 40,000 selections of native C. heter. Perennial. Breeding Material. Cutting.
PI 557326. Corylus heterophylla var. sutchuenensis Franchet BETULACEAE Filbert (Hazel)

**Donated by:** Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 15, 1989.

**origin:** China. **local name:** Szechwan Filbert, Siberian Filbert. Perennial. Cultivated. Plant.

PI 557327. Corylus heterophylla var. sutchuenensis Franchet BETULACEAE Filbert (Hazel)

**Donated by:** Gu, Yin, Nanjing Botanical Gardens, Nanjing, Jiangsu, China. Received January 29, 1990.

**origin:** China. **pedigree:** Open pollinated from botanical collection. Perennial. Cultivated. Seed.

PI 557328. Corylus heterophylla var. thunbergii Blume BETULACEAE Filbert (Hazel)

**Donated by:** Cho, H.M., Horticultural Experiment Station, Suweon, Korea, Republic of. Received April 28, 1983.

**origin:** Korea, Republic of. **historical origin:** United States. **origin institute:** USDA/ARS/NGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon. **pedigree:** Seedling selection from Korean seedlot CCOR 531. Perennial. Breeding Material. Plant.

PI 557329. Corylus heterophylla var. yunnanensis Franchet BETULACEAE Filbert (Hazel)

**Donated by:** Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 12, 1981.

**origin:** China. **local name:** Yunnan Filbert, Siberian Filbert. Perennial. Cultivated. Plant.

PI 557330. Corylus heterophylla var. yunnanensis Franchet BETULACEAE Filbert (Hazel)

**Donated by:** Wei, Liang, Jian Economic Forest Research Inst., Liaoning, China. Received March 25, 1988.

**origin:** China. **pedigree:** Collected from the wild in China. **collected:** 1988. **latitude:** 30 deg. N. **longitude:** 110 deg. E. Perennial. Wild. Cutting.
PI 557331 to 557333. Corylus hybrid BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 12, 1981.


PI 557334 to 557336. Corylus hybrid BETULACEAE Filbert (Hazel)

Donated by: Thompson, Dr. M.M., Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received March 01, 1983.


PI 557337 to 557341. Corylus hybrid BETULACEAE Filbert (Hazel)

Donated by: Reisch, Bruce, Cornell University, NY State Ag. Exp. Sta., Dept. Hort. and Viticulture, Geneva, New York, United States. Received October 01, 1982.


PI 557342. Corylus hybrid BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 13, 1984.


PI 557343 to 557356. Corylus hybrid BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received February 28, 1984.


PI 557343 to 557356-continued

PI 557353  
**origin:** United States.  **origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 1-72.  **pedigree:** OP seedling selection of Filcorn (columna x avellana).  **collected:** February 28, 1984.  **Perennial.**  **Breeding Material.**  **Plant.**

PI 557354  
**origin:** United States.  **origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 1-73.  **pedigree:** OP seedling selection of Filcorn (columna x avellana).  **Perennial.**  **Breeding Material.**  **Plant.**

PI 557355  
**origin:** United States.  **origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 6-73.  **pedigree:** OP seedling selection of Filcorn (columna x avellana).  **Perennial.**  **Breeding Material.**  **Plant.**

PI 557356  
**origin:** United States.  **origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 7-73.  **pedigree:** Selection of C. columna x C. avellana.  **collected:** February 28, 1984.  **Perennial.**  **Breeding Material.**  **Plant.**

PI 557357 to 557378. Corylus hybrid BETULACEAE Filbert (Hazel)

**Donated by:** Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received March 22, 1984.

PI 557357  
**origin:** United States.  **historical origin:** Canada.  
**origin institute:** Gellatly Nursery, Westbank, British Columbia.  **cultivar:** Eastoka.  **pedigree:** C. columna x large-fruited C. avellana cultivar.  **Perennial.**  **Cultivar.**  **Plant.**

PI 557358  
**origin:** United States.  **origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 4-70.  **pedigree:** OP selection of Turkish Trazel J-4 (columna x avellana).  **Perennial.**  **Breeding Material.**  **Plant.**

PI 557359  
**origin:** United States.  **origin institute:** Private Breeder, Lansing, Michigan.  **cultivar:** Moturk-B.  **pedigree:** Morrisoka x C. columna.  **Perennial.**  **Breeding Material.**  **Plant.**

PI 557360  
**origin:** United States.  **origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR-8-73.  **pedigree:** Selection of C. columna x C. avellana.  **Perennial.**  **Breeding Material.**  **Plant.**


PI 557370  
**origin:** United States.  
**origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 5-71.  

PI 557371  
**origin:** United States.  
**origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 6-71.  

PI 557372  
**origin:** United States.  
**origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 7-71.  
**pedigree:** Selection of C. colurna x C. avellana.  
**remarks:** This accession is being considered for introduction as a named cultivar. Perennial. Breeding Material. Plant.

PI 557373  
**origin:** Canada.  
**origin institute:** Gellatly Nursery, Westbank, British Columbia.  
**cultivar:** Turktrazel Gellatly-5.  
**pedigree:** C. colurna x C. avellana selection.  

PI 557374  
**origin:** United States.  
**origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 13-71.  

PI 557375  
**origin:** United States.  
**origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 2-72.  

PI 557376  
**origin:** United States.  
**origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 1-68.  

PI 557377  
**origin:** United States.  
**origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 1-71.  

PI 557378  
**origin:** United States.  
**origin institute:** USDA/ARS, Oregon State University, Corvallis, Oregon 97331.  
**cultivar:** USOR 3-72.  
PI 557379 to 557386. Corylus hybrid *BETULACEAE* Filbert (Hazel)

**Donated by:** Reich, Dr. J., Cornell University, NY Agric. Exper. Sta., Geneva, New York, United States. Received February 19, 1986.

<table>
<thead>
<tr>
<th>PI</th>
<th>Origin</th>
<th>Origin Institute</th>
<th>Cultivar</th>
<th>Pedigree</th>
<th>Description</th>
</tr>
</thead>
</table>
PI 557387. Corylus hybrid BETULACEAE Filbert (Hazel)

**Donated by:** Gellatly, L.U., Gellatly Nurseries, Westbank, British Columbia, Canada. Received.

**origin:** United States. **historical origin:** Canada. **origin institute:** Gellatly Nurseries, Westbank, British Columbia. **cultivar:** Chinoka. **pedigree:** C. colurna x C. avellana. **remarks:** Potential non-suckering rootstock selection. Perennial. Cultivar. Plant.

PI 557388 to 557390. Corylus hybrid BETULACEAE Filbert (Hazel)

**Donated by:** Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received March 11, 1986.


PI 557389 **origin:** United States. **historical origin:** Canada. **origin institute:** Gellatly Nurseries, Westbank, British Columbia. **cultivar:** Erioka. **pedigree:** C. colurna x C. avellana. **remarks:** Potential non-suckering rootstock selection. Perennial. Cultivar. Plant.

PI 557390 **origin:** United States. **origin institute:** Department of Horticulture, Oregon State University, Corvallis, Oregon 97331. **cultivar:** Ruby. **pedigree:** Chinese Trazel G-4 x C. avellana fusco-rubra. **other id:** USDA 19-82. **remarks:** Non-suckering, upright habit, red foliage. Perennial. Cultivar. Plant.

PI 557391 to 557392. Corylus hybrid BETULACEAE Filbert (Hazel)

**Donated by:** Germain, Dr. Eric, INRA, Station Recherches d'Arboriculture, Pont-de-la-Maye, France. Received March 06, 1989.

PI 557391 **origin:** France. **historical origin:** United States. **origin institute:** USDA/ARS, BARC-West, Beltsville, Maryland. **cultivar:** Potomac. **pedigree:** Rush x Du Chilly. **other id:** USDA 2336. **remarks:** Vigorous, hardy, and productive, suitable for areas where European cultivars cannot be grown due to lack of hardiness. Perennial. Cultivar. Cutting.

PI 557393 to 557397. Corylus hybrid BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 15, 1989.


PI 557398. Corylus hybrid BETULACEAE Filbert (Hazel)

Donated by: Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received February 09, 1990.
PI 557398-continued


PI 557399. Corylus maxima Miller BETULACEAE Filbert (Hazel)

Donated by: Piskornik, Z., Agricultural University, Horticulture Department, Krakow, Poland. Received December 28, 1984.


PI 557400. Corylus maxima Miller BETULACEAE Filbert (Hazel)

Donated by: Ristevski, Dr. B., Inst. za Ovostarstvo, Prvomajska Br. 5, Skopje, Yugoslavia. Received February 08, 1988.


PI 557401. Corylus maxima Miller BETULACEAE Filbert (Hazel)

Donated by: Craddock, Dr. Hill, Inst. Frutticoltura Ind., Torino, Italy. Received March 09, 1989.


PI 557402 to 557403. Corylus sieboldiana Blume BETULACEAE Filbert (Hazel)

Donated by: Westwood, M.N., USDA/ARS/NCR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received April 28, 1983.


PI 557404 to 557405. Corylus sieboldiana Blume BETULACEAE Filbert (Hazel)

Donated by: Lee, Dr. P., Horticultural Experiment Sta., Suweon, Korea, Republic of. Received February 15, 1989.


PI 557406. Corylus sieboldiana Blume BETULACEAE Filbert (Hazel)

Donated by: Smith, D., Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received March 14, 1990.


PI 557407 to 557408. Corylus sieboldiana Blume BETULACEAE Filbert (Hazel)

Donated by: Germain, Dr. Eric, INRA, Station Recherches d'Arboriculture, Pont-de-la-Maye, France. Received February 01, 1991.


PI 557409. Corylus sieboldiana var. brevirostris C. Schneider BETULACEAE Filbert (Hazel)

Donated by: Lee, Dr. P., Horticultural Experiment Sta., Suweon, Korea, Republic of. Received February 15, 1989.

PI 557410 to 557411. Corylus sieboldiana var. brevirostris C. Schneider
BETULACEAE Filbert (Hazel)

Donated by: Lee, Dr. P., Horticultural Experiment Sta., Suweon, Korea, Republic of. Received May 01, 1989.


PI 557412. Corylus sieboldiana var. mandshurica (Maxim.) C. Schneider
BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 12, 1981.


PI 557413. Corylus sieboldiana var. mandshurica (Maxim.) C. Schneider
BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received March 03, 1983.


PI 557414. Corylus sieboldiana var. mandshurica (Maxim.) C. Schneider
BETULACEAE Filbert (Hazel)

Donated by: Wei, Liang, Jian Economic Forest Research Inst., Liaoning, China. Received March 25, 1988.

PI 557415. Corylus sieboldiana var. mandshurica (Maxim.) C. Schneider
BETULACEAE Filbert (Hazel)

**Donated by:** Lee, Dr. P., Horticultural Experiment Sta., Suweon, Korea, Republic of. Received February 15, 1989.

- **origin:** Korea, Republic of.
- **origin institute:** Horticultural Experiment Station, Suweon. Perennial. Breeding Material. Cutting.

PI 557416 to 557418. Corylus sp. BETULACEAE Filbert (Hazel)

**Donated by:** Craddock, Dr. Hill, Inst. Frutticoltura Ind., Torino, Italy. Received March 09, 1989.

- PI 557417 **origin:** Italy. **origin institute:** Inst. Frutticoltura Ind., Torino. **cultivar:** Ordhu 293. Perennial. Breeding Material. Cutting.
- PI 557418 **origin:** Italy. **cultivar:** Alcover 236. Perennial. Breeding Material. Cutting.

PI 557419 to 557420. Corylus sp. BETULACEAE Filbert (Hazel)

**Donated by:** Grem, Richard, Terryville, Connecticut, United States. Received January 19, 1990.

- PI 557419 **origin:** United States. **pedigree:** Collected from the wild in Connecticut. **collected:** January 01, 1990. **locality:** Railroad tracks near Tolles Station, Plymouth. **latitude:** 41 deg. 40 min. N. **longitude:** 73 deg. 02 min. W. Perennial. Wild. Seed.
- PI 557420 **origin:** United States. **pedigree:** Collected from the wild in Connecticut. **collected:** January 01, 1990. **locality:** Near dam of Cedar Lake, Wolcott. **latitude:** 41 deg. 35 min. N. **longitude:** 72 deg. 59 min. W. Perennial. Wild. Seed.

PI 557421. Corylus sp. BETULACEAE Filbert (Hazel)

**Donated by:** Burmistrov, L.A., N.I. Vavilov Institute, Leningrad, USSR. Received February 02, 1990.

- **origin:** USSR. Perennial. Seed.
PI 557422 to 557424. Corylus sp. BETULACEAE Filbert (Hazel)

**Donated by:** Germain, Dr. Eric, INRA, Station Recherches d'Arboriculture, Pont-de-la-Maye, France. Received February 01, 1991.

PI 557422  
**origin:** France. **historical origin:** UNCERTAIN. **cultivar:** Ata Baba. Perennial. Cultivar. Plant.

PI 557423  
**origin:** France. **historical origin:** UNCERTAIN. **cultivar:** Anglais. Perennial. Cultivar. Plant.

PI 557424  
**origin:** France. **historical origin:** UNCERTAIN. **cultivar:** Corabel. Perennial. Cultivar. Plant.

PI 557425 to 557428. Corylus sp. BETULACEAE Filbert (Hazel)

**Donated by:** Mehlenbacher, Shawn, Oregon State University, Department of Horticulture, Corvallis, Oregon, United States. Received May 01, 1991.

PI 557425  
**origin:** United States. **origin institute:** Oregon State University, Dept. of Horticulture, East Farm, Corvallis, Oregon 97333. **cultivar:** OSU 54-1/D. Perennial. Breeding Material. Plant.

PI 557426  
**origin:** United States. **origin institute:** Oregon State University, Dept. of Horticulture, East Farm, Corvallis, Oregon 97333. **cultivar:** OSU 193.055. Perennial. Breeding Material. Plant.

PI 557427  
**origin:** United States. **origin institute:** Oregon State University, Dept. of Horticulture, East Farm, Corvallis, Oregon 97333. **cultivar:** Henneman #3. Perennial. Breeding Material. Plant.

PI 557428  
**origin:** United States. **origin institute:** Oregon State University, Dept. of Horticulture, East Farm, Corvallis, Oregon 97333. **cultivar:** OSU 054-042. Perennial. Breeding Material. Plant.

PI 557429. Corylus x colurnoides C. Schneider BETULACEAE Filbert (Hazel)

**Donated by:** Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received January 12, 1981.

**origin:** UNKNOWN. **pedigree:** C. avellana x C. colurna natural hybrid. **local name:** Colurnoid Filbert. **locality:** Asia. Perennial. Cultivated. Plant.
PI 557430. Corylus x vilmorinii Rehder BETULACEAE Filbert (Hazel)

Donated by: Lagerstedt, Dr. Harry, USDA/ARS/NCGR-Corvallis, 33447
Peoria Road, Corvallis, Oregon, United States. Received January 12, 1981.

origin: UNCERTAIN. pedigree: C. avellana x C. chinensis natural hybrid. local name: Vilmorin Filbert.

PI 557431 to 557432. Agropyron cristatum (L.) Gaertn. POACEAE Fairway crested wheatgrass

Donated by: Knowles, R.P., 107 Science Crescent, Saskatoon, Saskatchewan, Canada. Received January 21, 1991.

PI 557431 origin: Canada. cultivar: S-9063. other id: W6 6549. group: W6. remarks: Marker for spike color, bright-green shortly after heading which intensifies to maximum at flowering stage, and which disappears after flowering is completed. Bright-green spike color is dominant when crossed with gray-green strains such as S-9064. Perennial. Genetic Material. Seed.

PI 557432 origin: Canada. cultivar: S-9064. other id: W6 6550. group: W6. remarks: Marker for spike color, grey-green shortly after heading, and intensifies to a maximum at the flowering stage; coloring disappears after flowering is completed. Gray-green spike color is recessive to the bright-green spike color such as found in S-9063. Perennial. Genetic Material. Seed.

PI 557433. Astragalus sp. FABACEAE

Donated by: Kaiser, W.J., Western Regional PI Station, Washington State University, Rm. 59, Johnson Hall, Pullman, Washington, United States. Received June 26, 1991.

PI 557434 to 557436. Astragalus sp. FABACEAE

**Donated by:** Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington, United States. Received June 01, 1989.

**PI 557434**
- **donor id:** WJK 11.
- **origin:** Syria.
- **collected:** May 1989.
- **locality:** Among rocks on hill, 30 km northeast of Aleppo, near village of Fefeen.
- **latitude:** 36 deg. 02 min. N.
- **longitude:** 37 deg. 05E min.
- **elevation:** 400m.
- **remarks:** Pods large, sickle-shaped. Wild. Seed.

**PI 557435**
- **donor id:** WJK 12.
- **origin:** Syria.
- **collected:** May 1989.
- **locality:** Among rocks on hill, 30 km northeast of Aleppo, near village of Fefeen.
- **latitude:** 36 deg. 02 min. N.
- **longitude:** 37 deg. 05 min. E.
- **elevation:** 400m.
- **remarks:** Pods small, sickle-shaped, borne in a cluster on a pedicel. Wild. Seed.

**PI 557436**
- **donor id:** WJK 23.
- **origin:** Syria.
- **collected:** May 1989.
- **locality:** Wheat field near a large cement factory, 10 km northeast of Aleppo.
- **latitude:** 36 deg. 17 min. N.
- **longitude:** 37 deg. 02 min. E.
- **elevation:** 400m.
- **remarks:** Pods large, sickle-shaped. Wild. Seed.

PI 5574347 to 557441. Bromus inermis Leyss. POACEAE Smooth bromegrass

**Donated by:** Knowles, R.P., 107 Science Crescent, Saskatoon, Saskatchewan, Canada. Received January 21, 1991.

**PI 557437**
- **origin:** Canada.
- **cultivar:** S-7133.
- **other id:** W6 6551.
- **group:** W6.
- **remarks:** Seedling pubescence used as a genetic marker. Pubescent leaf sheath type is dominant over glabrous leaf sheath type. Perennial. Genetic Material. Seed.

**PI 557438**
- **origin:** Canada.
- **cultivar:** S-8753.
- **other id:** W6 6553.
- **group:** W6.
- **remarks:** Seedling pubescence used as a genetic marker. Pubescent leaf sheath type is dominant over glabrous leaf sheath type. Perennial. Genetic Material. Seed.

**PI 557439**
- **origin:** Canada.
- **cultivar:** S-9179.
- **other id:** W6 6555.
- **group:** W6.
- **remarks:** Seedling pubescence used as a genetic marker. Glabrous leaf sheath type is recessive to pubescent leaf sheath type. Perennial. Genetic Material. Seed.
PI 557440  
**origin:** Canada.  
**cultivar:** S-9180A.  
**other id:** W6 6556.  
**group:** W6.  
**remarks:** Seedling pubescence used as a genetic marker. Pubescent leaf sheath type is dominant over glabrous leaf sheath type. Perennial. Genetic Material. Seed.

PI 557441  
**origin:** Canada.  
**cultivar:** S-9273.  
**other id:** W6 6557.  
**group:** W6.  
**remarks:** Seedling pubescence used as a genetic marker. Glabrous leaf sheath type is recessive when crossed with pubescent leaf sheath type. The resulting yellow-leaved strain segregates to about two thirds yellow and one third green. Perennial. Genetic Material. Seed.

PI 557442 to 557452. *Cicer arietinum* L.  
**FABACEAE** Chickpea  

**Donated by:** Joshi, N.C., ICRISAT, Patancheru, Andhra Pradesh, India.  
**Received March 08, 1990.**

PI 557442  
**donor id:** CO-1.  
**origin:** India.  
**other id:** W6 3516.  
**group:** W6. Annual. Cultivar. Seed.

PI 557443  
**donor id:** HI112 88R E# 5.  
**origin:** India.  
**pedigree:** ICCX-830677-10HBH-BH.  
**other id:** W6 3520.  
**group:** W6. Annual. Cultivar. Seed.

PI 557444  
**donor id:** HI116 88R E# 18.  
**origin:** India.  
**pedigree:** ICCX-810737-BPN-BPN-3PN-BH.  
**other id:** W6 3521.  
**group:** W6. Annual. Cultivar. Seed.

PI 557445  
**donor id:** HI116 88R E# 2.  
**origin:** India.  
**pedigree:** ICCX-820831-13H-1H-BH.  
**other id:** W6 3522.  
**group:** W6. Annual. Cultivar. Seed.

PI 557446  
**donor id:** HI226 88R E# 3.  
**origin:** India.  
**pedigree:** ICCX-820835-2H-BH-BH.  
**other id:** W6 3523.  
**group:** W6. Annual. Cultivar. Seed.

PI 557447  
**donor id:** ICCL 86446.  
**origin:** India.  
**other id:** W6 3525.  
**group:** W6.  
**other id:** ICCTD 88R E# 11.  
**group:** ICRISAT. Annual. Cultivar. Seed.

PI 557448  
**donor id:** ICCL 86447.  
**origin:** India.  
**other id:** W6 3526.  
**group:** W6.  
**other id:** ICCTDL88R E# 12.  
**group:** ICRISAT. Annual. Cultivar. Seed.

PI 557449  
**donor id:** ICCV 1.  
**origin:** India.  
**other id:** W6 3527.  
**group:** W6. Annual. Cultivar. Seed.

PI 557450  
**donor id:** ICCV 2.  
**origin:** India.  
**other id:** W6 3528.  
**group:** W6. Annual. Cultivar. Seed.
PI 557442 to 557452-continued


PI 557453. Cicer canariense A. Santos Guerra & G. P. Lewis FABACEAE

Donated by: Santos-Guerra, A., Centro de Investigacion y, Tecnologia Agrarias, Apartado 60 La Laguna, Tenerife, Canary Islands, Spain. Received June 20, 1991.


PI 557454. Elymus rectisetus (Nees) A. Love & Connor POACEAE Elymus

Donated by: Carman, J.G., Dept. of Plant, Soils and Biometeorology, Utah State University, Logan, Utah, United States. Received January 16, 1990.


PI 557455. Elymus sibiricus L. POACEAE Wildrye

Donated by: Elias, T.S., Rancho Santa Ana Botanic Garden, Claremont, California, United States. remarks: Received through the US-USSR Botanical Exchange Program under the Bilateral Agreement on Environmental Protection. Received November 12, 1988.

PI 557456 to 557457. Eragrostis tef (Zucc.) Trotter POACEAE Teff

Donated by: Kebede, H., Department of Agronomy, Oklahoma State University, Stillwater, Oklahoma, United States. Received January 05, 1991.


PI 557458. Hippocrepis sp. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington, United States. Received June 01, 1989.


PI 557459. Onobrychis sp. FABACEAE


PI 557460. Onobrychis sp. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington, United States. Received June 01, 1989.
PI 557460-continued

locality: Among rocks on a hill about 30km northeast of  
Aleppo, near the village of Fefeen.  latitude: 36 deg. 02  
min. N.  longitude: 37 deg. 05 min. E.  elevation: 400m.  

PI 557461.  Phalaris arundinacea L.  POACEAE  Reed canarygrass

Donated by:  Knowles, R.P., 107 Science Crescent, Saskatoon,  
Saskatchewan, Canada.  Received January 21, 1991.

origin: Canada.  cultivar: S-8986.  other id: W6 6559.  
group: W6.  remarks: Developed from S-8799.  Selected from  
3 yellow seeded plants in 3 generations; 4 generations of  
subsequent selections were required to get a stable  
pure-breeding, yellow seeded stock.  Preliminary results  
indicate the yellow seed color is controlled by duplicate  
recessive genes.  The strain has been used as a marker in  
pollination studies and production of F1 hybrids.  Forage  
and seed yields are approximately 85 and.  Perennial.  
Genetic Material.  Seed.

PI 557462 to 557463.  Phaseolus vulgaris L.  FABACEAE  Garden bean

Donated by:  Kaiser, W.J., USDA-ARS, Western Regional Plant  
Introduction Sta., Washington State University, Pullman, Washington,  
United States.  Received August 18, 1989.

PI 557462  donor id: 230589-07.  origin: Turkey.  collected: May 23,  
1989.  other id: W6 716.  group: W6.  locality: Purchased  
in market at Izmir, Izmir Province.  Annual.  Cultivated.  
Seed.

PI 557463  donor id: 260589-08.  origin: Turkey.  collected: May 23,  
in market at Izmir, Izmir Province.  remarks: Seed large  

PI 557464 to 557481.  Phaseolus vulgaris L.  FABACEAE  Bean

Donated by:  France, A., Instituto de Investigaciones, Agropecuarias  
Estacion Exp., Quilamapu, Chile.  Received March 21, 1988.

PI 557464  origin: Chile.  cultivar: TORTOLA.  other id: W6 2989.  
group: W6.  remarks: Resistant to BCMV, strains T, NY15,  
and NL2.  Cultivar.  Seed.
PI 557464 to 557481-continued

PI 557465  
**origin:** Chile. **cultivar:** COSCORRON. **other id:** W6 2990.  
**group:** W6. **remarks:** Susceptible to NL3. Principal use is for semi dry consume. Cultivar. Seed.

PI 557466  
**origin:** Chile. **cultivar:** SUAVES 85. **other id:** W6 2991.  
**group:** W6. **remarks:** Similar to Tortola INIA. Cultivar. Seed.

PI 557467  
**origin:** Chile. **cultivar:** ARAUCANO 85. **other id:** W6 2992.  
**group:** W6. **remarks:** Cranberry type. Resistant as Tortola INIA. Cultivar. Seed.

PI 557468  
**origin:** Chile. **cultivar:** CUYANO. **other id:** W6 2993.  
**group:** W6. **remarks:** Resistant to all races of BCMV. Cultivar. Seed.

PI 557469  
**origin:** Chile. **cultivar:** ORFEO. **other id:** W6 2994.  
**group:** W6. **remarks:** Black type. Resistant as Tortola INIA. Cultivar. Seed.

PI 557470  
**origin:** Chile. **cultivar:** BLANCO. **other id:** W6 2995.  
**group:** W6. **remarks:** Great Northern type. Resistant as Tortola INIA. Cultivar. Seed.

PI 557471  
**origin:** Chile. **cultivar:** BLANCO 85. **other id:** W6 2996.  
**group:** W6. **remarks:** Big white type. Susceptible to NL3. Cultivar. Seed.

PI 557472  
**origin:** Chile. **cultivar:** BLANCO ESPANOL. **other id:** W6 2997.  
**group:** W6. **remarks:** White type. Susceptible to NL3. Cultivar. Seed.

PI 557473  
**origin:** Chile. **cultivar:** NEGRO ARGEL. **other id:** W6 2998.  

PI 557474  
**origin:** Chile. **cultivar:** FIDEO O CLAVO. **other id:** W6 2999.  
**group:** W6. **remarks:** Black large type. For green pod use. Susceptible to BCMV. Cultivar. Seed.

PI 557475  
**origin:** Chile. **cultivar:** TREILE. **local name:** Native Bird. **other id:** W6 3000.  
**group:** W6. **remarks:** White color with hilum surrounded by brown halo. Susceptible to BCMV. Cultivar. Seed.

PI 557476  
**origin:** Chile. **cultivar:** METRO. **other id:** W6 3001.  
**group:** W6. **remarks:** Seed type brown, large. For green pod use. Susceptible to BCMV. Cultivar. Seed.

PI 557477  
**origin:** Chile. **cultivar:** ORO OR BIO BIO. **other id:** W6 3002.  
**group:** W6. **remarks:** Cranberry type. Susceptible to BCMV. Cultivar. Seed.
PI 557464 to 557481-continued

PI 557478  origin: Chile.  cultivar: SAPITOS.  other id: W6 3003.  

PI 557479  origin: Chile.  cultivar: PAYAR.  other id: W6 3004.  

PI 557480  origin: Chile.  cultivar: SENORITA.  other id: W6 3005.  

PI 557481  origin: Chile.  cultivar: MANTEQUILLA.  other id: W6 3006.  
group: W6.  remarks: Large black type. Susceptible to BCMV. Cultivar. Seed.

PI 557482 to 557483. Phaseolus vulgaris L.  FABACEAE  Garden bean


PI 557482  donor id: DE-2.  origin: Ecuador. collected: January 31, 

PI 557483  donor id: DE-3.  origin: Ecuador. collected: January 31, 

PI 557484 to 557486. Phaseolus vulgaris L.  FABACEAE  Garden bean

Donated by: IBPGR, AGPG FAO, Via della terme di Caracalla, Rome, Italy. Received March 14, 1990.

PI 557484  origin: Nepal.  other id: 1-86b.  other id: W6 3678. 


PI 557486  origin: Nepal.  other id: 8006b.  other id: W6 3680. 
PI 557487. Phaseolus vulgaris L. FABACEAE Black bean

**Donated by:** Wallace, D.H., Dept. of Plant Breeding and Biometry, Cornell University, Ithaca, New York, United States. Received April 05, 1990.

- **Origin:** United States
- **Origin Institute:** Cornell University, Dept. of Plant Breeding, Ithaca, New York 14853
- **Cultivar:** B-21
- **Other ID:** W6 3810
- **Group:** W6

PI 557488. Phaseolus vulgaris L. FABACEAE Green bean

**Donated by:** Willmot, D.B., Rogers Brothers Seed Company, Research Center, 6338 Highway 20-26, Nampa, Idaho, United States. Received August 16, 1990.

- **Donor ID:** PV1349
- **Origin:** USSR
- **Other ID:** W6 4870
- **Group:** W6

PI 557489. Trigonella foenum-graecum L. FABACEAE Fenugreek

**Donated by:** Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington, United States. Received August 18, 1989.

- **Donor ID:** 230588-05
- **Origin:** Turkey
- **Collected:** May 23, 1989
- **Other ID:** W6 714
- **Group:** W6
- **Locality:** Purchased in market at Izmir, Izmir Province
- **Annual. Cultivated. Seed.

PI 557490 to 557497. Vicia faba L. FABACEAE Broadbean

**Donated by:** Baggett, J.R., Department of Horticulture, Cordley Hall 2042, Oregon State University, Corvallis, Oregon, United States. Received April 10, 1990.

- **PI 557490 Origin:** United States
- **Other ID:** 5-3, W6 4064
- **Group:** W6
- **Remarks:** Selection from PI accessions for resistance to pea enation mosaic virus (PEMV), and bean yellow mosaic virus (BYMV). Not immune but shows much reduced disease severity. Annual. Breeding Material. Seed.
PI 557490 to 557497-continued

PI 557491  

PI 557492  

PI 557493  

PI 557494  

PI 557495  

PI 557496  

PI 557497  
PI 557498. Vicia sativa L. FABACEAE

Donated by: Kaiser, W.J., Western Regional PI Station, Washington State University, Rm. 59, Johnson Hall, Pullman, Washington, United States. Received June 26, 1991.


PI 557499. Lens culinaris Medikus FABACEAE Lentil


PI 557500 to 557502. Pisum sativum L. FABACEAE Pea

PI 557500

**origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Washington State University, IAREC, RR 2, Box 2953A, Prosser, Washington 99350-9687. **cultivar:** 90-2079. **pedigree:** [(69-1004 / Recette) / 79-2022]. **other id:** GP-83. **group:** CSR-PEA. **remarks:** Avg. hgt. 0.6m, semi-leafless, blooms in 16th node, produces 2 pointed pods/node, & dimpled green seeds. Resistant to Fusarium & Aphanomyces root rot (F. solani & A. euteiches), & to races 1 & 2 of F. oxysporum. Outyielded susceptible, commercial cultivars, including Dark Skin Perfection, in field plots severely infested with A. euteiches in Minn., Wis., & New Zealand. Using 0-5 disease rating scale. Spring Annual. Breeding Material. Seed.

PI 557501


PI 557502

**origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Washington State University, IAREC, RR 2, Box 2953-A, Prosser, Washington 99350-9687. **cultivar:** 90-2322. **pedigree:** [(Wisconsin 7103 / PI 189171) / Coquette]. **other id:** GP-85. **group:** CSR-PEA. **remarks:** Avg. hgt. 0.6m, blooms in 14th node. Produces 2 pointed pods/node. Dimpled seed, hyaline testa, & green cotyledons. Resistant to Fusarium & Aphanomyces root rot, Fusarium wilt, race 1, and powdery mildew. Outyielded susceptible, commercial cultivars, including Dark Skin Perfection, in field plots severely infested with A. euteiches in Minn., Wis., & New Zealand. Using 0-5 disease rating scale, (0=). Spring Annual. Breeding Material. Seed.

PI 557503 to 557533. Melilotus albus Medikus FABACEAE Sweetclover

**Donated by:** Gorz, H.J., USDA-ARS, Dept. of Agronomy, University of Nebraska, Lincoln, Nebraska, United States. Received November 07, 1991.
PI 557503

**donor id:** N46. **origin:** United States. **pedigree:**
Self-pollination of four different homozygous plants derived from a single, doubly-heterozygous F2 plant following 6 successive crosses of cucubb segregates to CuCuBB plants selected from PI 165554. **remarks:** N46 (cucubb genotype) small, annual autogamous form of white-flowered sweetclover that is low in coumarin content and low in B-glucosidase activity. Cucu alleles govern coumarin content. B/b alleles govern B-glucosidase activity in sweetclover. Seed should be scarified before planting. One of a set of 4 lines differing in coumarin content and B-glucosidase activity that represent all possible. Spring Annual. Genetic Material. Seed.

PI 557504

**donor id:** N47. **origin:** United States. **pedigree:**
Self-pollination of four different homozygous plants derived from a single, doubly-heterozygous F2 plant following 6 successive crosses of cucubb segregates to CuCuBB plants selected from PI 165554. **remarks:** N47 (cucuBB genotype) small, annual autogamous form of white-flowered sweetclover that is low in coumarin and high in B-glucosidase activity. Cu/cu alleles govern coumarin content and the B/b alleles govern B-glucosidase activity in sweetclover. Seed should be scarified before planting. One of a set of 4 lines differing in coumarin content and B-glucosidase activity that represent all possible. Spring Annual. Genetic Material. Seed.

PI 557505

**donor id:** N48. **origin:** United States. **pedigree:**
Self-pollination of four different homozygous plants derived from a single, doubly-heterozygous F2 plant following 6 successive crosses of cucubb segregates to CuCuBB plants selected from PI 165554. **remarks:** N48 (CuCubb genotype) small, annual autogamous form of white-flowered sweetclover that is high in coumarin and low in B-glucosidase activity. Cu/cu alleles govern coumarin content and the B/b alleles govern B-glucosidase activity in sweetclover. Seed should be scarified before planting. One of a set of 4 lines differing in coumarin content and B-glucosidase activity that represent all possible. Spring Annual. Genetic Material. Seed.
**PI 557506**

**donor id:** N49. **origin:** United States. **pedigree:**
Self-pollination of four different homozygous plants derived from a single, doubly-heterozygous F2 plant following 6 successive crosses of cucubb segregates to CuCuBB plants selected from PI 165554. **remarks:** N49 (CuCuBB genotype) small, annual autogamous form of white-flowered sweetclover that is high in coumarin and high in B-glucosidase activity. Cu/cu alleles govern coumarin content and the B/b alleles govern B-glucosidase activity in sweetclover. Seed should be scarified before planting. One of a set of 4 lines differing in coumarin content and B-glucosidase activity that represent all possible. Spring Annual. Genetic Material. Seed.

**PI 557507**

**donor id:** N50. **origin:** United States. **pedigree:** F6 generation from single F1 plant obtained from cross of N1 strain, having dark green seeds (yyCC genotype) X a line designated JF-1, having light yellow seed (YYcc genotype). **remarks:** N50 (YYCC genotype) medium yellow seed & red seedling stem. Seed color in sweetclover is determined by combined effects of the presence or absence of green pigmentation in embryo & seed coat, controlled by Y/y alleles & of brown pigmentation in seed coat, conditioned by C/c alleles. The C/c alleles also control red vs. green seedling stem color. Seed should be scarified before planting. One of a set of 4. Biennial. Genetic Material. Seed.

**PI 557508**

**donor id:** N51. **origin:** United States. **pedigree:** F6 generation from single F1 plant obtained from cross of N1 strain, having dark green seeds (yyCC genotype) X a line designated JF-1, having light yellow seed (YYcc genotype). **remarks:** N51 (YYcc genotype) light yellow seed & green seedling stem. Seed color in sweetclover is determined by combined effects of the presence or absence of green pigmentation in embryo & seed coat, controlled by Y/y alleles & of brown pigmentation in seed coat, conditioned by C/c alleles. The C/c alleles also control red vs. green seedling stem color. Seed should be scarified before planting. One of a set of 4. Biennial. Genetic Material. Seed.
PI 557509  donor id: N52.  origin: United States.  pedigree: F6 generation from single F1 plant obtained from cross of N1 strain, having dark green seeds (yyCC genotype) X a line designated JF-1, having light yellow seed (YYcc genotype).  remarks: N52 (yyCC genotype) dark green seed & red seedling stem.  Seed color in sweetclover is determined by combined effects of the presence or absence of green pigmentation in embryo & seed coat, controlled by Y/y alleles & of brown pigmentation in seed coat, conditioned by C/c alleles.  The C/c alleles also control red vs. green seedling stem color.  Seed should be scarified before planting.  One of a set of 4.  Biennial.  Genetic Material.  Seed.

PI 557510  donor id: N53.  origin: United States.  pedigree: F6 generation from single F1 plant obtained from cross of N1 strain, having dark green seeds (yyCC genotype) X a line designated JF-1, having light yellow seed (YYcc genotype).  remarks: N53 (yycc genotype) silver green seed & green seedling stem.  Seed color in sweetclover is determined by combined effects of the presence or absence of green pigmentation in embryo & seed coat, controlled by Y/y alleles & of brown pigmentation in seed coat, conditioned by C/c alleles.  The C/c alleles also control red vs. green seedling stem color.  Seed should be scarified before planting.  One of a set of 4.  Biennial.  Genetic Material.  Seed.

PI 557511  donor id: N741.  origin: United States.  pedigree: F21 generation from an initial cucuBB X CuCubb cross followed by self-pollination of a single-doubly heterozygous plant in each generation from F1 to F17.  The genotype was isolated in F18.  remarks: N741 (cucubb genotype) biennial form of white-flowered sweetclover low in coumarin content and low in B-glucosidase activity.  The Cu/cu alleles govern coumarin content and the B/b alleles govern B-glucosidase activity.  Seed should be scarified before planting.  One of a set of 4 lines differing in coumarin content and B-glucosidase activity that represent all possible homozygous combinations of 2.  Biennial.  Genetic Material.  Seed.
PI 557503 to 557533-continued

PI 557512 donor id: N743. origin: United States. pedigree: F21 generation from an initial cucuBB X CuCubb cross followed by self-pollination of a single-doubly heterozygous plant in each generation from F1 to F17. The genotype was isolated in F18. remarks: N743 (cucuBB genotype) biennial form of white-flowered sweetclover low in coumarin content and high in B-glucosidase activity. The Cu/cu alleles govern coumarin content and the B/b alleles govern B-glucosidase activity. Seed should be scarified before planting. One of a set of 4 lines differing in coumarin content and B-glucosidase activity that represent all possible homozygous. Biennial. Genetic Material. Seed.

PI 557513 donor id: N745. origin: United States. pedigree: F21 generation from an initial cucuBB X CuCubb cross followed by self-pollination of a single-doubly heterozygous plant in each generation from F1 to F17. The genotype was isolated in F18. remarks: N745 (CuCubb genotype) biennial form of white-flowered sweetclover high in coumarin content and low in B-glucosidase activity. The Cu/cu alleles govern coumarin content and the B/b alleles govern B-glucosidase activity. Seed should be scarified before planting. One of a set of 4 lines differing in coumarin content and B-glucosidase activity that represent all possible homozygous. Biennial. Genetic Material. Seed.

PI 557514 donor id: N747. origin: United States. pedigree: F21 generation from an initial cucuBB X CuCubb cross followed by self-pollination of a single-doubly heterozygous plant in each generation from F1 to F17. The genotype was isolated in F18. remarks: N747 (CuCuBB genotype) biennial form of white-flowered sweetclover high in coumarin content and high in B-glucosidase activity. The Cu/cu alleles govern coumarin content and the B/b alleles govern B-glucosidase activity. Seed should be scarified before planting. One of a set of 4 lines differing in coumarin content and B-glucosidase activity that represent all possible homozygous. Biennial. Genetic Material. Seed.

PI 557515 donor id: U362. origin: United States. pedigree: The f mutation carried by line U362 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. remarks: Plants homozygous for the f (folded leaflet) gene, which is inherited as a simple recessive. Typical leaflets folded on the adaxial side from the tip to about half the length of the leaflet. Seed should be scarified before planting. Annual. Genetic Material. Seed.
PI 557516  donor id: U363.  origin: United States.  pedigree: The el mutation carried by line U363 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554.  remarks: Plants homozygous for the el (elongated stem) gene, which is inherited as a simple recessive. Plants have longer than normal internodes, especially at the seedling stage, and branching and leaf production are markedly reduced. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557517  donor id: U367.  origin: United States.  pedigree: The dsp mutation carried by line U367 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554.  remarks: Plants homozygous for the dsp (short-petiole dwarf) gene, which is inherited as a simple recessive. Plants are much shorter than normal. Leaves are attached to stem by very short petioles. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557518  donor id: U369.  origin: United States.  pedigree: The ch8 mutation carried by line U369 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554.  remarks: Plants homozygous for the ch8 chlorophyll deficiency gene, which is inherited as a simple recessive. Leaves have reduced chlorophyll contents, but their chlorophyll a/b ratio is about that of normal leaves. Work on U369 has been reported in Biochem. Gen. 28:31. 1990. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557519  donor id: U370.  origin: United States.  pedigree: The ch9 mutation carried by line U370 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554.  remarks: Plants homozygous for the ch9 chlorophyll deficiency gene, which is inherited as a simple recessive. Leaves have reduced chlorophyll contents and elevated chlorophyll a/b ratios. Seed should be scarified before planting. Annual. Genetic Material. Seed.
PI 557520  donor id: U371.  origin: United States.  pedigree: The chl0 mutation carried by line U371 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554.  remarks: Plants homozygous for the chl0 chlorophyll deficiency gene, which is inherited as a simple recessive. Leaves have reduced chlorophyll contents and elevated chlorophyll a/b ratios. Work on U371 has been reported in Biochem. Gen. 28:31. 1990. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557521  donor id: U372.  origin: United States.  pedigree: The chl1 mutation carried by line U372 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554.  remarks: Plants homozygous for the chl1 chlorophyll deficiency gene, which is inherited as a simple recessive. Leaves have reduced chlorophyll contents and elevated chlorophyll a/b ratios. Work on U372 has been reported in Biochem. Gen. 28:31. 1990. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557522  donor id: U373.  origin: United States.  pedigree: The chl2 mutation carried by line U373 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554.  remarks: Plants homozygous for the chl2 chlorophyll deficiency gene, which is inherited as a simple recessive. Leaves have reduced chlorophyll contents and somewhat reduced chlorophyll a/b ratios. Work on U373 has been reported in Biochem. Gen. 38:31. 1990. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557523  donor id: U374.  origin: United States.  pedigree: The chl5 mutation carried by line U374 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554.  remarks: Plants homozygous for the chl5 chlorophyll deficiency gene, which is inherited as a simple recessive. Leaves have reduced levels of total chlorophyll and appear to have no chlorophyll b. Work on U374 has been reported in Biochem. Gen. 28:31. 1990. Seed should be scarified before planting. Annual. Genetic Material. Seed.
donor id: U389. origin: United States. pedigree: Single plant of PI 165554, from India, was self-pollinated and resulting seed planted to produce 95 plants. The selfed seed from these plants was bulked to form the basis of line U389. remarks: Plants small, annual, white-flowered, and autogamous. Chamber-grown plants attain height of 35-50cm and produce ripe seed within about 8 weeks after planting. Numerous mutants isolated following treatment of U389 seed with ethyl methanesulfonate. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557525
donor id: U390. origin: United States. pedigree: The dw mutation carried by line U390 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. remarks: Plants homozygous for dw (short-internode dwarf) gene, which is inherited as a simple recessive. Plants have about same number of nodes as their normal counterpart (line U389), but do not branch. Attain height of only 5-10cm compared to 35-50cm for U389 plants. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557526
donor id: U391. origin: United States. pedigree: The mf mutation carried by line U391 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. remarks: Plants homozygous for Mf (multifoliate leaf) gene, which is inherited as dominant. Leaves on single plant may have one to six leaflets rather than the normal three. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557527
donor id: U392. origin: United States. pedigree: The cl mutation carried by line U392 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. remarks: Plants homozygous for cl (curled leaf) gene, which is inherited as simple recessive. Plants characterized by curled leaflets and twisted or curved stems, petioles, and flower parts. Seed should be scarified before planting. Annual. Genetic Material. Seed.
PI 557528 donor id: U393. origin: United States. pedigree: The cb mutation carried by line U393 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. remarks: Plants homozygous for cb (cotyledonary branching) gene, which is inherited as simple recessive. A single branch develops in axil of each cotyledon, followed by development of branches from higher leaf axils. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557529 donor id: U394. origin: United States. pedigree: The ch4 mutation carried by line U394 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. other id: Q839. remarks: Plants homozygous for ch4 chlorophyll deficiency gene, which is inherited as simple recessive. Leaves have reduced chlorophyll contents and strongly elevated chlorophyll a/b ratios. Work on U394 has been reported in Biochem. Gen. 28:31. 1990. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557530 donor id: U396. origin: United States. pedigree: The ch6 mutation carried by line U396 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. other id: Q844. remarks: Plants homozygous for ch6 chlorophyll deficiency gene, which is inherited as simple recessive. Leaves have reduced chlorophyll contents and slightly elevated chlorophyll a/b ratios. Work on U396 has been reported in Biochem. Gen. 28:31. 1990. Seed should be scarified before planting. Annual. Genetic Material. Seed.

PI 557531 donor id: U397. origin: United States. pedigree: The ch7 mutation carried by line U397 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. other id: Q856. remarks: Plants homozygous for ch7 chlorophyll deficiency gene, which is inherited as simple recessive. Leaves have reduced chlorophyll contents with little or no alteration in the chlorophyll a/b ratio. Work on U397 has been reported in Biochem. Gen. 38:31. 1990. Seed should be scarified before planting. Annual. Genetic Material. Seed.
PI 557532  donor id: U398. origin: United States. pedigree: The ch5 chv mutations carried by line U398 were isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. other id: Q858. remarks: Plants homozygous for ch5 chlorophyll deficiency gene and chv dark leaf venation gene; ch5 and chv are both simple recessives. Leaves have reduced levels of total chlorophyll, no chlorophyll b, and dark veins. Work on U398 has been reported in Biochem. Gen. 28:31. 1990. Seed should be scarified before planting.

PI 557533  donor id: U500. origin: United States. pedigree: U500 (ch5ch5dwdw genotype) was developed by crossing U395 (ch5ch5DwDw) / U390 (Ch5Ch5dwdw), identifying the ch5ch5dwdw genotype in the F2 generation, and self-pollinating this genotype. remarks: Plants homozygous for ch5 chlorophyll deficiency gene and dw short-internode dwarf gene. Both mutations were isolated following treatment of U389 sweetclover seed with ethyl methanesulfonate. Seed should be scarified before planting.

PI 557534. Gossypium hirsutum L. MALVACEAE Cotton


origin: United States. origin institute: New Mexico Agr. Exp. Sta., New Mexico State Univ., Las Cruces, New Mexico 88003-0003. cultivar: ACALA 1517-91. pedigree: Acala 8130 / Acala 8874. other id: CV-99. group: CSR-COTTON. remarks: Plant height averages 94cm. Plant maturity 78% as measured by % of total crop harvested at first picking. Tolerance to Verticillium wilt at Las Cruces, NM, was 1.8 (1 = most tolerant, 5 = most susceptible). Bolls ovate and average 2.51g of lint per boll. Seed medium. Cultivar. Seed.

PI 557535 to 557536. Glycine max (L.) Merr. FABACEAE Soybean

PI 557535 to 557536-continued

PI 557535  
origin: United States.  
cultivar: L84-5873.  
pedigree: Williams 82 X [PI 86150 X (Williams X Union)], F5.  
other id: GP-135.  
group: CSR-SOYBEAN.  

PI 557536  
origin: United States.  
cultivar: L84-5932.  
pedigree: Williams 82 X [Williams X PI 90138], F5.  
other id: GP-136.  
group: CSR-SOYBEAN.  
remarks: Maturity Group II. Stems indeterminate. Flowers yellow with black hila phytophthora rot (race 1), downy mildew, powdery mildew (gene Rmd), and to bacterial pustule (Gene rxp). Spring Annual. Breeding Material. Seed.

PI 557537. Triticum aestivum L. POACEAE Common wheat


donor id: LB 292.  
origin: United States.  
pedigree: TI / N10-Bvr / 3 / TN*Cc.  

PI 557538 to 557539. Triticum aestivum L. POACEAE Common wheat

Donated by: Nelson, L.R., Texas A & M Research Center, P.O. Drawer E, Overton, Texas, United States. Received November 20, 1991.
PI 557538 to 557539-continued


PI 557540 to 557541. Phaseolus lunatus L.  FABACEAE

Donated by: Iwanaga, M., CIAT, Genetic Resources Unit, A.A. 6713, Cali, Colombia. Received November 20, 1991.


PI 557542. Phaseolus sp.  FABACEAE

Donated by: Iwanaga, M., CIAT, Genetic Resources Unit, A.A. 6713, Cali, Colombia. Received November 20, 1991.


PI 557543 to 557552. Phaseolus vulgaris L.  FABACEAE

Donated by: Iwanaga, M., CIAT, Genetic Resources Unit, A.A. 6713, Cali, Colombia. Received November 20, 1991.


PI 557553. Cynodon dactylon (L.) Pers. POACEAE Bermudagrass

Donated by: Quicksand Plant Materials Center, USDA-SCS, Quicksand, Kentucky, United States. Received November 19, 1991.

PI 557554. Lactuca sativa L. ASTERACEAE Romaine lettuce


PI 557555. Lactuca sativa L. ASTERACEAE Romaine lettuce


PI 557556. Zea mays L. subsp. mays POACEAE Corn

Donated by: Northrup King Company, United States. Received November 27, 1991.

origin: United States. origin institute: Northrup King Company. cultivar: 911. other id: PVP 9200012. source: Pending. group: PVPO. Cultivar. Seed.

PI 557557. Zea mays L. subsp. mays POACEAE Corn

Donated by: Northrup King Company, United States. Received November 27, 1991.

origin: United States. origin institute: Northrup King Company. cultivar: 912. other id: PVP 9200013. source: Pending. group: PVPO. Cultivar. Seed.

PI 557558. Arachis hypogaea L. FABACEAE Peanut


PI 557559. Pisum sativum L. FABACEAE Pea

Donated by: Van Waveren-Pflanzenzucht GMBH, Germany. Received November 27, 1991.


PI 557560. Gossypium hirsutum L. MALVACEAE Cotton


PI 557561. Cucumis melo L. CUCURBITACEAE Muskmelon

Donated by: Robert E. and Lisa C. Mourey, United States. Received November 27, 1991.


PI 557562. Zea mays L. subsp. mays POACEAE Corn


PI 557563. Zea mays L. subsp. mays POACEAE Corn


PI 557564. *Lactuca sativa* L. ASTERACEAE Lettuce

**Donated by:** Royal Sluis, Koninklijke, Netherlands. Received November 27, 1991.


PI 557565. *Lactuca sativa* L. ASTERACEAE Lettuce

**Donated by:** Royal Sluis, Koninklijke, Netherlands. Received November 27, 1991.


PI 557566. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Holden's Foundation Seeds, Inc., United States. Received November 27, 1991.


PI 557567. *Tagetes patula* L. ASTERACEAE Marigold

**Donated by:** Goldsmith Seeds, Inc., United States. Received November 27, 1991.


PI 557568. *Tagetes patula* L. ASTERACEAE Marigold

**Donated by:** Goldsmith Seeds, Inc., United States. Received November 27, 1991.

PI 557569. Zea mays L. subsp. mays POACEAE Corn


PI 557570 to 557578. Mentha aquatica L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 557570 to 557578-continued


PI 557579. Mentha aquatica L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received July 07, 1983.


PI 557580 to 557581. Mentha aquatica L. LAMIACEAE Mint

Donated by: Reckin, J., Experimental Garden, Werbellin, Germany. Received April 21, 1988.


PI 557582 to 557583. *Mentha aquatica* L. LAMIACEAE Mint

**Donated by:** Bachmann, K., Hugo de Vries Laboratory, Amsterdam, Netherlands. Received September 26, 1989.

PI 557582  
**origin:** Netherlands.  
**pedigree:** Collected from the wild in the Netherlands.  
**local name:** Water Mint.  
**collected:** September 05, 1989.  
**locality:** Westvoorne, moist dune valley.  
**latitude:** 52 deg. 00 min. N.  
**longitude:** 05 deg. 30 min. E.  
**Perennial. Wild. Cutting.**

PI 557583  
**origin:** Netherlands.  
**pedigree:** Collected from the wild in the Netherlands.  
**local name:** Water Mint.  
**collected:** September 15, 1989.  
**locality:** Haarlem, Kennemer Duinen (dunes).  
**latitude:** 52 deg. 00 min. N.  
**longitude:** 05 deg. 30 min. E.  
**Perennial. Wild. Cutting.**

PI 557584 to 557589. *Mentha arvensis* L. LAMIACEAE Mint

**Donated by:** Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.

PI 557584  
**origin:** United Kingdom.  
**pedigree:** Collected from the wild in England.  
**local name:** Corn Mint, Field Mint.  
**locality:** Hampshire, England.  
**remarks:** MJM: short, axillary flowers, male sterile and seed fertile.  
**Perennial. Wild. Plant.**

PI 557585  
**origin:** United Kingdom.  
**pedigree:** Collected from the wild in England.  
**local name:** Corn Mint, Field Mint.  
**locality:** Lynmouth, Devonshire, England.  
**remarks:** MJM: axillary flowers, not different from Cornwall 10262 in odor. Male sterile and seed fertile.  
**Perennial. Wild. Plant.**

PI 557586  
**origin:** Germany.  
**historical origin:** Pakistan.  
**local name:** Corn Mint, Field Mint.  
**remarks:** Male sterile, fully seed fertile.  
2n = 72 Short, tends to be procumbent, produces abundant stolons.  
**Perennial. Breeding Material. Plant.**

PI 557587  
**origin:** Pakistan.  
**local name:** Corn Mint, Field Mint.  
**remarks:** This strain gives almost no selfed seeds.  
**Perennial. Breeding Material. Plant.**

PI 557588  
**origin:** France.  
**pedigree:** Collected from the wild in France.  
**local name:** Corn Mint, Field Mint.  
**locality:** Disturbed soil near Dijon, Chevigny, France.  
**remarks:** MJM: arvensis odor not different from 10261 and 10262 Two clones, one male sterile and one fertile.  
**Perennial. Wild. Plant.**

PI 557590. Mentha arvensis L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received July 07, 1983.


PI 557591 to 557596. Mentha arvensis L. LAMIACEAE Mint

Donated by: Reckin, J., Experimental Garden, Werbellin, Germany. Received April 21, 1988.

PI 557591 origin: Germany. local name: Corn Mint, Field Mint. Perennial. Cultivated. Plant.


PI 557593 origin: Germany. local name: Corn Mint, Field Mint. Perennial. Cultivated. Plant.

PI 557594 origin: Germany. local name: Corn Mint, Field Mint. Perennial. Cultivated. Plant.


PI 557596 origin: Germany. local name: Corn Mint, Field Mint. Perennial. Cultivated. Plant.

PI 557597. Mentha arvensis L. LAMIACEAE Mint

Donated by: Bachmann, K., Hugo de Vries Laboratory, Amsterdam, Netherlands. Received September 26, 1989.

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PI 557597-continued


PI 557598 to 557604. Mentha canadensis L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 557605. Mentha canadensis L. LAMIACEAE Mint

Donated by: Kim, S.K., Korea, Republic of. Received April 07, 1983.
PI 557605-continued


PI 557606 to 557607. Mentha canadensis L. LAMIACEAE Mint

Donated by: Shimura, I., Tokyo, Japan. Received April 07, 1983.


PI 557608 to 557611. Mentha canadensis L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received July 07, 1983.


PI 557612. Mentha canadensis L. LAMIACEAE Mint

Donated by: Henderson, R.L., Oregon State University, Extension Seed Certification, Corvallis, Oregon, United States. Received September 06, 1989.
PI 557612-continued


PI 557613. Mentha canadensis L. LAMIACEAE Mint

Donated by: Chambers, H.L., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 27, 1989.


PI 557614. Mentha canadensis L. LAMIACEAE Mint

Donated by: Chambers, H.L., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received October 16, 1989.


PI 557615 to 557616. Mentha canadensis L. LAMIACEAE Mint

Donated by: Morton, J.K., University of Waterloo, Ontario, Canada. Received October 30, 1989.


PI 557617 to 557626. Mentha canadensis L. LAMIACEAE Mint

Donated by: Tucker, A.O., Delaware State College, Dover, Delaware, United States. Received November 30, 1990.


PI 557617 to 557626-continued


PI 557627 to 557628. Mentha canadensis L. LAMIACEAE Mint

Donated by: Tucker, A.O., Delaware State College, Dover, Delaware, United States. Received December 05, 1990.


PI 557629 to 557633. Mentha canadensis L. LAMIACEAE Mint

Donated by: Tucker, A.O., Delaware State College, Dover, Delaware, United States. Received June 06, 1991.


PI 557634. Mentha cervina L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.
PI 557634-continued


PI 557635 to 557636. Mentha cervina L. LAMIACEAE Mint

Donated by: Reckin, J., Experimental Garden, Werbellin, Germany. Received April 21, 1988.


PI 557637. Mentha dahurica Fischer ex Benth. LAMIACEAE Mint

Donated by: Gilly, G., INRA, Antibes, France. Received June 26, 1989.


PI 557638. Mentha dahurica Fischer ex Benth. LAMIACEAE Mint

Donated by: Montarone, M., INRA, France. Received October 27, 1989.


PI 557639. Mentha gattefossei Maire LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.

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PI 557639-continued

origin: Morocco. historical origin: United States.
pedigree: Seedling selection from seedlot collected in Morocco.

PI 557640 to 557641. Mentha gattefossei Maire LAMIACEAE Mint

Donated by: Reckin, J., Experimental Garden, Werbellin, Germany. Received April 21, 1988.


PI 557641 origin: Austria. historical origin: United States.

PI 557642. Mentha gattefossei Maire LAMIACEAE Mint

Donated by: Robbins, P., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received February 15, 1989.

origin: Germany. historical origin: United States.

PI 557643 to 557735. Mentha hybrid LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


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PI 557643 to 557735-continued

PI 557645  
**origin:** United States.  
**origin institute:** A.M. Todd Co., Kalamazoo, Michigan.  
**pedigree:** 10015 x 10029  
(rotundifolia x longifolia tet.) Fl.  

PI 557646  
**origin:** United States.  
**origin institute:** A.M. Todd Co., Kalamazoo, Michigan.  
**pedigree:** M. crispa x 4n longifolia (10095 x 10029).  
**remarks:** F2 selection used as a tester strain having 68% isomethone, fully fertile. Perennial. Breeding Material. Plant.

PI 557647  
**origin:** United States.  
**origin institute:** A. M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree:** 10189(MEN 119,Loom. cit) x 10172(MEN 107,Du aq)Fl,2ndBC10189.  
**local name:** Bergamot Mint, Lemon Mint.  
**remarks:** Heterozygous fertile strain, useful as a pollen parent, fully fertile and very vigorous, large flower spikes. Perennial. Breeding Material. Plant.

PI 557648  
**origin:** United States.  
**origin institute:** A. M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree:** 10187 (MEN 117,Cal Norb cit) x 10172 (MEN 107,Du aq) Fl.  
**remarks:** Male sterile but seed fertile, genotype ilil i2i2 Lmllml Lm2 lm2. 67.5% limolene and 23.6% cineole. Perennial. Breeding Material. Plant.

PI 557649  
**origin:** United States.  
**origin institute:** A. M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree:** 10188 (MEN 118, Thom. cit) x 10172 (MEN 107, Du aq) BC to aq.  

PI 557650  
**origin:** United States.  
**origin institute:** A. M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree:** 10172 (MEN 107,Dutch aq.) x 10157 (MEN 97) Fl.  
**remarks:** Highly sterile, similar to cultivar Mitcham. Perennial. Breeding Material. Plant.

PI 557651  
**origin:** United States.  
**pedigree:** M. aquatica x M. spicata.  
**remarks:** Terminal flowers, male sterile, leaves medium, light green very crisp. Highly seed sterile. Perennial. Cultivated. Plant.

PI 557652  
**origin:** United States.  
**pedigree:** Collected from the wild in New Jersey.  
**locality:** By Old Mill near the Central Railroad NE of High Bridge NJ.  
**remarks:** MJM: 6x, male and seed sterile, odor spearmint and hot M. aquatica x M. spicata. Perennial. Wild. Plant.
PI 557653  
**origin:** Brazil.  **cultivar:** IAC 09.  **pedigree:** M. arvensis x M. spicata.  **remarks:** MJM: Brazil '09. Perennial. Breeding Material. Plant.

PI 557654  
**origin:** United States.  **origin institute:** A. M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** Impossible to determine from notes (Murray p.87, Haunold p24).  **remarks:** Selection has 92% menthone M. hybrid (arvensis-spicata-longifolia) ?. Perennial. Breeding Material. Plant.

PI 557655  
**origin:** United States.  **origin institute:** A. M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10125 (MEN 71, Du-17-4) x 10017 (MEN 9, Du 6), 4th BC to 10017.  **remarks:** Male sterile M. hybrid (spicata x suaveolens). Perennial. Breeding Material. Plant.

PI 557656  
**origin:** United States.  **origin institute:** A. M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10125 (MEN 71, Du-17-4) x 10023 (MEN 14, Thom 196) 2nd BC to 10023.  **remarks:** Male-sterile M. spicata x suaveolens. Perennial. Breeding Material. Plant.

PI 557657  
**origin:** United States.  **origin institute:** A. M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10025 (MEN 71, Du-17-4) x 10020 (MEN 12, Tom rot), 2nd BC 10020.  **remarks:** Male-sterile M. spicata x suaveolens (rotundifolia) hybrid. Perennial. Breeding Material. Plant.

PI 557658  
**origin:** United States.  **origin institute:** A. M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10125 (MEN 71, Du-17-4) x 10028 (MEN 17, 2nSyl), 4th BC to 10028.  **local name:** Horse Mint.  **remarks:** Male-sterile M. spicata x longifolia. Perennial. Breeding Material. Plant.

PI 557659  
**origin:** United States.  **origin institute:** A. M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10125 (MEN 71, Du-17-4) x 10028 & 10030 (4nSylSyl), 5th BC 4nSylSyl.  **remarks:** Male-sterile (10029 & 10030 = colchicine-doubled 10028). M. spicata x longifolia. Perennial. Breeding Material. Plant.

PI 557660  
**origin:** United States.  **origin institute:** A. M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10014 (MEN 6, 2n rot) x 10032 (MEN 18, DuSyl), 3rd BC to 10032.  **remarks:** Male-sterile M. suaveolens (rot.) x longifolia. Perennial. Breeding Material. Plant.
PI 557643 to 557735—continued

PI 557661  
**origin:** United States.  
**origin institute:** A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**cultivar:** MsFl.  
**pedigree:**  
10125 (MEN 71, Du-17-4) x (10017[MEN9] x 10018[MEN17]) 2nd BC to hyb.  

PI 557662  
**origin:** United States.  
**origin institute:** A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree:**  
10125 (MEN71, Du-17-4) x (10018[MEN10] x 10028[MEN17]) 2nd BC to hyb.  

PI 557663  
**origin:** United States.  
**origin institute:** A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree:**  
10125 (MEN 71, Du-17-4) x (10016[MEN8] x 10031[2n Sly]) 4th BC to hyb.  

PI 557664  
**origin:** United States.  
**origin institute:** A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree:**  
10125 (MEN 71, Du-17-4) x (10015[MEN7] x 10029[4n Sly S1]) 4th BC to hyb.  

PI 557665  
**origin:** United States.  
**origin institute:** A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree:**  
10125 (MEN 71, Du-17-4) x 10068 (4n Todd Nil S1) 2nd BC to 1006.  
**remarks:** Male-sterile. 10068 was colchicine-induced tet. S1, see notes M. spicata x villosa var alopecuroides. Perennial. Breeding Material. Plant.

PI 557666  
**origin:** United States.  
**origin institute:** A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree:**  
10125 (MEN 71, Du-17-4) x 10073 (4n US Nil S1) 3rd BC to 10073.  

PI 557667  
**origin:** United States.  
**origin institute:** A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree:**  
10173 (MEN 107, Du aqu ms) x 10285 (MEN 177, Jap S1) 5th BC to 10285.  
**local name:** Japanese Mint.  
**remarks:** Male-sterile, 10285 is S1 of 10274, high menthol M. aquatica x canadensis (piperascens) hybrid. Perennial. Breeding Material. Plant.
PI 557643 to 557735-continued

PI 557668  
origin: United States.  
pedigree: 10173(Du aq ms) x 10286(Jap Sl) 5th BC to 10286.  
local name: Japanese Mint.  

PI 557669  
origin: United States.  
pedigree: 10173(Du aq ms) x 10285(MEN 177,Jap Sl) 5th BC to 10285.  
local name: Japanese Mint.  

PI 557670  
origin: United States.  
pedigree: 10173(Du aq ms) x 10285(MEN 177,Jap Sl) 4th BC to 10285.  
local name: Japanese Mint.  

PI 557671  
origin: United States.  
pedigree: 10263(MEN 164,Bag arv ms) x 10286(Jap Sl) 2nd BC to 10286.  
local name: Japanese Mint.  

PI 557672  
origin: United States.  
pedigree: 10263(MEN 164,Bag arv ms) x 10288(Jap Sl) 1st BC to 10288.  
local name: Japanese Mint.  

PI 557673  
origin: United States.  
pedigree: 10173(Du aq ms) x 10310(MEN 189,2n Sc) 5th BC to 10310.  
local name: Scotch Mint.  

PI 557674  
origin: United States.  
pedigree: 10173(Du aq ms) x 10213(MEN 134,4n pepp) 5th BC to 10213.  
local name: Peppermint.  


PI 557679 **origin**: United States. **origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan. **pedigree**: spicata(2n=48) x 10032(MEN 18,DuSyl)1st BC to 10028(MEN 17). **local name**: Horse Mint. **remarks**: Breeding goal: to get carvone into longifol. see Murray notes M. spicata x longifolia hybrid. Perennial. Breeding Material. Plant.

PI 557680 **origin**: United States. **origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan. **pedigree**: spicata(2n=48) x 10032(MEN 18,DuSyl)4th BC to 10028(MEN 17). **remarks**: Breeding goal: to get menthone into longifol. see Murray notes M. spicata x longifolia hybrid. Perennial. Breeding Material. Plant.


PI 557683  
**origin**: United States,  
**origin institute**: A.M. Todd Co.,  
Kalamazoo, Michigan.  
**pedigree**: M. spicata (2n=48) x 10017(CMEN 9), 2nd BC to 10017.  
**remarks**: Breeding goal to get carvone into Du. 6 rot. M. spicata x suaveolens hybrid. Perennial. Breeding Material. Plant.

PI 557684  
**origin**: United States,  
**origin institute**: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree**: M. spicata(2n=48) x 10017(MEN 9,Du 6 rot) 6th BC to 10017.  

PI 557685  
**origin**: United States,  
**origin institute**: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree**: M. spicata(2n=48) x 10017(MEN 9,Du 6 rot) 4th BC to 10017.  
**local name**: Spearmint.  

PI 557686  
**origin**: United States,  
**origin institute**: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree**: M. arvensis(2n=96) x 10157(MEN 97) 4th BC to 10157.  
**local name**: Spearmint.  

PI 557687  
**origin**: United States,  
**origin institute**: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree**: 10213(MEN 134,4n pepp) x crispa(2n=96)6th BC to 10213.  
**local name**: Peppermint.  
**remarks**: Breeding goal: to get carvone into 4n pepp. '89 IDX? M. x piperita x crispa hybrid. Perennial. Breeding Material. Plant.

PI 557688  
**origin**: United States,  
**origin institute**: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree**: 10213(MEN 134,4n pepp) x 10098(MEN 58,4nCrSl)3rd BC to 10213.  
**local name**: Peppermint.  
**remarks**: Breeding goal: to get carvone into 4n pepp M. x piperita x crispa hybrid. Perennial. Breeding Material. Plant.

PI 557689  
**origin**: United States,  
**origin institute**: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
**pedigree**: 10213(MEN 134,4n pepp) x 10098(MEN 58,4nCrSl)3rd BCto10213.  
**local name**: Peppermint.  
**remarks**: Goal: to get higher menthone & crisp leaves etc.see Murray M. x piperita x crispa hybrid. Perennial. Breeding Material. Plant.
PI 557643 to 557735-continued


PI 557697  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10189(MEN 119, Loom cit) x 10247(MEN 156,2n arv)3rdBCto10247.  
**local name**: Corn Mint, Field Mint.  

PI 557698  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10185(MEN 116, 2n cit) x 10017(MEN 9, Du 6) Fl.  

PI 557699  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10185(MEN 116, 2n cit) x 10015(MEN 7,4n rot) Fl.  

PI 557700  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10185(MEN 116, 2n cit) x longifolia (no #) Fl.  

PI 557701  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10185(MEN 116, 2n cit) x 10132(MEN 78, Missiones) Fl.  

PI 557702  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10187(MEN 117, Cal Norb) x 10132(MEN 78, Missiones) Fl.  

PI 557703  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10185(MEN116,2n cit) x 10085(MEN 49,M.cord.Dol.) Fl.  

PI 557704  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  

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PI 557705  
origin: United States.  
origin institute: A.M. Todd Co.,  
Boxx 711, Kalamazoo, Michigan.  
pedigree: 10089(MEN 52, Thom 201) x 10196(MEN 126, Loom. cit. hybrid).  

PI 557706  
origin: United States.  
origin institute: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
pedigree: 10187(MEN 117, Cal Norb) x 10247(MEN 156, 2n arv) F1.  

PI 557707  
origin: United States.  
origin institute: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
pedigree: 10188(MEN 118, Thom cit.) x 10286(Jap Sl 5th) F1.  

PI 557708  
origin: United States.  
origin institute: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
pedigree: 10189(MEN 119, Loom, cit.) x 10286(Jap Sl 5th) F1.  

PI 557709  
origin: United States.  
origin institute: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
pedigree: 10187(MEN 117, Cal Norb) x 10172(MEN 107, Du aq) 1st BC to 10187.  
local name: Bergamot Mint, Lemon Mint.  

PI 557710  
origin: United States.  
origin institute: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
pedigree: 10017(MEN 9, Du 6 rot) x 10172(MEN 107, Du aq) F1.  

PI 557711  
origin: United States.  
origin institute: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
pedigree: 10173(Du aq ms) x 10017(MEN 9, Du 6 rot) F1.  

PI 557712  
origin: United States.  
origin institute: A.M. Todd Co.,  
Box 711, Kalamazoo, Michigan.  
pedigree: 10173(Du aq ms) x 10015(MEN 7, 4n rot) F1.  


PI 557643 to 557735-continued

PI 557729  

PI 557730  

PI 557731  

PI 557732  

PI 557733  

PI 557734  

PI 557735  

PI 557736 to 557742. Mentha hybrid LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received July 07, 1983.

PI 557736  


PI 557743 to 557750. Mentha hybrid LAMIACEAE Mint

Donated by: Tucker, A.O., Delaware State College, Dover, Delaware, United States.  Received December 05, 1990.
PI 557744  
**origin:** United States.  
**origin institute:** Delaware State College, Dept. Ag. and Natural Resources, Dover, Delaware 19901-2275.  
**cultivar:** 23-40.  
**pedigree:** M. arvensis x M. longifolia (CMEN 164 x CMEN 19).  

PI 557745  
**origin:** United States.  
**origin institute:** Delaware State College, Dept. Ag. and Natural Resources, Dover, Delaware 19901-2275.  
**cultivar:** 23-64.  
**pedigree:** M. arvensis x M. longifolia (CMEN 164 x CMEN 19).  

PI 557746  
**origin:** United States.  
**origin institute:** Delaware State College, Dept. Ag. and Natural Resources, Dover, Delaware 19901-2275.  
**cultivar:** 28-13.  
**pedigree:** M. arvensis x M. longifolia (CMEN 185 x CMEN 19).  

PI 557747  
**origin:** United States.  
**origin institute:** Delaware State College, Dept. Ag. and Natural Resources, Dover, Delaware 19901-2275.  
**cultivar:** 28-16.  
**pedigree:** M. arvensis x M. longifolia (CMEN 185 x CMEN 19).  

PI 557748  
**origin:** United States.  
**origin institute:** Delaware State College, Dept. Ag. and Natural Resources, Dover, Delaware 19901-2275.  
**cultivar:** 23-7.  
**pedigree:** M. arvensis x M. longifolia (CMEN 164 x CMEN 19).  

PI 557749  
**origin:** United States.  
**origin institute:** Delaware State College, Dept. Ag. and Natural Resources, Dover, Delaware 19901-2275.  
**cultivar:** 23-7 (4n).  
**pedigree:** arvensis x longifolia (prob. colchicine treated CMEN 611).  

PI 557750  
**origin:** United States.  
**origin institute:** Delaware State College, Dept. Ag. and Natural Resources, Dover, Delaware 19901-2275.  
**cultivar:** 23-32.  
**pedigree:** M. arvensis x M. longifolia (CMEN 164 x CMEN 19).  

PI 557751 to 557753. Mentha hybrid LAMIACEAE Mint

**Donated by:** Tucker, A.O., Delaware State College, Dover, Delaware, United States. Received June 06, 1991.

PI 557751  
**origin:** United States.  
**origin institute:** Delaware State College, Dept. Ag. and Natural Resources, Dover, Delaware 19901-2275.  
**cultivar:** 23-7.  


PI 557754. Mentha japonica (Miq.) Makino LAMIACEAE Mint


PI 557755 to 557759. Mentha longifolia (L.) L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 557758 origin: India. pedigree: Collected from the wild in India. local name: Horse Mint. locality: Jammu. remarks: Originally received as M. royleana. MJM: Flowers terminal, spikes narrow, has anthers, looks fertile, strong mp odor. Perennial. Wild. Plant.
Plant.

PI 557760 to 557765.  Mentha longifolia (L.) L.  LAMIACEAE  Mint

Donated by: Reckin, J., Experimental Garden, Werbellin, Germany.  
Received April 21, 1988.

PI 557760  origin: Italy.  local name: Horse Mint.  Perennial.  
Cultivated.  Plant.

PI 557761  origin: France.  pedigree: Open pollinated from botanical  
collection.  local name: Horse Mint.  Perennial.  
Cultivated.  Seed.

PI 557762  origin: France.  pedigree: Open pollinated from botanical  
collection.  local name: Horse Mint.  Perennial.  
Cultivated.  Seed.

PI 557763  origin: Belgium.  pedigree: Open pollinated from botanical  
collection.  local name: Horse Mint.  Perennial.  
Cultivated.  Seed.

PI 557764  origin: Italy.  pedigree: Open pollinated from botanical  
collection.  local name: Horse Mint.  Perennial.  
Cultivated.  Seed.

PI 557765  origin: Spain.  pedigree: Open pollinated from botanical  
collection.  local name: Horse Mint.  Perennial.  
Cultivated.  Seed.

PI 557766.  Mentha longifolia (L.) L.  LAMIACEAE  Mint

Donated by: Thompson, M.M., Oregon State University, Dept.  
Horticulture, Corvallis, Oregon, United States.  Received July 26,  
1990.

origin: USSR.  pedigree: Collected from the wild in the  
USSR.  local name: Horse Mint.  collected: July 1990.  
locality: VIR Central Asian Station, Tashkent.  remarks:  
1.2m tall, grey foliage, lavender flowers.  Perennial.  
Wild.  Cutting.
PI 557767. Mentha longifolia subsp. capensis (Thunb.) Briq. LAMIACEAE Mint

Donated by: Els, A.J., Department of Agricultural Economics, and Marketing, Pretoria, South Africa. Received March 21, 1990.


PI 557768. Mentha longifolia subsp. hymalaiensis Briq. LAMIACEAE Mint


PI 557769. Mentha longifolia subsp. polyadenia (Briq.) Briq. LAMIACEAE Mint

Donated by: Els, A.J., Department of Agricultural Economics, and Marketing, Pretoria, South Africa. Received March 21, 1990.


PI 557770. Mentha longifolia subsp. typhoides (Briq.) R. Harley LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 557771 to 557772. Mentha pulegium L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.
PI 557771 to 557772-continued


PI 557773. Mentha pulegium L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received July 07, 1983.


PI 557774. Mentha pulegium L. LAMIACEAE Mint

Donated by: Reckin, J., Experimental Garden, Werbellin, Germany. Received April 21, 1988.


PI 557775. Mentha pulegium L. LAMIACEAE Mint

Donated by: Glausi, J., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received April 14, 1989.


PI 557776. Mentha pulegium L. LAMIACEAE Mint

Donated by: Chambers, H.L., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received November 06, 1989.
PI 557776-continued


PI 557777. Mentha pulegium L. LAMIACEAE Mint


PI 557778. Mentha pulegium L. LAMIACEAE Mint

Donated by: Chambers, H.L., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received September 06, 1990.


PI 557779. Mentha pulegium L. LAMIACEAE Mint

Donated by: Luckman, G., University of Tasmania, Hobart, Tasmania, Australia. Received May 31, 1991.


PI 557780. Mentha pulegium L. LAMIACEAE Mint

Donated by: Chambers, H.L., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received August 13, 1991.

PI 557781. Mentha requienii Benth. LAMIACEAE Mint

**Donated by:** Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 557782. Mentha requienii Benth. LAMIACEAE Mint

**Donated by:** Gilly, G., INRA, Antibes, France. Received June 26, 1989.

**origin:** France. **local name:** Corsican Mint, Menthella. Perennial. Cultivated. Rhizome.

PI 557783. Mentha sp. LAMIACEAE Mint

**Donated by:** Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received July 07, 1983.


PI 557784. Mentha sp. LAMIACEAE Mint

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

**origin:** Brazil. **pedigree:** Collected from the wild in Brazil. **collected:** March 1990. **locality:** Near Sao Roque. **latitude:** 05 deg. 30 min. S. **longitude:** 35 deg. 16 min. W. **elevation:** 1100m. Perennial. Wild. Cutting.

PI 557785. Mentha sp. LAMIACEAE Mint

**Donated by:** Thompson, M.M., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States. Received July 26, 1990.
PI 557785-continued

**origin:** USSR. **pedigree:** Collected from the wild in the USSR. **collected:** July 09, 1990. **locality:** Tajikistan Botan. Inst., along an irrigation canal. **remarks:** Grey leaves. Perennial. Wild. Cutting.

PI 557786 to 557865. Mentha spicata L. LAMIACEAE Mint

**Donated by:** Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.

PI 557786 **origin:** Brazil. **local name:** Spearmint. **locality:** Campinas. **remarks:** Small terminal flowers, odor not spearmint, menthone or piperitone, thick leaves subject to leaf spot. Perennial. Plant.

PI 557787 **origin:** United States. **pedigree:** Collected from the wild in Michigan. **local name:** Spearmint. **locality:** Greenfield Village, Dearborn. **remarks:** Sterile carvone-odored strain, 2n=36. Perennial. Wild. Plant.

PI 557788 **origin:** United States. **origin institute:** A. M. Todd Co., Kalamazoo, Michigan. **pedigree:** Colchicine-induced 4n strain of 10047. **local name:** Spearmint. **remarks:** Breeding goal: to get carvone into Du 6 rot Seed fertile but male sterile. Perennial. Breeding Material. Plant.

PI 557789 **origin:** Australia. **local name:** Spearmint. **remarks:** MJM: resembles Dearborn spicata 10046. Perennial. Cultivated. Plant.

PI 557790 **origin:** United States. **pedigree:** Uncertain, probably a seedling selection. **local name:** Spearmint. **remarks:** Known as 'Native American' spearmint cultivar, triploid, male sterile and highly seed sterile. Orig. called 2n AS. Perennial. Cultivated. Plant.

PI 557791 **origin:** United States. **origin institute:** A.M. Todd Co., Kalamazoo, Michigan. **pedigree:** Colchicine-induced tetraploid native spearmint. **local name:** Spearmint. **remarks:** Fully fertile. Perennial. Breeding Material. Plant.

PI 557792 **origin:** United States. **pedigree:** Collected from the wild in Pennsylvania. **local name:** Spearmint. **locality:** Stream through fairgrounds at Kempton PA. **remarks:** MJM: sterile, menthone-odorred strain. Perennial. Wild. Plant.
<table>
<thead>
<tr>
<th>PI</th>
<th>Origin</th>
<th>Pedigree</th>
<th>Local Name</th>
<th>Locality</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>557800</td>
<td>United Kingdom</td>
<td></td>
<td>Spearmint</td>
<td></td>
<td>Original origin unknown. Has a spearmint odor, fertility uncertain.</td>
</tr>
<tr>
<td>557801</td>
<td>Guatemala</td>
<td>Collected from the wild in Guatemala.</td>
<td>Spearmint</td>
<td>Panajachel, Lake Atitlon.</td>
<td>MJM: Typical odor and appearance, leaves very large in winter. Fully fertile, only 5% bad pollen. Perennial. Wild. Plant.</td>
</tr>
</tbody>
</table>


PI 557823  
**origin:** Netherlands. **local name:** Spearmint. **remarks:** Carvone odor, resembles White's Road strain 10133. Perennial. Cultivated. Plant.

PI 557824  
**origin:** United Kingdom. **pedigree:** Collected from the wild in England. **local name:** Spearmint. **collected:** 1968. **remarks:** Hairy, spearmint odor and very sharp leaf teeth. Late maturity. Perennial. Wild. Plant.

PI 557825  
**origin:** United Kingdom. **pedigree:** Collected from the wild in England. **local name:** Spearmint. **collected:** 1968. **remarks:** Glabrous, flat leaves and very vigorous. Perennial. Wild. Plant.

PI 557826  
**origin:** Netherlands. **local name:** Spearmint. **collected:** 1968. **remarks:** Hairy strain having a high pulegone odor. Produces anthers and has 5% bad pollen. Perennial. Cultivated. Plant.

PI 557827  
**origin:** United Kingdom. **pedigree:** Collected from the wild in England. **local name:** Spearmint. **collected:** 1968. **remarks:** Spearmint odor, early-medium maturity. Perennial. Wild. Plant.

PI 557828  
**origin:** United Kingdom. **pedigree:** Collected from the wild in England. **local name:** Spearmint. **collected:** 1968. **remarks:** Semi-crisp leaves, late maturity and spearmint odor. Perennial. Wild. Plant.

PI 557829  
**origin:** USSR. **pedigree:** Collected from the wild in the Soviet Union. **local name:** Spearmint. **collected:** 1968. **locality:** Southern Russia. **remarks:** Glabrous, spearmint and hot odor. Fertile, having 5% bad pollen. Perennial. Wild. Plant.

PI 557830  
**origin:** United States. **historical origin:** United States. **origin institute:** Private breeder, RD #2, Easton, Pennsylvania 18042. **local name:** Spearmint. **remarks:** MJM: glabrous with definite spearmint odor and flat leaves. Perennial. Breeding Material. Plant.

PI 557831  
**origin:** UNKNOWN. **historical origin:** United States. **origin institute:** A.M. Todd Co., Kalamazoo, Michigan. **pedigree:** Probably a selection from the wild from southern Europe. **local name:** Spearmint. **remarks:** MJM: hairy type. Fertile. Perennial. Breeding Material. Plant.


PI 557848  
**origin:** United States.  **origin institute:** A.M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10125 (MEN 71,Du-17-4) x 10095 (MEN 57,2nCr) 4th BC to 10095.  **local name:** Spearmint.  **remarks:** Male-sterile, medium menthone-pulegone M. spicata (crispa) hybrid. Perennial. Breeding Material. Plant.

PI 557849  
**origin:** United States.  **origin institute:** A.M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10125 (MEN 71,Du-17-4) x 10095(MEN 57, 2nCr) 3rd BC to 10095.  **local name:** Spearmint.  **remarks:** Male sterile, menthone-pulegone M. spicata (crispa) hybrid. Perennial. Breeding Material. Plant.

PI 557850  
**origin:** United States.  **origin institute:** A.M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10125(MEN71,Du-17-4) x 10108(MEN 65,2n line 1)4thBC to 10108.  **local name:** Spearmint.  **remarks:** Male-sterile, spearmint M. spicata hybrid. Perennial. Breeding Material. Plant.

PI 557851  
**origin:** United States.  **origin institute:** A.M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10125(MEN71,Du-17-4) x 10108(MEN 65,2n line 1)3rdBCto10108.  **local name:** Spearmint.  **remarks:** Male-sterile, menthone-pulegone (mp) M. spicata hybrid. Perennial. Breeding Material. Plant.

PI 557852  
**origin:** United States.  **origin institute:** A.M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10125(MEN 71,Du-17-4) x 10157(MEN 97,2n line 1Sl)3rdBCto10157.  **local name:** Spearmint.  **remarks:** Male-sterile, high menthone M. spicata hybrid. Perennial. Breeding Material. Plant.

PI 557853  
**origin:** United States.  **origin institute:** A.M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10125(MEN 71,Du-17-4) x 10158(MEN 98,MEN57)3rd BC to 10158.  **local name:** Spearmint.  **remarks:** Male-sterile, pulegone & menthone M. spicata (crispa) hybrid. Perennial. Breeding Material. Plant.

PI 557854  
**origin:** United States.  **origin institute:** A.M. Todd Co., Box 711, Kalamazoo, Michigan.  **pedigree:** 10125(MEN 71,Du-17-4) x 10158(MEN 98,MEN57)3rd BC to 10158.  **local name:** Spearmint.  **remarks:** Male-sterile M. spicata (crispa) hybrid. Perennial. Breeding Material. Plant.
PI 557855  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10125(MEN 71,Du-17-4) x 10159(S1 of 10095,MEN57)3rd BC to 10159.  
**local name**: Spearmint.  

PI 557856  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10125(MEN 71,Du-17-4) x 10167, 3rd BC to 10167.  
**local name**: Spearmint.  

PI 557857  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10125(MEN71,Du-17-4) x 10086(MEN 50)4th BC to 10086.  
**local name**: Spearmint.  

PI 557858  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10125(MEN 71,Du-17-4) x 10088(MEN 51,Thom 198)4th BC to 10088.  
**local name**: Spearmint.  

PI 557859  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10125(MEN 71,Du-17-4) x 10090(Thom 201)5th BC to 10090.  
**local name**: Spearmint.  

PI 557860  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10125(MEN 71,Du-17-4) x 10108(MEN 65,2n line 1)4th BC to 10125.  
**local name**: Spearmint.  

PI 557861  
**origin**: United States.  
**origin institute**: A.M. Todd Co., Box 711, Kalamazoo, Michigan.  
**pedigree**: 10125(MEN 71,Du-17-4) x 10095(MEN 57,2nCr)4th BC to 10125.  
**local name**: Spearmint.  


PI 557866 to 557878. Mentha spicata L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States.  Received July 07, 1983.


PI 557879 to 557884. Mentha spicata L. LAMIACEAE Mint

Donated by: Reckin, J., Experimental Garden, Werbellin, Germany. Received April 21, 1988.
PI 557879 to 557884

**PI 557879**

**PI 557880**

**PI 557881**

**PI 557882**

**PI 557883**

**PI 557884**

**PI 557885. Mentha spicata L. LAMIACEAE Mint**
Donated by: Clark, B.J., Oregon State University, Dept. Crop Sciences, Corvallis, Oregon, United States. Received March 07, 1990.


**PI 557886. Mentha spicata L. LAMIACEAE Mint**
Donated by: Thompson, M.M., Oregon State University, Dept. Horticulture, Corvallis, Oregon, United States. Received July 26, 1990.


**PI 557887. Mentha spicata L. LAMIACEAE Mint**
Donated by: Sturtz, G., Albany, Oregon, United States. Received July 18, 1991.
PI 557887-continued


PI 557888. Mentha spicata subsp. tomentosa (Briq.) R. Harley LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 557889. Mentha spicata subsp. tomentosa (Briq.) R. Harley LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received July 07, 1983.


PI 557890. Mentha spicata subsp. tomentosa (Briq.) R. Harley LAMIACEAE Mint

Donated by: Gilly, G., INRA, Antibes, France. Received June 26, 1989.

origin: Germany. pedigree: Seedling selection from OP seedlot from Berlin. local name: Spearmint. remarks: Received as M. microphylla. Perennial. Cultivated. Plant.
PI 557891 to 557902. Mentha suaveolens Ehrh. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 557894 origin: Netherlands. origin institute: Private breeder, Leiden. remarks: Fully fertile, has been used in crosses more often than any other. Perennial. Breeding Material. Plant.


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PI 557891 to 557902-continued

PI 557900  

PI 557901  

PI 557902  

PI 557903 to 557906.  Mentha suaveolens Ehrh.  LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States.  Received July 07, 1983.

PI 557903  

PI 557904  

PI 557905  

PI 557906  

PI 557907 to 557908.  Mentha suaveolens Ehrh.  LAMIACEAE Mint

Donated by: Reckin, J., Experimental Garden, Werbellin, Germany.  Received April 21, 1988.

PI 557907  
PI 557907 to 557908-continued


PI 557909 to 557910. Mentha suaveolens Ehrh. LAMIACEAE Mint

Donated by: Robbins, P., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received February 15, 1989.


PI 557911. Mentha suaveolens Ehrh. LAMIACEAE Mint

Donated by: Montarone, M., INRA, France. Received October 27, 1989.


PI 557912. Mentha suaveolens Ehrh. LAMIACEAE Mint

Donated by: Gilbert, J., Northwoods Nurseries, Mollala, Oregon, United States. Received May 21, 1990.


PI 557913 to 557914. Mentha x dalmatica Tausch LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.
PI 557913 to 557914-continued


PI 557915. Mentha x dalmatica Tausch LAMIACEAE Mint

Donated by: Reckin, J., Experimental Garden, Werbellin, Germany. Received April 21, 1988.


PI 557916 to 557917. Mentha x dumetorum Schultes LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 557918 to 557924. Mentha x gracilis Sole LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.

PI 557918  origin: UNKNOWN. historical origin: United States. origin institute: USDA/ARS, Beltsville, Maryland. pedigree: Probably a selection from European stock. remarks: This has been the standard strain used in genetic work. Has never developed anthers in 24 years in either gh or field. Perennial. Breeding Material. Plant.
PI 557919  origin: UNKNOWN. historical origin: United States.
pedigree: Probably a selection from European stock
(strain 2). remarks: Male sterile and typical gentilis

PI 557920  origin: Netherlands. remarks: Typical gentilis odor and

PI 557921  origin: United States. origin institute: The Herb
Company, Baraboo, Wisconsin. local name: Anise Mint.
remarks: Male sterile strain with a gentilis odor but may
be slightly different in oil composition. Perennial.
Breeding Material. Plant.

PI 557922  origin: United States. cultivar: Double Mint. remarks:
MJM: gentilis in general appearance, very red stemmed,
does not have typical gentilis odor and is primarily

PI 557923  origin: Switzerland. remarks: MJM: normal appearance and

PI 557924  origin: United States. origin institute: A.M. Todd Co.,
Kalamazoo, Michigan. pedigree: Selection from cultivar
Scotch. local name: Scotch Spearmint. remarks: Often
male sterile in field, highly seed and pollen sterile,
selfing can give a fertile polyploid. Perennial.
Breeding Material. Plant.

PI 557925 to 557933. Mentha x gracilis Sole LAMIAECEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon
State University, Corvallis, Oregon, United States. Received July
07, 1983.

PI 557925  origin: United States. origin institute: A.M. Todd Co.,
Kalamazoo, Michigan. cultivar: Scotch sel. 227-8-73-3.
pedigree: Selection of irradiated Scotch. Perennial.
Breeding Material. Plant.

PI 557926  origin: United States. origin institute: A.M. Todd Co.,
Kalamazoo, Michigan. cultivar: Scotch sel. 213-10-74.
pedigree: Selection of irradiated Scotch. Perennial.
Breeding Material. Plant.

PI 557927  origin: United States. origin institute: A.M. Todd Co.,
Kalamazoo, Michigan. cultivar: Scotch sel. 48-10-73-4.
pedigree: Selection of irradiated Scotch (48-10-73-4).
PI 557925 to 557933-continued

PI 557928 origin: UNKNOWN. cultivar: 80-334C. remarks: Originally received as 80-334C Sel. 92, but it is incorrect. Retained in collection because of virus-type mottling. Perennial. Plant.


PI 557934. Mentha x gracilis Sole LAMIACEAE Mint

Donated by: Bachmann, K., Hugo de Vries Laboratory, Amsterdam, Netherlands. Received September 26, 1989.


PI 557935. Mentha x gracilis Sole LAMIACEAE Mint

Donated by: Clark, B.J., Oregon State University, Dept. Crop Sciences, Corvallis, Oregon, United States. Received March 07, 1990.

PI 557936. Mentha x maximiliana F. Schultz LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 557937 to 557955. Mentha x piperita L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 557943  
origin: United States.  
origin institute: Oregon State University, Corvallis, Oregon.  
local name: Peppermint.  
remarks: Non-Mitcham strain.  
Perennial.  
Breeding Material.  
Plant.

PI 557944  
origin: United States.  
pedigree: Collected from the wild in Michigan.  
local name: Peppermint.  
locality: Along a stream in Vicksburg.  
remarks: Non-Mitcham strain.  
Perennial.  
Wild.  
Plant.

PI 557945  
origin: United States.  
pedigree: Collected from the wild in Michigan.  
local name: Peppermint.  
locality: Kewanee Peninsula, Upper Michigan.  
remarks: Non-Mitcham strain.  
Perennial.  
Wild.  
Plant.

PI 557946  
origin: United States.  
pedigree: Collected from the wild in New Jersey.  
local name: Peppermint.  
locality: Near a stream through Willowood, Gladstone, NJ.  
remarks: MJM: flat leaved, glaucous and weak odored. Terminal flowers and male sterile, weak peppermint odor.  
Perennial.  
Wild.  
Plant.

PI 557947  
origin: United States.  
cultivar: Mitcham.  
local name: Peppermint.  
locality: Kutztown, PA.  
remarks: MJM: Normal appearance and odor, could be a Mitcham CV. Strong peppermint odor, Few anthers, 60% bad pollen.  
Perennial.  
Cultivated.  
Plant.

PI 557948  
origin: United States.  
local name: Peppermint.  
remarks: MJM: glaucous, flat, large leaves with weak peppermint odor, terminal flowers, male sterile.  
Perennial.  
Cultivated.  
Plant.

PI 557949  
origin: Netherlands.  
local name: Peppermint.  
remarks: Hairy, with peppermint odor and terminal flowers, 50% bad pollen.  
Perennial.  
Cultivated.  
Plant.

PI 557950  
origin: United States.  
origin institute: University of New Hampshire, Durham, New Hampshire.  
pedigree: Uncertain, selection from cultivar Mitcham or black pepperm.  
local name: Peppermint.  
remarks: MJM: resembles wild-type piperita with flat leaves, terminal flowers, male sterile, normal peppermint odor.  
Perennial.  
Breeding Material.  
Plant.

PI 557951  
origin: United Kingdom.  
pedigree: Collected from the wild in England.  
local name: Peppermint.  
locality: Alfrick, Worcester.  
remarks: MJM: terminal flowers, male sterile, stem very hairy but leaves less so, menthone & some menthol, strange odor. 6x?.  
Perennial.  
Wild.  
Plant.
PI 557952  
**origin:** Brazil.  **local name:** Peppermint.  **remarks:** Very vigorous with a lavender odor due to linalool and linalyl acetate, male sterile, somewhat seed sterile. Perennial. Breeding Material. Plant.

PI 557953  
**origin:** Mexico. **historical origin:** Brazil. **pedigree:** Possibly originally selected from the wild in Mexico (?).  
**local name:** Peppermint. **remarks:** MJM: Odor weak spearmint, stem large, slightly hairy, leaves very shiny, not hairy, large and thick, +/- 6x chromosome #. Perennial. Breeding Material. Plant.

PI 557954  
**origin:** United States.  **origin institute:** A.M. Todd Co., Kalamazoo, Michigan.  **cultivar:** Todd's Mitcham.  
**pedigree:** Selection No. 58.  **local name:** Peppermint.  
**other id:** CV-1.  **source:** Crop Sci. 12(1):128 1972.  
**group:** CSR-PEPPERMINT. **remarks:** Released Jan 6, 1972. Verticillium wilt resistant. Perennial. Cultivar. Plant.

PI 557955  
**origin:** United States.  **origin institute:** A.M. Todd Co., Kalamazoo, Michigan.  **cultivar:** Murray Mitcham.  
**pedigree:** Sel. #3202.  **local name:** Peppermint.  
**other id:** CV-2.  **source:** Crop Sci. 17(1):188 1977.  
**group:** CSR-PEPPERMINT. **remarks:** High resistance to Verticillium wilt but greatly dwarfed. Perennial. Breeding Material. Plant.

PI 557956 to 557965. *Mentha x piperita* L. LAMIACEAE Mint

**Donated by:** Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received July 07, 1983.

PI 557956  
**origin:** United States.  **local name:** Blackstem Peppermint. Perennial. Cultivated. Plant.

PI 557957  
**origin:** United States.  **origin institute:** A.M. Todd Co., Kalamazoo, Michigan.  **cultivar:** 79-337C.  **pedigree:** Selection 1421, clonal start from 10377.  
**local name:** Peppermint. **remarks:** Moderate Verticillium resistance, higher yield but oil quality less desirable. Perennial. Breeding Material. Plant.

PI 557958  
**origin:** United States.  **origin institute:** A.M. Todd Co., Kalamazoo, Michigan.  **pedigree:** Sel. 1265 (2n) of Irradiated Mitcham.  
**local name:** Peppermint. **remarks:** High resistance to Verticillium wilt but greatly dwarfed. Perennial. Breeding Material. Plant.


PI 557966 to 557967. Mentha x piperita L. LAMIACEAE Mint

Donated by: Reckin, J., Experimental Garden, Werbellin, Germany. Received April 21, 1988.

PI 557966 to 557967-continued


PI 557968.  Mentha x piperita L.  LAMIACEAE  Mint

Donated by: Postman, M., Maryland, United States.  Received March 08, 1989.


PI 557969.  Mentha x piperita L.  LAMIACEAE  Mint

Donated by: Glausi, J., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States.  Received April 14, 1989.


PI 557970.  Mentha x piperita L.  LAMIACEAE  Mint

Donated by: Hummer, K.E., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States.  Received June 19, 1989.


PI 557971 to 557973.  Mentha x piperita L.  LAMIACEAE  Mint

Donated by: Clark, B.J., Oregon State University, Dept. Crop Sciences, Corvallis, Oregon, United States.  Received March 07, 1990.

PI 557972
**origin:** United States. **cultivar:** Murray Mitcham Peppermint. **local name:** Peppermint. Perennial. Cultivar. Plant.

PI 557973
**origin:** United States. **cultivar:** Todd Mitcham Peppermint. **local name:** Peppermint. Perennial. Cultivar. Plant.

PI 557974. Mentha x piperita L. LAMIACEAE Mint

**Donated by:** Logee's Greenhouses, Danielson, Connecticut, United States. Received July 05, 1990.

**origin:** United States. **origin institute:** Logee's Greenhouses, 141 North Street, Danielson, Connecticut 06239. **pedigree:** Uncertain, possibly a sport or mutation. **remarks:** Cream mottling against deep green foliage, deep, crisp peppermint flavor. Shade and partial shade perennial. Perennial. Cultivated. Plant.

PI 557975. Mentha x piperita L. LAMIACEAE Mint

**Donated by:** Chambers, H.L., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received October 11, 1990.

**origin:** United States. **pedigree:** Collected from the wild in Oregon. **local name:** Peppermint. **collected:** October 07, 1990. **locality:** Jackson Co., creek bed of Wolf Creek at Wolf Creek Co. Park. **latitude:** 42 deg. 50 min. N. **longitude:** 122 deg. 30 min. W. **remarks:** May be escape from cultivated material. Perennial. Wild. Cutting.

PI 557976 to 557983. Mentha x piperita L. LAMIACEAE Mint

**Donated by:** Conservatoire Nat'l des PMAI, Milly-la-Forêt, France. Received October 01, 1991.

PI 557976 **origin:** Hungary. **historical origin:** France. **origin institute:** Conservatoire Nat'l des PMAI, Milly-la-Forêt. **cultivar:** Hongrie. **pedigree:** Uncertain, probably a selection from the wild. **remarks:** Origin: Hungary. Perennial. Breeding Material. Cutting.

PI 557977 **origin:** Italy. **historical origin:** France. **origin institute:** INRA, Antibes. **cultivar:** 49 Pessione. **pedigree:** Uncertain, probably a selection from the wild. **remarks:** Origin: Pessione, Italy. Perennial. Breeding Material. Cutting.
PI 557976 to 557983-continued


PI 557984. Mentha x piperita nsubsp. pyramidalis (Ten.) R. Harley  LAMIACEAE  Mint

  Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 557985 to 557996. Mentha x piperita subsp. citrata (Ehrh.) Briq.  LAMIACEAE  Mint

  Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.
PI 557985  origin: UNKNOWN. historical origin: United States.  
pedigree: Probably a selection from European stock (strain 1).  
local name: Bergamot Mint, Lemon Mint.  

pedigree: Selection from Hermiston, Oregon (strain 2).  


PI 557988  origin: UNKNOWN. historical origin: United States.  
origin institute: Oregon State University, Corvallis, Oregon.  

PI 557989  origin: United States. pedigree: Collected from the wild in Michigan.  

PI 557990  origin: United States. pedigree: Collected from the wild in Michigan (strain 6).  
local name: Bergamot Mint, Lemon Mint. locality: Allegan County, on the shore of a lake. remarks: Green stemmed, erect, vigorous, with nearly white flowers male sterile but seed fertile, I1ili2i2. Perennial. Wild. Plant.

PI 557991  origin: United Kingdom. pedigree: Collected from the wild in England.  
PI 557985 to 557996-continued

PI 557992  
**origin:** United Kingdom. **pedigree:** Collected from the wild in England. **local name:** Bergamot Mint, Lemon Mint. 
**remarks:** Similar to CMEN 122 but a different strain. Male sterile, seed fertile, genotype Ilili2i2. Perennial. Wild. Plant.

PI 557993  
**origin:** United States. **cultivar:** Eau de Cologne. **local name:** Bergamot Mint, Lemon Mint. 
**remarks:** MJM: citrata odor, large leaves, male sterile, seed fertile, camphoraceous odor, complex genotype, unusual strain. Perennial. Cultivated. Plant.

PI 557994  
**origin:** UNKNOWN. **historical origin:** Brazil. **pedigree:** Uncertain, probably a selection from European stock. 
**local name:** Bergamot Mint, Lemon Mint. 
**remarks:** Normal citrata odor, not camphoraceous, genotype may be IlilI2i2. Perennial. Breeding Material. Plant.

PI 557995  
**origin:** Switzerland. **local name:** Bergamot Mint, Lemon Mint. 
**remarks:** MJM: strong citrata odor, probably an octoploid male sterile, not studied in crosses. Perennial. Cultivated. Plant.

PI 557996  
**origin:** United States. **local name:** Bergamot Mint, Lemon Mint. 
**remarks:** MJM: citrata odor, resembles diploid 10185. May be 6x or 8x. Perennial. Cultivated. Plant.

PI 557997. *Mentha x piperita* subsp. *citrata* (Ehrh.) Briq. LAMIACEAE Mint

**Donated by:** Owen Farms, Ripley, Tennessee, United States. Received March 11, 1991. 

**origin:** United States. **origin institute:** Owen Farms, Rt. 3 Box 158-A, Ripley, Tennessee 38063. **cultivar:** Orange Mint. Perennial. Cultivar. Plant.

PI 557998 to 558000. *Mentha x rotundifolia* (L.) Hudson LAMIACEAE Mint

**Donated by:** Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.

**origin:** United States. **historical origin:** United States. 
**origin institute:** A.M. Todd Co., Kalamazoo, Michigan. 
**local name:** Applemint. 

PI 558001 to 558003. Mentha x smithiana R. A. Graham LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 558004 to 558005. Mentha x verticillata L. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 558006 to 558008. Mentha x villosa Hudson LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 558009 to 558015. Mentha x villosa var. alopecuroides (Hull) Briq. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1983.


PI 558009 to 558015-continued


PI 558016 to 558017. Mentha x villosa var. alopecuroides (Hull) Briq. LAMIACEAE Mint

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon, United States. Received July 07, 1983.


PI 558018. Mentha x villosa var. alopecuroides (Hull) Briq. LAMIACEAE Mint

Donated by: Gilly, G., INRA, Antibes, France. Received June 26, 1989.


PI 558019. Solanum acaule Bitter SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received .


PI 558020 to 558024. Solanum acaule Bitter SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 1983.
PI 558020 to 558024-continued


PI 558022  origin: Argentina.  collected: March 27, 1983.  collector id: Oka 7536.  locality: Rosario de Lerma.  Guayar, Puesto de Las Lajas, between Ovejeria and San Jose, about 1.5 days from Castellanos.  latitude: 65 deg. 35 min.  longitude: 24 deg. 36 min.  elevation: 3650m.  remarks: Side of cultivated field by stone wall.  Wild.  Seed.


PI 558025 to 558028.  Solanum acaule Bitter  SOLANACEAE  Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  
Received June 1984.


PI 558027  
**origin:** Argentina.  **collected:** April 17, 1983.  **collector id:** Oka 7632 A.  **locality:** Oran.  Trail from Palca de Aparzo to Santa Cruz, about six hours from the road by mule.  **latitude:** 64 deg. 59 min..  **longitude:** 23 deg. 09 min..  **elevation:** 3600m.  **remarks:** Side of path.  Wild.  Seed.

PI 558028  
**origin:** Argentina.  **collected:** April 20, 1983.  **collector id:** Oka 7636 B.  **locality:** Oran.  El Remate, above Santa Cruz.  **latitude:** 64 deg. 55 min..  **longitude:** 23 deg. 12 min..  **elevation:** 2900m.  Wild.  Seed.

PI 558029. Solanum acaule Bitter subsp. acaule SOLANACEAE Potato  
**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  **Received:** October 1983.

**origin:** Argentina.  **collected:** April 10, 1983.  **collector id:** Oka 7434.  **locality:** San Carlos.  11 km south of route 59, road to Mina Don Otto.  **latitude:** 65 deg. 54 min..  **longitude:** 23 deg. 17 min..  **elevation:** 3100m.  Wild.  Seed.

PI 558030. Solanum acaule Bitter subsp. acaule SOLANACEAE Potato  
**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  **Received:** June 1984.

**origin:** Argentina.  **collected:** April 28, 1983.  **collector id:** Oka 7659 C.  **locality:** Rosario de Lerma.  Between Cienaga and Cerro Negro, 29 km east from the crossing with route 59.  **latitude:** 65 deg. 54 min..  **longitude:** 25 deg. 07 min..  **elevation:** 3700m.  Wild.  Seed.

PI 558031. Solanum acaule subsp. albicans (Ochoa) Hawkes SOLANACEAE Potato  
**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  **Received:**

**origin:** Peru.  **collector id:** Och 12093.  Wild.  Tuber.
PI 558032. Solanum achacachense Cardenas SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received 1989.


PI 558033. Solanum berthaultii Hawkes SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received March 1981.


PI 558034 to 558036. Solanum berthaultii Hawkes SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received May 1984.

**PI 558034**

**PI 558035**

**PI 558036**

PI 558037 to 558040. Solanum brevidens Philippi SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received.

**PI 558037**

**PI 558038**

**PI 558039**

**PI 558040**
PI 558041. Solanum cardiophyllum Lindley SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received August 1986.


PI 558042 to 558044. Solanum chacoense Bitter SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 1983.


PI 558045 to 558047. Solanum colombianum Dunal SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received March 1982.

PI 558045 origin: Colombia. collector id: LOPEZ 80.0072. Wild. Seed.

PI 558046 origin: Colombia. collector id: LOPEZ 80.0074. Wild. Seed.

PI 558047 origin: Colombia. collector id: LOPEZ 80.0076. Wild. Seed.
PI 558048 to 558050. Solanum commersonii Dunal ex Poiret SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received.

PI 558048  
**origin:** Argentina.  
**collector id:** Bru 4.  
**Wild. Seed.**

PI 558049  
**origin:** Argentina.  
**collector id:** Bru 5.  
**Wild. Seed.**

PI 558050  
**origin:** Argentina.  
**collector id:** Bru 020.  
**Wild. Seed.**

PI 558051. Solanum demissum Lindley SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 1989.

**origin:** Mexico.  
**collector id:** Hje 7259.  
**Wild. Seed.**

PI 558052. Solanum demissum Lindley SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received May 1970.

**origin:** Mexico.  
**collector id:** K 2761.  
**Wild. Seed.**

PI 558053 to 558056. Solanum etuberosum Lindley SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received.

PI 558053  
**donor id:** UA-1317.  
**origin:** Chile.  
**collector id:** UAC 1317.  
**other id:** Q 27650.  
**Wild. Seed.**

PI 558054  
**donor id:** UA-1318.  
**origin:** Chile.  
**collector id:** UAC 1318.  
**other id:** Q 27654.  
**Wild. Seed.**

PI 558055  
**donor id:** UA-1434.  
**origin:** Chile.  
**collector id:** UAC 1434.  
**other id:** Q 27656.  
**Wild. Seed.**

PI 558056  
**donor id:** UA-1625.  
**origin:** Chile.  
**collector id:** UAC 1625.  
**other id:** Q 27657.  
**Wild. Seed.**
PI 558057 to 558059. Solanum fendleri A. Gray SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received 1989.


PI 558060. Solanum fendleri A. Gray SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received May 1970.


PI 558061. Solanum gourlayi Hawkes SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received August 12, 1987.


PI 558062 to 558070. Solanum gourlayi Hawkes SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 1983.


PI 558064  
origin: Argentina.  
collected: April 03, 1983.  
collector id: Oka 7558.  
locality: Capital. Molinos about nine hours northwest of Leon by mule.  
latitude: 65 deg. 38 min.  
longitude: 23 deg. 58 min.  
elevation: 3200m.  
Wild. Seed.

PI 558065  
origin: Argentina.  
collected: April 03, 1983.  
collector id: Oka 7560.  
locality: Capital. Quebrada del Agua de Molinos, near Molinos, about nine hours from Leon by mule.  
latitude: 65 deg. 38 min.  
longitude: 23 deg. 58 min.  
elevation: 3550m.  

PI 558066  
origin: Argentina.  
collected: April 03, 1983.  
collector id: Oka 7565.  
locality: Capital. Quebrada de Tolara, 1 km from Molinos.  
latitude: 65 deg. 38 min.  
longitude: 23 deg. 58 min.  
elevation: 3500m.  

PI 558067  
origin: Argentina.  
collected: April 04, 1983.  
collector id: Oka 7577.  
locality: Capital. Abra de Cerrillos, trail from Molinos to Ovejeria.  
latitude: 65 deg. 40 min.  
longitude: 24 deg. 06 min.  
elevation: 3450m.  

PI 558068  
origin: Argentina.  
collected: April 08, 1983.  
collector id: Oka 7588.  
locality: Tilcara. Quebrada de Jueya near Tilcara.  
latitude: 65 deg. 27 min.  
longitude: 23 deg. 30 min.  
elevation: 2700m.  

PI 558069  
origin: Argentina.  
collected: April 08, 1983.  
collector id: Oka 7597.  
locality: Humahuaca. Palca de Aparzo road from Humahuaca to Ciarzo.  
latitude: 65 deg. 11 min.  
longitude: 23 deg. 10 min.  
elevation: 3500m.  
Wild. Seed.

PI 558070  
origin: Argentina.  
collected: April 14, 1983.  
collector id: Oka 7625.  
locality: Tilcara. Abra de Ventura, trail from Tilcara to El Durazno.  
latitude: 65 deg. 17 min.  
longitude: 23 deg. 35 min.  
elevation: 3700m.  
remarks: Stoney dry slopes by path. Wild. Seed.

PI 558071 to 558084. Solanum gourlayi Hawkes SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received June 1984.


PI 558083 origin: Argentina. collected: May 05, 1983. collector id: Oka 7679. locality: Cachi. Sierra de Cachi, Antigal, about eight km south of Las Cuevas. latitude: 66 deg. 23 min. longitude: 25 deg. 06 min. elevation: 3500m. remarks: At the river bank, under bushes. Wild. Seed.

PI 558085 to 558088. Solanum infundibuliforme Philippi SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received June 1984.

PI 558085 *origin:* Argentina. **pedigree:** Oka 7590 B x 7630. 
**collected:** April 08, 1983. **collector id:** Oka 7590 B x 7630. **locality:** 7590 B - Humahuaca. Pucara on the road from Humahuaca to Palca de Aparzo. 7630 - Humahuaca. Quebrada de la Soledad, on the road from Humahuaca to Coraya. **latitude:** 65 deg. 11 min.. **longitude:** 23 deg. 10 min.. **elevation:** 3500m. **remarks:** Side of cultivated fields by stone walls. Wild. Seed.

PI 558086 *origin:* Argentina. **collected:** April 08, 1983. **collector id:** Oka 7602 A. **locality:** Humahuaca. Between Palca de Aparzo and Cianzo. **latitude:** 65 deg. 06 min.. **longitude:** 23 deg. 10 min.. **elevation:** 3400m. **remarks:** Roadside. Wild. Seed.

PI 558087 *origin:* Argentina. **collected:** April 16, 1983. **collector id:** Oka 7630. **locality:** Gumahuaca. Chaupi Rodero, road from Iturbe to Iruya. **latitude:** 65 deg. 19 min.. **longitude:** 22 deg. 56 min.. **elevation:** 3500m. Wild. Seed.

PI 558088 *origin:* Argentina. **collected:** April 25, 1983. **collector id:** Oka 7652 K. **locality:** La Poma. Quebrada de Matanzillas, 8 km west of route 40, 33 km north of San Antonio de los Cobres, between kms 1412 and 1413 fo route 40. **latitude:** 66 deg. 21 min.. **longitude:** 23 deg. 56 min.. **elevation:** 3700m. **remarks:** Steep shaded rocky slopes of a gorge. Berries with green skin and mottled white. Wild. Seed.

PI 558089. Solanum jamesii Torrey SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received May 1986.

**origin:** United States. **collector id:** Coon 1. Wild. Seed.

PI 558090 to 558092. Solanum lycopersicoides Dunal SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received .
PI 558090 to 558092-continued


PI 558091  donor id: CON-704.  origin: Chile.  collector id: Con 704.  other id: Q 27659.  Wild.  Seed.

PI 558092  donor id: CON-705.  origin: Chile.  collector id: Con 705.  other id: Q 27660.  Wild.  Seed.

PI 558093 to 558095. Solanum megistacrolabum Bitter SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received June 1984.


PI 558096. Solanum megistacrolabum Bitter SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received October 1983.

PI 558097 to 558100. Solanum microdontum Bitter SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.

Received October 1983.

PI 558097  
**origin:** Argentina. **collected:** March 26, 1983. **collector id:** Oka 7530. **locality:** Rosario de Lerma. Abra de Tinajas, about 14 hours by mule from Castellanos. **latitude:** 65 deg. 35 min. **longitude:** 24 deg. 37 min. **elevation:** 3350m. **remarks:** Around cattle enclosures and cultivated fields. Wild. Seed.

PI 558098  
**origin:** Argentina. **collected:** March 27, 1983. **collector id:** Oka 7538. **locality:** Rosario de Lerma. Guayar, Puesto de Las Lajas, between Ovejeria and San Jose, about 1.5 days from Castellanos. **latitude:** 65 deg. 35 min. **longitude:** 24 deg. 36 min. **elevation:** 3650m. Wild. Seed.

PI 558099  
**origin:** Argentina. **collected:** April 10, 1983. **collector id:** Oka 7612. **locality:** Tilcara. El Durazno about 13 hours by mule from Tilcara. **latitude:** 65 deg. 14 min. **longitude:** 23 deg. 36 min. **elevation:** 2550m. **remarks:** Side of maize field; bushy slopes. Wild. Seed.

PI 558100  
**origin:** Argentina. **collected:** April 20, 1983. **collector id:** Oka 7634. **locality:** Oran. Santa Cruz about 13 hours from the road by mule. **latitude:** 64 deg. 55 min. **longitude:** 23 deg. 12 min. **elevation:** 2400m. **remarks:** By a stone wall. Wild. Seed.

PI 558101. Solanum microdontum subsp. gigantophyllum (Bitter) Hawkes & Hjert. SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.

Received October 1983.

**origin:** Argentina. **collected:** April 07, 1983. **collector id:** Oka 7587. **locality:** Capital. 2 km below Pie de la Cuesta on the trail from Leon to Ovejeria. **latitude:** 65 deg. 36 min. **longitude:** 24 deg. 06 min. **elevation:** 2550m. **remarks:** Bank of the river, under bushes. Wild. Seed.

PI 558102. Solanum okadae Hawkes & Hjert. SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.

Received October 1983.
PI 558102-continued


PI 558103 to 558105. Solanum okadae Hawkes & Hjert. SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received June 1984.


PI 558104 origin: Argentina. collected: April 05, 1983. collector id: Oka 7584 B. locality: Capital. Falda de Sombra, trail from Ovejeria to Leon, about seven hours from Leon by mule. latitude: 65 deg. 38 min.. longitude: 24 deg. 07 min.. elevation: 3150m. Wild. Seed.


PI 558106. Solanum oplocense Hawkes SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received March 1979.


PI 558107 to 558110. Solanum oplocense Hawkes SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received June 1984.


PI 558111. Solanum paucijugum Bitter SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received.

origin: Colombia. collector id: CCC 5174. Wild. Seed.

PI 558112. Solanum phureja Juz. & Buk. SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received.


PI 558113 to 558116. Solanum rickii Correll SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received.
PI 558113

**PI 558113**

**donor id:** CON-723.  **origin:** Chile.  **collector id:** Con 723.  **other id:** Q 27661.  Wild.  Seed.

PI 558114

**PI 558114**

**donor id:** CON-724.  **origin:** Chile.  **collector id:** Con 724.  **other id:** Q 27662.  Wild.  Seed.

PI 558115

**PI 558115**

**donor id:** CON-725.  **origin:** Chile.  **collector id:** Con 725.  **other id:** Q 27663.  Wild.  Seed.

PI 558116

**PI 558116**

**donor id:** CON-726.  **origin:** Chile.  **collector id:** Con 726.  **other id:** Q 27664.  Wild.  Seed.

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PI 558117 to 558123. Solanum sp. SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.

**Received June 1984.**

PI 558117

**origin:** Argentina.  **pedigree:** Oka 7608 A x 7616.  
**collected:** April 12, 1983.  **collector id:** Oka 7608 A x 7616.  **locality:** 7616 - Tilcara.  Las Abritas above El Durazno.  **latitude:** 65 deg. 11 min..  **longitude:** 23 deg. 36 min..  **elevation:** 3100m.  **remarks:** Grassy slopes.  Wild.  Seed.

PI 558118

**origin:** Argentina.  **collected:** April 13, 1983.  **collector id:** Oka 7618 A.  **locality:** Tilcara. Piscuno, about three hours, above El Durazno by mule.  **latitude:** 65 deg. 11 min..  **longitude:** 23 deg. 36 min..  **elevation:** 3100m.  Wild.  Seed.

PI 558119

**origin:** Argentina.  **collected:** April 13, 1983.  **collector id:** Oka 7619 A.  **locality:** Tilcara. Piscuno, about three hours, above El Durazno by mule.  **latitude:** 65 deg. 11 min..  **longitude:** 23 deg. 36 min..  **elevation:** 3100m.  Wild.  Seed.

PI 558120

**origin:** Argentina.  **collected:** April 13, 1983.  **collector id:** Oka 7619 B.  **locality:** Tilcara. Piscuno, about three hours, above El Durazno by mule.  **latitude:** 65 deg. 11 min..  **longitude:** 23 deg. 36 min..  **elevation:** 3100m.  Wild.  Seed.

PI 558121

**origin:** Argentina.  **collected:** March 26, 1983.  **collector id:** Oka 7531.  **locality:** Rosario de Lerma. Abra de Tinajas, about 14 hours by mule from Castellanos.  **latitude:** 65 deg. 35 min..  **longitude:** 24 deg. 37 min..  **elevation:** 3350m.  **remarks:** Grassy slopes, amongst stones.  Wild.  Seed.
PI 558122  

PI 558123  
origin: Argentina.  collected: April 19, 1983.  collector id: Oka 7633.  locality: Oran.  Infiernillo about eight hours from the road by mule.  latitude: 64 deg. 56 min..  longitude: 23 deg. 10 min..  elevation: 3500m.  remarks: Steep, rocky, southern slopes.  Wild.  Seed.

PI 558124 to 558128. Solanum sp. SOLANACEAE Potato  
Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  Received .


PI 558129 to 558130. Solanum tarijense Hawkes SOLANACEAE Potato  
Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  Received October 1983.

PI 558129 to 558130-continued


PI 558131 to 558135. Solanum tuberosum L.  SOLANACEAE  Potato

Donated by:  Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  Received May 1970.


PI 558136. Solanum tuberosum L.  SOLANACEAE  Potato

Donated by:  Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. 


PI 558137 to 558139. Solanum tuberosum L.  SOLANACEAE  Potato

Donated by:  Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. 

Received October 1983.


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PI 558140. Solanum tuberosum subsp. andigena Hawkes SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received .

origin: Bolivia. collector id: Car 165. other id: Q 26926. other id: BE-9776. received as: S. andigena. Cultivated. Tuber.

PI 558141 to 558145. Solanum tuberosum subsp. andigena Hawkes SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received October 1983.


PI 558141 to 558145-continued

PI 558145


PI 558146. Solanum venturii Hawkes & Hjert. SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received June 1984.


PI 558147 to 558151. Solanum vernei Bitter & Wittm. SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 1983.

PI 558147


PI 558148


PI 558149


PI 558152 to 558159. Solanum acaule subsp. aemulans (Bitter & Wittm.) Hawkes & Hjert. SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received January 10, 1991.


PI 558153 origin: Argentina. collected: April 06, 1990. collector id: SCI 4591. locality: Famatina. On road from Corrales to Mina La Majicana, 2.5 km S of Cuevas de Norona, on SE side of Rio Amarillo. latitude: 28 deg. 56 min.. longitude: 67 deg. 40 min.. elevation: 2940m. remarks: In rocky clay soil, growing with Stipa, Senecio rudbeckiaefolius. Plants complete withered, mature fruits common on ground; Plants abundant. Wild. Seed.

PI 558154 origin: Argentina. collected: April 06, 1990. collector id: SCI 4592. locality: Famatina. 4.5 km S of Cuevas de Norona, on road from Corrales to Mina La Mejicana, on SE side of Rio Amarillo. latitude: 28 deg. 57 min.. longitude: 67 deg. 35 min.. elevation: 3050m. remarks: In heavily grazed field, among cow dung, in rocky clay soil, growing with Senecio rudbeckiaefolius, Bacharis species. Plants completely withered, mature fruits common on ground, plants abundant. Wild. Seed.
PI 558155

PI 558156

PI 558157

PI 558158
origin: Argentina. collected: April 07, 1990. collector id: SCI 4597. locality: Chilecito. 0.3 km downhill of km 25, at La Cuesta Amarilla, on E side of Rio Amarillo. latitude: 28 deg. 59 min. longitude: 67 deg. 43 min. elevation: 3610m. remarks: Plants almost dead, growing in shallow rocky soil by road-side. Highest elevation this plant was encountered in area. Wild. Seed.

PI 558159
origin: Argentina. collected: April 08, 1990. collector id: SCI 4598. locality: Famatina. At Cuevas de Norona, along Corrvaales-Mina La Mejicana road. latitude: 28 deg. 55 min. longitude: 67 deg. 40 min. elevation: 2800m. remarks: Growing among cow dung with Mutisia kurtzii, Senecio rudbeckiaefolius, Stipa, Salvia. Plants rare here, leaves withered, only mature fruits found on ground; resident of caves says he eats the fruit as they are very sweet. Wild. Seed.

PI 558160 to 558182. Solanum brevidens Philippi SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula-Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received January 10, 1991.


collector id: SCI 4519. locality: Huiliches. On dirt road on N side of Lago Lacar, on way to Hua-Hum, 24.5 km W of route 234, just N of San Martin de Los Andes. latitude: 40 deg. 08 min.. longitude: 71 deg. 31 min.. elevation: 915m. remarks: Roadside, near drainage ditch, under Nothofagus, Chusquea, Prunella vulgaris. Flowers gone. Wild. Seed.

collector id: SCI 4520. locality: On dirt road on N side of Lago Lacar, on way to Hua-Hum, 28.2 km W of route 234 just N of San Martin de Los Andes. latitude: 40 deg. 08 min.. longitude: 71 deg. 33 min.. elevation: 790m. remarks: Roadside, near drainage ditch, with Nothofagus, Chusquea, Alstroemeria ligtu, Sonchus. Flowers gone. Wild. Seed.

collector id: SCI 4521. locality: On N side of dirt road on NE side of Lago Monthue 42 km W of route 234, 7.9 km W of Arroyo Quechequina, on route 234 just N of San Martin de Los Andes, 2.7 km E of aduana station. latitude: 40 deg. 07 min.. longitude: 71 deg. 38 min.. elevation: 700m. remarks: Wet ditch with Chusquea, Fuchsia magellanica, Nothofagus, Phalaris arundinacea. Plants dispersing fruits and dropping leaves. Wild. Seed.
collector id: SCI 4522. locality: In stream just above waterfall at quila quina, on S side of Lago Lacar, SW of San Martin de Los Andes.  latitude: 40 deg. 11 min..  longitude: 71 deg. 27 min..  elevation: 730m.  

collector id: SCI 4524. locality: On S side of Lago Curruhue, 25.9 km W of junction of road on S side of this lake to Chile border at Puerto Cararrine and road to San Martin de Los Andes.  latitude: 39 deg. 51 min..  longitude: 71 deg. 29 min..  elevation: 1100m.  
remarks: In arroyo on both sides of rd; with Nothofagus, Chusquea, Fuschia maglenica. Plants in flower, with young and mature fruits present.  Wild.  Seed.

collector id: SCI 4525. locality: On S side of Lago Curruhue, 27.0 km W of junction of road on S side of this lake to Chile border at Puerto Cararrine and road to San Martin de Los Andes.  latitude: 39 deg. 51 min..  longitude: 71 deg. 30 min..  elevation: 1070m.  
remarks: In loamy soil, mature Nothofagus forest by roadside, with Chusquea. Plants out of flower; fruits maturing to mature.  Wild.  Seed.

collector id: SCI 4526. locality: On S side of road to Lago Curruhue, 30.7 km W of junction of road on S side of lake, to Chile border at Puerto Cararrine and road to San Martin de Los Andes.  latitude: 39 deg. 51 min..  longitude: 71 deg. 33 min..  elevation: 1060m.  
remarks: In loamy soil of road cut by side of road, in Nothofagus forest, with Chusquea. Flowers gone, fruits maturing to mature.  Wild.  Seed.

collector id: SCI 4527. locality: On N side of Laguna Verde, on road to Puerto de Carirrine at Chile border, 1.8 km past road on W end Lago Curruhue that divides to Campground and Chile border.  latitude: 39 deg. 50 min..  longitude: 71 deg. 34 min..  elevation: 1040m.  
remarks: By stream cut on S side of road in disturbed loamy soil, in Nothofagus forest, with Chusquea. Flowers, maturing fruits and mature fruit present.  Wild.  Seed.
collector id: SCI 4528. locality: On S side of Laguna Epulafquen, on road to Puerto Carirrine at Chile border, 11.6 km past road on W end of Lago Curruhue that divides to campground and Chile border road. latitude: 39 deg. 49 min. longitude: 71 deg. 37 min. elevation: 950m. remarks: In small arroyo with stream that goes under road, with Nothofagus, Chusquea, Fuschia magelanica. Wild. Seed.

collector id: SCI 4529. locality: Along route 65, 2.5 km E of route 234. latitude: 40 deg. 37 min. longitude: 71 deg. 37 min. elevation: 840m. remarks: In Nothofagus and Chasquea forest, on rotting log. Many other immature plants in area. Wild. Seed.

collector id: SCI 4530. locality: Along route 65, S of Lago Traful, 24.8 km E of Route 234, 0.4 km W of Villa Traful. latitude: 40 deg. 39 min. longitude: 71 deg. 24 min. elevation: 780m. remarks: In mature Nothofagus and Chasquea forest, in a heavily grazed area, in deep organic soils. Flowers and maturing fruits present. Wild. Seed.

collector id: SCI 4531. locality: On an abandoned road just W of route 231, 2.5 km S of Ruca Malen. latitude: 40 deg. 47 min. longitude: 72 deg. 37 min. elevation: 770m. remarks: Roadside, deep loamy soil, in mature Nothofagus forest, with Chusquea. Flowers and young fruits present. Wild. Seed.

collector id: SCI 4533. locality: Lagos. On NE side of route 231, 4.7 km SE of junction of road to Chile to Puerto Puyehue. latitude: 40 deg. 43 min. longitude: 71 deg. 42 min. elevation: 675m. remarks: In loamy soil with Chusquea, by roadcut. Flowers maturing to mature, fruits present. Wild. Seed.

collector id: SCI 4534. locality: Lagos. On N end of Peninsula Quetrihue, just S of Villa la Angostura, ca. 1 km S of entrance to park, along old road. latitude: 40 deg. 47 min. longitude: 71 deg. 40 min. elevation: 750m. remarks: In loamy soil by roadcut, in mature Nothofagus forest. Maturing and mature fruits present. Wild. Seed.
PI 558176  
**origin:** Argentina.  
**collected:** February 23, 1990.  
**collector id:** SCI 4535.  
**locality:** Lagos. Along route 231, 8.2 km NW of Arroyo de la Estacada, just NW of Puerto Manzano, SE of Villa La Angostura.  
**latitude:** 40 deg. 48 min..  
**longitude:** 71 deg. 37 min..  
**elevation:** 730m.  
**remarks:** Growing on fallen rotten Nothofagus trunks in shaded Nothofagus forest. Flowers gone, fruits maturing to matured. Wild. Seed.

PI 558177  
**origin:** Argentina.  
**collected:** February 23, 1990.  
**collector id:** SCI 4536.  
**locality:** Lagos. Along route 231, 5.7 km NW of Arroyo de la Estacada, just SE of Puerto Manzano, SE of Villa La Angostura.  
**latitude:** 40 deg. 49 min..  
**longitude:** 71 deg. 35 min..  
**elevation:** 675m.  
**remarks:** In loamy soil among branches of fallen tree, in clearing by road in area of mature Nothofagus forest. Flowers maturing and mature fruits present. Wild. Seed.

PI 558178  
**origin:** Argentina.  
**collected:** February 23, 1990.  
**collector id:** SCI 4537.  
**locality:** Lagos. Along route 231, 7.1 km NW of Arroyo de la Estacada, by Puerto Manzano, SE of Villa La Angostura.  
**latitude:** 40 deg. 48 min..  
**longitude:** 71 deg. 37 min..  
**elevation:** 685m.  
**remarks:** Among fallen logs in cleared area by road, in loamy soil, in area of mature Nothofagus forest. Flowers and maturing fruits present. Wild. Seed.

PI 558179  
**origin:** Argentina.  
**collected:** February 24, 1990.  
**collector id:** SCI 4538.  
**locality:** Lagos. On NE side of route 231, 1.6 km SE of Arroyo de la Estacada, SE of Villa La Angostura.  
**latitude:** 40 deg. 51 min..  
**longitude:** 71 deg. 33 min..  
**elevation:** 700m.  
**remarks:** In partially logged and heavily grazed arroyo in Nothofagus forest, in deep loamy soil. Maturing and mature fruits present. Wild. Seed.

PI 558180  
**origin:** Argentina.  
**collected:** February 24, 1990.  
**collector id:** SCI 4539.  
**locality:** Lagos. On NE side of route 231, 1.4 km SE of Arroyo de la Estacada, SE of Villa La Angostura.  
**latitude:** 40 deg. 51 min..  
**longitude:** 71 deg. 33 min..  
**elevation:** 710m.  
**remarks:** In partially logged and heavily grazed arroyo, in Nothofagus forest, in deep loamy soil in Nothofagus forest area. Maturing to mature fruits present. Wild. Seed.
PI 558160 to 558182-continued

PI 558181  
*origin:* Argentina.  
*collected:* February 24, 1990.  
*collector id:* SCl 4540.  
*locality:* Lagos.  
On NE side of route 231, 3.9 km SE of Arroyo de la Estacada, SE of Villa la Angostura.  
*latitude:* 40 deg. 51 min..  
*longitude:* 71 deg. 32 min..  
*elevation:* 680m.  
*remarks:*  
In arroyo on side of road, open sun, deep loamy soil growing with Berberis, Fuschia magelanica, Rosa, in Nothofagus woods.  Maturing and mature fruits present.  
Wild.  Seed.

PI 558182  
*origin:* Argentina.  
*collected:* February 24, 1990.  
*collector id:* SCl 4541.  
*locality:* Lagos.  
On NE side of route 231, 8.1 km SE of Arroyo de la Estacada, SE of Villa la Angostura.  
*latitude:* 40 deg. 52 min..  
*longitude:* 71 deg. 30 min..  
*elevation:* 680m.  
*remarks:*  
In open sun in arroyo, in deep loamy soil, in Nothofagus forest area.  
Wild.  Seed.

PI 558183 to 558184.  
**Solanum chacoense** Bitter  
**SOLANACEAE**  
Potato

*Donated by:* Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  
*Received January 10, 1991.*

PI 558183  
*origin:* Argentina.  
*collected:* February 04, 1990.  
*collector id:* SCl 4499.  
*locality:* On E side of Route 11, 0.5 km N of junction of this route and route 36, S of Punta Piedras.  
*latitude:* 35 deg. 50 min..  
*longitude:* 57 deg. 10 min..  
*elevation:* 5m.  
*remarks:*  
Flowers creamy-white, fruits absent.  
Wild.  Tuber.

PI 558184  
*origin:* Argentina.  
*collected:* April 06, 1990.  
*collector id:* SCl 4585.  
*locality:* Chilecito.  
SW floodplain of Rio Amarillo, at Las Higueras, 16.6 km NW of town square of Chilecito.  
*latitude:* 29 deg. 08 min..  
*longitude:* 67 deg. 38 min..  
*elevation:* 1620m.  
*remarks:*  
Under shade of walnut plantation.  Plant abundant in area, flowers gone, fruits abundant.  
Wild.  Seed.

PI 558185 to 558208.  
**Solanum kurtzianum** Bitter & Wittm.  
**SOLANACEAE**  
Potato

*Donated by:* Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  
*Received January 10, 1991.*
PI 558185 origin: Argentina. collected: February 09, 1990. collector id: SCI 4504. locality: Las Heras. On a dirt road 8 km E of junction of road to Villavicencio, on way to Quebrada de Las Higueras; road begins 11.5 km SE of Villavicencio. latitude: 32 deg. 36 min.. longitude: 68 deg. 52 min.. elevation: 1180m. remarks: Growing in sandy and rocky soil among Opuntia, in area of Larrea divaricata; area recently burned. Flowers white, sometimes streaked with blue below; fruits absent. Wild. Tuber.

PI 558186 origin: Argentina. collected: February 09, 1990. collector id: SCI 4505. locality: Las Heras. Near dirt road, 10 km E of junction of road to Villavicencio, on way to Quebrada de Las Higueras; road begins 11.5 km SE of Villavicencio. latitude: 32 deg. 34 min.. longitude: 68 deg. 52 min.. elevation: 1185m. remarks: In recently excavated soil. Flowers white, sometimes streaked with blue below; fruits absent. Wild. Tuber.

PI 558187 origin: Argentina. collected: March 28, 1990. collector id: SCI 4544. locality: Las Heras. 0.3 km NE of road which begins 9.6 km SE of Villavicencio, and loops to the N of this site. latitude: 32 deg. 32 min.. longitude: 68 deg. 57 min.. elevation: 680m. remarks: Edge of dry wash in Larrea desert. Flowers with petals white, fruits maturing to mature. Wild. Seed.

PI 558188 origin: Argentina. collected: March 28, 1990. collector id: SCI 4545. locality: Las Heras. 1.8 km NE of road which begins 9.6 km SE of Villavicencio, and loops to the N of this site. latitude: 32 deg. 32 min.. longitude: 68 deg. 57 min.. elevation: 700m. remarks: Among Larrea bushes. Plants common, flowers with petals white above, sometimes streaked with blue below, fruits maturing to mature. Wild. Seed.

PI 558189 origin: Argentina. collected: March 28, 1990. collector id: SCI 4546. locality: Las Heras. 10.3 km NE of road which begins 9.6 km SE of Villavicencio, and loops to the N of this site. latitude: 32 deg. 28 min.. longitude: 68 deg. 56 min.. elevation: 1480m. remarks: In Larrea desert with Schinus roigii. Flowers with petals white above, sometimes streaked with blue below, fruits maturing to mature. Wild. Seed.
PI 558190  
**origin:** Argentina.  
**collected:** March 28, 1990.  
**collector id:** SCI 4547.  
**locality:** Las Heras.  
12.1 km NE of road which begins 9.6 km SE of Villavicencio, and loops to the N of this site.  
**latitude:** 32 deg. 27 min.  
**longitude:** 68 deg. 55 min.  
**elevation:** 1600m.  
**remarks:** In Larrea desert. Flowers with petals white, sometimes streaked with blue below, fruits maturing to mature. Wild. Seed.

PI 558191  
**origin:** Argentina.  
**collected:** March 28, 1990.  
**collector id:** SCI 4548.  
**locality:** Las Heras.  
Pampa del Lenador, on dirt road 13.9 km N of road which begins 9.6 km SE of Villavicencio, 0.7 km N of junction of 2 dirt roads on the easternmost dirt road.  
**latitude:** 32 deg. 26 min.  
**longitude:** 68 deg. 56 min.  
**elevation:** 1600m.  
**remarks:** Petals white above, white streaked with blue below. In moist, sandy, rocky soil of shallow wash across the road, growing under Larrea divaricata, Schinus, Berberis; grasses. Wild. Seed.

PI 558192  
**origin:** Argentina.  
**collected:** March 28, 1990.  
**collector id:** SCI 4549.  
**locality:** Las Heras.  
Pampa del Lenador, on dirt road 15.5 km N of junction of road to Villavicencio, which begins 9.6 km SE of Villavicencio, 1.6 km N of junction of 2 dirt roads, on the easternmost dirt road.  
**latitude:** 32 deg. 25 min.  
**longitude:** 68 deg. 57 min.  
**elevation:** 1660m.  
**remarks:** Petals white above, white or streaked with blue below. In moist, sandy, rocky soil of shallow wash across the road, growing under Larrea divaricata, Schinus, Berberis; grasses. Wild. Seed.

PI 558193  
**origin:** Argentina.  
**collected:** March 28, 1990.  
**collector id:** SCI 4550.  
**locality:** Las Heras.  
On dirt road to Quebrada del Toro, 16.3 km N of junction of road which begins 9.6 km SE of Villavicencio, 3.1 km N of junction of two dirt roads, on the westernmost road.  
**latitude:** 32 deg. 26 min.  
**longitude:** 68 deg. 58 min.  
**elevation:** 1770m.  
**remarks:** Under Larrea divaricata, along sides of a small arroyo. Petals white above, white or streaked with blue below. Wild. Seed.

PI 558194  
**origin:** Argentina.  
**collected:** March 28, 1990.  
**collector id:** SCI 4551.  
**locality:** Las Heras.  
On the loop road N of Villavicencio, which begins 9.6 km SE of Villavicencio, 21.8 km N and then W of this road, 8.6 km NW of junction of 2 dirt roads.  
**latitude:** 32 deg. 27 min.  
**longitude:** 68 deg. 59 min.  
**elevation:** 2050m.  
**remarks:** In Larrea desert, with Berberis, Stipa. Flowers with petals white above, sometimes streaked with blue below, fruits maturing. Wild. Seed.


PI 558199  origin: Argentina. collected: March 30, 1990. collector id: SCI 4560. locality: Las Heras. On dirt road to San Isidro (just NW of Mendoza), 0.5 km from road to Mendoza to Cerro la Gloria on road to San Isidro. latitude: 32 deg. 47 min. longitude: 69 deg. 03 min. elevation: 1005m. remarks: Growing with Opuntia, Larrea cuneifolia, in sandy and stony soil. Petals white, fruits maturing to mature. Wild. Seed.

PI 558200  origin: Argentina. collected: March 30, 1990. collector id: SCI 4561. locality: Las Heras. 0.1 km upstream of creek bed, off of dirt road to San Isidro (just NW of Mendoza); the creek bed and road junction is 4.8 km from road from Mendoza onto Cerro La Gloria on road to Cerro San Isidro. latitude: 32 deg. 44 min. longitude: 69 deg. 03 min. elevation: 1330m. remarks: Growing under Schinus bushes in sandy soil. Flowers white above, sometimes streaked with blue below. Wild. Seed.


PI 558203  origin: Argentina.  collected: April 03, 1990.  collector id: SCI 4570.  locality: Chilecito.  At Los Nogales, 1.3 km W of Los Bordos S of Los Manzanos, N of Sanogasta.  latitude: 29 deg. 15 min..  longitude: 67 deg. 40 min..  elevation: 1760m.  remarks: Growing among rocks in enclosed old garden. Petals white, fruits maturing to mature, interjected leaflets present or absent on different leaves of individual plants. Also collected as tubers. Wild. Seed.


PI 558207 origin: Argentina. collected: April 04, 1990. collector id: SCI 4576. locality: Chilcito. On road to Guanchin Viejo, 1 km from church at intersection of road to Guanchin and Los Manzanos. latitude: 29 deg. 11 min.. longitude: 67 deg. 38 min.. elevation: 1680m. remarks: Growing under Schinus, with Acacia caven, Zaluzania. No flowers or fruits seen, plants very rare here. Wild. Tuber.


PI 558209 to 558212. Solanum microdontum Bitter SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received January 10, 1991.


PI 558211 origin: Argentina. collected: April 10, 1990. collector id: SCI 4612. locality: Andalgala. 100 m off roadside, 5.1 km S of Province of Tucuman border on road to Buena Vista. latitude: 27 deg. 21 min.. longitude: 65 deg. 58 min.. elevation: 1900m. remarks: In shaded Alnus forest, with Bidens, Duchnesea, Begonia, Juncus, ferns. Plants common, flowers gone and fruits mature. Wild. Seed.

PI 558212 origin: Argentina. collected: April 10, 1990. collector id: SCI 4614. locality: Chicligasta. 10 m N of Province of Catamarca border, behind stone altitude marker next to road, on road from Aconquija to Concepcion. latitude: 27 deg. 20 min.. longitude: 65 deg. 57 min.. elevation: 1846m. remarks: Shaded area by roadside in moist soil. Wild. Seed.

PI 558213 to 558219. Solanum microdontum subsp. gigantophyllum (Bitter) Hawkes & Hjert. SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received January 10, 1991.

PI 558213 origin: Argentina. collected: April 05, 1990. collector id: SCI 4583. locality: Chilcito. On road from Chilcito to El Vallecito, 10.2 km NW of town square of Chilcito, 2.2 km NW of Santa Florentina school yard. latitude: 29 deg. 08 min.. longitude: 67 deg. 37 min.. elevation: 1520m. remarks: In sandy, mucky soil by drainage ditch on roadside, with Acacia caven, Nicotiana glauca, Stipa, Bidens. No flowers or fruits seen, tubers white, not pink as in all other populations seen in area. Wild. Tuber.

PI 558214 origin: Argentina. collected: April 11, 1990. collector id: SCI 4615. locality: Andalgala. At Arroyo de Casa de Piedra, an arroyo N of Rio Chacras, NW of Yunka Suma, which is on the NW corner of the Rio Chacras intersection with the Buena Vista - Concepcion Road. latitude: 27 deg. 21 min.. longitude: 66 deg. 00 min.. elevation: 2000m. remarks: In moist organic soil under Alnus. Flowers gone, one fruit found. Also collected as tubers. Wild. Seed.
PI 558215  

PI 558216  
origin: Argentina. collected: April 12, 1990. collector id: SCL 4629. locality: Andalgala. E of Rio El Campo, 2.7 km N of bridge crossing beginning just N of Las Rosas, where stream crosses road, one plant each collected on both sides of road. latitude: 27 deg. 26 min.. longitude: 65 deg. 59 min.. elevation: 1650m. remarks: Streamside and shaded woods (Alnus woods). No flowers or fruits seen. Wild. Tuber.

PI 558217  

PI 558218  

PI 558219  

PI 558220 to 558222. Solanum spegazzinii Bitter SOLANACEAE Potato  
Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received January 10, 1991.
PI 558220

**origin:** Argentina.  **collected:** April 08, 1990.  **collector id:** SCI 4599.  **locality:** Famatina.  On side of Rio Los Berros, at Los Berros (where stream crosses Corralles-Mina La mejicana road).  **latitude:** 28 deg. 51 min..  **longitude:** 67 deg. 40 min..  **elevation:** 2665m.  **remarks:** Growing among rocks in stream small trees, with Nasturtium.  Plants to 1.5 m tall, no flowers or fruits seen, tubers white when young, turning pink to purple when mature, with white warts, mature tubers up to 5.5 cm in diameter.  Wild.  Tuber.

PI 558221

**origin:** Argentina.  **collected:** April 09, 1990.  **collector id:** SCI 4607.  **locality:** Belen.  16.6 km W of route 40, at Pozo de Piedra, 2 km E of municipal building, on N side of road.  **latitude:** 27 deg. 34 min..  **longitude:** 67 deg. 08 min..  **elevation:** 1830m.  **remarks:** No flowers or fruits seen, tubers white when young, pink when older.  Wild.  Tuber.

PI 558222

**origin:** Argentina.  **collected:** April 09, 1990.  **collector id:** SCI 4609.  **locality:** Belen.  1.6 km W of Pozo de Piedra Municipal building on road diverting off main road following Rio Pozo de Piedra.  **latitude:** 27 deg. 33 min..  **longitude:** 67 deg. 11 min..  **elevation:** 1850m.  **remarks:** Growing on a pile of sandy soil by roadside in full sun.  Flowers gone.  Also collected as tubers.  Wild.  Seed.

PI 558223 to 558224.  *Solanum venturii* Hawkes & Hjert.  **SOLANACEAE**

**Potato**

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.

**Received January 10, 1991.**

PI 558223

**origin:** Argentina.  **collected:** April 11, 1990.  **collector id:** SCI 4616.  **locality:** Catamarca.  At Casa de Piedra, NW of Yunka Suma, which is on the NW corner of the Rio Chacras intersection with Buena Vista - Concepcion road.  **latitude:** 27 deg. 21 min..  **longitude:** 66 deg. 00 min..  **elevation:** 2140m.  **remarks:** In moist organic soil under Alnus.  No flowers, fruit, or tubers located, only two plants found.  No flowers, fruits, or tubers located, only two plants found.  Wild.
PI 558224  
origin: Argentina.  
collected: April 11, 1990.  
collector id: SCI 4618.  
locality: Andalgala.  
At Quebrada de Quenoal, a Quebrada N of Rio Chacras, NW of Yunka Suma, 
which is on the NW corner of the Rio Chacras intersection 
with Buena Vista - Concepcion road.  
latitude: 27 deg. 20 min.  
longitude: 66 deg. 01 min.  
elevation: 2505m.  
remarks: Growing in moist organic soil under Polylepis australis, Alnus.  
Also collected as tubers.  
Wild.  
Seed.

PI 558225 to 558226.  
Solanum vernei Bitter & Wittm.  
SOLANACEAE  
Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  
Received January 10, 1991.

PI 558225  
origin: Argentina.  
collected: April 11, 1990.  
collector id: SCI 4619.  
locality: Andalgala.  
At cuesta de la Loma Atraversada, N of Rio Chacras, NW of Yunka Suma, which is on the NW corner of the Rio Chacras intersection with the Buena Vista - Concepcion road.  
latitude: 27 deg. 20 min.  
longitude: 66 deg. 01 min.  
elevation: 2350m.  
remarks: Moist, organic soil under Alnus, Polylepis australis, with Rumex crispus, Geranium dissectum, Siegesbeckia jorullensis.  
Flowers gone, tubers with yellow skin and light yellow flesh.  
Wild.  
Tuber.

PI 558226  
origin: Argentina.  
collected: April 11, 1990.  
collector id: SCI 4620.  
locality: Andalgala.  
At Cuesta de Loma Atravesada, N of Rio Chacras, NW of Yunka Suma, which is on the NW corner of the Rio Chacras intersection with the Buena Vista - Concepcion road.  
latitude: 27 deg. 20 min.  
longitude: 66 deg. 01 min.  
elevation: 2200-2230m.  
remarks: Tubers orange, found detached from plants, along horsepath, no plants seen in immediate vicinity, 15 tubers collected between about 500 m length of path.  
Wild.  
Tuber.

PI 558227 to 558232.  
Solanum x rechei Hawkes & Hjert.  
SOLANACEAE  
Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  
Received January 10, 1991.


PI 558229 origin: Argentina. collected: April 04, 1990. collector id: SCI 4577. locality: Chilecito. 2 km S of Guanchin Viejo, 3 km NW of Guanchin, near roadside, on SW side. latitude: 29 deg. 10 min.. longitude: 67 deg. 39 min.. elevation: 1790m. remarks: In rich, moist, organic soil, growing with Mentha, grasses, by Juglans regia plantation. Flowers gone, said by landowner to have white petals, tubers pink outside and streaked pink inside or white outside. Also collected as tubers. Wild. Seed.


PI 558233 to 558237. Solanum brevidens Philippi SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received May 08, 1990.

PI 558233 origin: Chile. collected: February 01, 1989. collector id: SC 4329. locality: Colchagua. 5.7 km E of the intersection of road to Bellavista and road to Termas del Placo, in shaded canyon on S side of road. latitude: 34 deg. 45 min. longitude: 70 deg. 43 min. elevation: 820m. remarks: Several plants in small area, with Rosa Canina, stems ca. 2 m long. Flowers blue, flecked with white, fruits green, smooth, round. Wild. Seed.


PI 558237 origin: Chile. collected: February 15, 1989. collector id: SC 4355. locality: Malleco. Just upriver of bridge crossing over this river, 5.5 km S of Curacautin. latitude: 38 deg. 27 min. longitude: 71 deg. 51 min. elevation: 480m. remarks: In streambank on Rio Curacautin; one seedling on side of river. No fruit present, no flowers present. Wild. Rhizome.
PI 558233 to 558283-continued

PI 558238
origin: Chile. collected: February 15, 1989. collector id: SC 4356. locality: Malleco. In streambank ca. 0.5 km upstream of Puente Blanco, where Curacautin-Lonquimay Rd crosses Rio Calleco, Ca. 5 km E of Curacautin. latitude: 38 deg. 27 min. longitude: 71 deg. 50 min. elevation: 630m. remarks: One plant present. No fruit or flowers present. Wild. Rhizome.

PI 558239

PI 558240
origin: Chile. collected: February 16, 1989. collector id: SC 4391. locality: Cautin. 16 km W of garabiniros (police) station in Icalma along streamside on N side of road. latitude: 38 deg. 51 min. longitude: 71 deg. 26 min. elevation: 900m. remarks: Two plants present, growing on dead tree trunk. Flowers absent, fruit purple and green, round and smooth. Wild. Seed.

PI 558241

PI 558242
origin: Chile. collected: February 17, 1989. collector id: SC 4393. locality: Cautin. 1.2 km S of S end of Laguna Arco Iris, 13 km N of guard superintendent's house, just S of Laguna Verde. latitude: 38 deg. 42 min. longitude: 71 deg. 38 min. elevation: 990m. remarks: Growing in woods in wet organic soil at side of stream, with Fuchsia magellanica, Chusquea chila, Ribes; twenty plants. Flowers sky blue, fruit green and purple, round, smooth. Wild. Seed.
PI 558243  origin: Chile.  collected: February 17, 1989.  collector id: SC 4395.  locality: Malleco.  At S-facing base of large escarpment, just N of Volcan Llama, valley of Rio Captren, ca. 5 km W of W end of Laguna Conguillo.  latitude: 38 deg. 38 min.  longitude: 71 deg. 44 min.  elevation: 980m.  remarks: In shaded mature Nothofagus forest, in moist soil, ca. twenty plants present. No flowers present, fruits green, round, smooth.  Wild.  Seed.

PI 558244  origin: Chile.  collected: February 17, 1989.  collector id: SC 4396.  locality: Cautin.  Sector Ballica Fundo Venecia, on hill 10 km SW of Cherquenco, on road to Lomacura, on Cordillera de Melo.  latitude: 38 deg. 47 min.  longitude: 71 deg. 55 min.  elevation: 780m.  remarks: Growing with Fuchsia magellanica, Chusquea chila, Urtica, in moist soil, in shade; two plants.  Flowers absent, fruits green, round, smooth.  Wild.  Seed.

PI 558245  origin: Chile.  collected: February 21, 1989.  collector id: SC 4397.  locality: Valdivia.  Ca. 100 m downstream of bridge over stream at W end of Laguna Pullingue, (a small lake on S side of Laguna Calafquen), on S side of river.  latitude: 39 deg. 34 min.  longitude: 72 deg. 10 min.  elevation: 170m.  remarks: Among dense Ribes and Rubus ulmifolius thicket; leaves viscid, stem 3 m long; ca. 10 plants present; Flowers sky blue and white on outer edge; fruits light green(no purple), round, smooth.  Wild.  Seed.

PI 558246  origin: Chile.  collected: February 21, 1989.  collector id: SC 4398.  locality: Valdivia.  On N side of rd. at Nomeco, on S side of Lago Calafquen, ca. 150 m E of Puente Nomeco.  latitude: 39 deg. 34 min.  longitude: 72 deg. 06 min.  elevation: 250m.  remarks: Growing with Fuchsia magellanica, Urtica, Rubus ulmifolius; among rich organic soil of a large fallen tree.  stems 1.8 m long, leaves viscid; ten plants present, one in fruit; no flowers present, fruit green and purple;.  Wild.  Seed.

PI 558248 origin: Chile. collected: February 21, 1989. collector id: SC 4400. locality: Valdivia. 18 km NW of Termas de Liquine. latitude: 39 deg. 36 min.. longitude: 72 deg. 55 min.. elevation: 390m. remarks: Growing with Chusquea chila, Urtica, grasses; one plant on roadside. Flowers absent, fruit green, round, smooth. Wild. Seed.


PI 558252 origin: Chile. collected: February 22, 1989. collector id: SC 4405. locality: Valdivia. 100 m NE of corner of road crossing of road to Volcan El Mocho and road to Choshuenco. latitude: 39 deg. 54 min.. longitude: 72 deg. 08 min.. elevation: 130m. remarks: In low wet area, growing with Rubus ulmifolius and Chusquea chila; one plant present. Flowers and fruits absent. Wild. Rhizome.

PI 558253 origin: Chile. collected: February 22, 1989. collector id: SC 4406. locality: Valdivia. 32.7 km S of Puente Puerto Fui, over Rio Fui, on W side of private road. latitude: 40 deg. 02 min.. longitude: 71 deg. 58 min.. elevation: 550m. remarks: One plant present growing with chusquea chila, Fuchsia magellanica, Aristotelia chilensis; Flowers absent, fruit green and purple, round smooth (with warts). Plant 3.2 m long, 38 berries/inflorescence;. Wild. Seed.
PI 558254

origin: Chile. collected: February 23, 1989. collector id: SC 4407. locality: Vladivia. In wet rocky seepage slope, just upriver of entrance to Petroglypho Cachillahue, S side of Rio Bueno, Ca. 5 km (by air) E of center of town of Rio Bueno. latitude: 40 deg. 20 min.. longitude: 72 deg. 52 min.. elevation: 920m. remarks: Growing among Chusquea chila, Rubus ulmifolius, Fuchsia magellanica. Stems to 3 m long; 53 berries/inflorescence; flowers sky blue with white radiating between lobes, fruit green and purple, round, smooth. Wild. Seed.

PI 558255


PI 558256

origin: Chile. collected: February 24, 1989. collector id: SC 4409. locality: Osorno. 6 km from Aduana Paharitos station near border with Argentina, in ditch on S side of CH 215, E of Osorno, 13.9 km W of border with Argentina. latitude: 40 deg. 40 min.. longitude: 72 deg. 04 min.. elevation: 710m. remarks: In roadside ditch with Gunnera, Plantago, grasses, in wet, black, gritty volcanic soil, Nothfagus forest area. Flowers absent, fruits green and purple, round, smooth;. Wild. Seed.

PI 558257

donor id: SC 4450. origin: Chile. collected: March 02, 1989. collector id: Spo 4450. locality: Llanquihue. At Pte. Peulla, on wet shaded slope by boat landing. latitude: 41 deg. 06 min.. longitude: 72 deg. 02 min.. elevation: 155m. remarks: Deep rich soil. Stems to 4 m long; flowers sky blue with white, fruit round, green, and purple. Wild. Seed.

PI 558258

donor id: SC 4451. origin: Chile. collected: March 02, 1989. collector id: Spo 4451. locality: Llanquihue. On road from Puella (Chile) to San Carlos de Bariloche (Argentina), Ca. 3 km W of Chile-Argentina border, on slope off S side of road. latitude: 41 deg. 04 min.. longitude: 71 deg. 51 min.. elevation: 800m. remarks: In open sun in deep rich soil. Stems to 2 m long; flowers sky blue. Wild. Seed.
**PI 558259**

**donor id:** SC 4452.  
**origin:** Chile.  
**collected:** March 02, 1989.  
**collector id:** Spo 4452.  
**locality:** Llanquihue.  
At base of Salta Los Novios, along trail S of hotels in Puella, Ca. 0.5 km S of border crossing road.  
**latitude:** 41 deg. 06 min..  
**longitude:** 72 deg. 01 min..  
**elevation:** 170m.  
**remarks:** In deep rich soil near stream; abundant by falls in surrounding area. Flowers sky blue, fruits round, green and dark purple, smooth. Wild. Seed.

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**PI 558260**

**donor id:** SC 4453.  
**origin:** Chile.  
**collected:** March 03, 1989.  
**collector id:** Spo 4453.  
**locality:** Llanquihue.  
On S side of Lago Todos Los Santos, just across lake from hotel and marina at Petrohue, Ca. 300 m S of lake.  
**latitude:** 41 deg. 08 min..  
**longitude:** 72 deg. 24 min..  
**elevation:** 160m.  
**remarks:** In rich organic soil of landslide, plant without flowers or fruits, growing among piles of cut tree branches. 2 non flowering plants present. Wild.

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**PI 558261**

**donor id:** SC 4454.  
**origin:** Chile.  
**collected:** March 04, 1989.  
**collector id:** Spo 4454.  
**locality:** Llanquihue.  
Just N of Ralun, 5.3 km E and then N from Puente Petrohue (bridge crossing over, Rio Petrohue on N end of Bahia Ralun).  
**latitude:** 41 deg. 22 min..  
**longitude:** 72 deg. 16 min..  
**elevation:** 40m.  
**remarks:** Growing in organic soil out of stump of rotting log, 2 plants present. Flowers and fruits absent. Wild. Rhizome.

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**PI 558262**

**donor id:** SC 4455.  
**origin:** Chile.  
**collected:** March 04, 1989.  
**collector id:** Spo 4455.  
**locality:** Llanquihue.  
On land of Jorge Barrio, Ca. 8 km (by air), N of town of Ralun, Ca. 3 km, by air, SSW of S end of Lago Callutue.  
**latitude:** 41 deg. 18 min..  
**longitude:** 72 deg. 16 min..  
**elevation:** 480m.  
**remarks:** Growing in grazed pasture on hillside among clumps of shrubs. 2 plants present; flowers absent, fruits absent. Wild. Rhizome.

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**PI 558263**

**donor id:** SC 4456.  
**origin:** Chile.  
**collected:** March 07, 1989.  
**collector id:** Spo 4456.  
**locality:** Valdivia.  
Next to logging road, on W side of valley of Rio Huahum, Ca. 2 km W of border crossing with Argentina, ca. 1 km S of CH 203 (border crossing road), S of Pirehueico.  
**latitude:** 40 deg. 06 min..  
**longitude:** 71 deg. 41 min..  
**elevation:** 680m.  
**remarks:** In mature Nothofagus forest with Chusquea, in deep organic soil. 2 plants; flowers absent, fruit round, green and purple. Wild. Seed.
PI 558264  donor id: SC 4457.  origin: Chile.  collected: March 07, 1989.  collector id: Spo 4457.  locality: Valdina.  4.2 km S of loading dock at Pirehueico, on E side of road on land Manual Jesus Sepulveda Varela.  latitude: 40 deg. 03 min..  longitude: 71 deg. 43 min..  elevation: 640m.  remarks: Growing among burnt logs with Chusquea. 15 plants; flowers absent, fruits round, green, purple, and smooth.  Wild.  Seed.

PI 558265  donor id: SC 4458.  origin: Chile.  collected: March 07, 1989.  collector id: Spo 4458.  locality: Valdivia.  E of E end of Lago Pirehueico, 2.3 km N of junction of road diverting 1 km S of CH 203 (border crossing road), beginning 1 km S of S end of Lago Pirehueico.  latitude: 41 deg. 01 min..  longitude: 71 deg. 42 min..  elevation: 650m.  remarks: In grazed opening of Nothofagus forest, among burnt logs, growing with Rubus ulimifolius. 2 plants present flowers absent, fruits round, green, purple and smooth.  Wild.  Seed.


PI 558267  donor id: SC 4460.  origin: Chile.  collected: March 08, 1989.  collector id: Spo 4460.  locality: Cautin.  At Zonzon Seco; at base of W facing hill, at border of Nothofagus woods and lava field, in Parque Nacional Volcan Villarrica, 11 km, by air, NNW of apex of Volcan Villarrica.  latitude: 39 deg. 19 min..  longitude: 71 deg. 58 min..  elevation: 750m.  remarks: In wet soil by a spring. 2 plants present; flowers absent, fruit round green, purple, and smooth.  Wild.  Seed.

PI 558268  donor id: SC 4461.  origin: Chile.  collected: March 09, 1989.  collector id: Spo 4461.  locality: Cautin.  At Huife Alfo, on land of Delfin Guirrez, 20 m NW of stream on NW side of road, 8.2 km NE of Termas de Huife;.  latitude: 39 deg. 11 min..  longitude: 71 deg. 35 min..  elevation: 850m.  remarks: Growing in wet rocky soil among rotting logs. 21 stems arising from base of one plant, stems to 2.2 m long; three plants present; flowers absent, fruits round, green, purple, and smooth.  Wild.  Seed.
PI 558269  donor id: SC 4462. origin: Chile. collected: March 09, 1989. collector id: Spo 4462. locality: Cautin. On E side road from Villa San Pedro to Papal (this road not on road or topographic maps), in a small stream in a small arroyo, NE of San Pedro, Ca. 17 km (by air) E of Pucon. latitude: 39 deg. 15 min.. longitude: 71 deg. 45 min.. elevation: 590m. remarks: Growing in wet spongy organic soil with Gunnera, Prunella, Scirpus, Fuchsia magellanica. Stems to 1 m long flowers absent, fruits round, green, purple and smooth. Wild. Seed.

PI 558270  donor id: SC 4463. origin: Chile. collected: March 10, 1989. collector id: Spo 4463. locality: Cautin. Ca. 100 km downstream of Salto El Leon, Ca. 1 km (by air) E of Termas Palguin. latitude: 39 deg. 25 min.. longitude: 71 deg. 45 min.. elevation: 750m. remarks: Growing in wet mucky soil. Stems to 1.8 m long; 15 plants; flowers absent, fruit round, green, purple, and smooth. Wild. Seed.

PI 558271  donor id: SC 4464. origin: Chile. collected: March 10, 1989. collector id: Spo 4464. locality: Cautin. At Termas Palguin, along side of Rio Palguin, frequent along baths and wells of Termas Palguin. latitude: 39 deg. 25 min.. longitude: 71 deg. 46 min.. elevation: 760m. remarks: Stems to 1.3 m long; flowers absent, fruits round, green, purple, and smooth. Wild. Seed.

PI 558272  donor id: SC 4465. origin: Chile. collected: March 10, 1989. collector id: Spo 4465. locality: Cautin. Ca. 100 m downstream (N) of Salto la China, Ca. 0.5 km NE of junction of road to Termas Panguin and Salto el Leon. latitude: 39 deg. 24 min.. longitude: 71 deg. 45 min.. elevation: 680m. remarks: 100 m downstream of Salto la China. Flowers absent, fruits round, green, purple, and smooth. Wild. Seed.

PI 558273  donor id: SC 4466. origin: Chile. collected: March 10, 1989. collector id: Spo 4466. locality: Cautin. By edge of potato field on jeep road from Huillilco to Caren, about 1 km (by air) on NW side of top of hill. latitude: 39 deg. 25 min.. longitude: 71 deg. 36 min.. elevation: 920m. remarks: Growing out of standing rotting stump with Rubus ulimifolius. One plant present; flowers absent, fruits round, green, purple, and smooth. Wild. Seed.
PI 558274  
donor id: SC 4467.  
origin: Chile.  
collected: March 11, 1989.  
collector id: Spo 4467.  
locality: Cautin.  
On SE side of road, SW of Termas de Panguí.  
latitude: 39 deg. 15 min.  
longitude: 71 deg. 31 min.  
elevation: 930m.  
remarks: Among rotting logs, on slope, partially cut down Tsuga and Nothofagus forest, with Chusquea; deep organic soil. 20 plants, 3 in fruit; flowers absent, fruit green, round, purple, smooth.  
Wild.  
Seed.

PI 558275  
donor id: SC 4468.  
origin: Chile.  
collected: March 11, 1989.  
collector id: Spo 4468.  
locality: Cautin.  
2.2 km N of Cuarrehue-Termas Panguí Road along the road to Los Chilcos and Reclira Alto, on E side of Rio Panguí in wet slippage bank by river.  
latitude: 39 deg. 18 min.  
longitude: 71 deg. 34 min.  
elevation: 780m.  
remarks: Growing with Gunnera. 10 plants present; flowers sky blue, fruits round, green, purple, and smooth.  
Wild.  
Seed.

PI 558276  
donor id: SC 4469.  
origin: Chile.  
collected: March 11, 1989.  
collector id: Spo 4469.  
locality: Cautin.  
5.2 km along road to Paso de Huirinlil (pass at Argentina border), from junction of this road and road just outside of Curarrehue to Reigolíl, 1.5 km W of W end of small lake by W end of Huincapalíhue.  
latitude: 39 deg. 21 min.  
longitude: 71 deg. 29 min.  
elevation: 790m.  
remarks: Growing by streamside, with Chusquea. Two plants here, flowers absent, fruits round, green, purple, and smooth.  
Wild.  
Seed.

PI 558277  
donor id: SC 4470.  
origin: Chile.  
collected: March 12, 1989.  
collector id: Spo 4470.  
locality: Cautin.  
On W bank of Rio Trancura, 50 m S of bridge crossing over this river in town of Curarrehue, in back of house number 1016.  
latitude: 39 deg. 16 min.  
longitude: 71 deg. 35 min.  
elevation: 400m.  
remarks: Owner says this plant growing here only for 2 years. One plant present; stems to 1 m long; flowers absent, fruits absent.  
Wild.  
Rhizome.

PI 558278  
donor id: SC 4471.  
origin: Chile.  
collector id: Spo 4471.  
locality: Cautin.  
Ca. 1 km E of valley N of police (carabineros), station at Reigolíl, on road diverging to the E, 6.1 km N of this station, land of Eduardo Gonzalez Rosas.  
latitude: 39 deg. 05 min.  
longitude: 71 deg. 27 min.  
elevation: 1010m.  
remarks: Growing in opening in partially cut-over Nothofagus forest with Chusquea and Fuchsia magellanica, in wet organic soil. 15 plants present; fruits round, green, purple, and smooth;  
Wild.  
Seed.
PI 558279  donor id: SC 4472.  origin: Chile.  collected: February 12, 1989.  collector id: Spo 4472.  locality: Cautin.  Along small streamlet flowing from the E into Rio Blanco, Ca 5 m E of Rio Blanco, Ca. 100 m N of where a hot spring enters Rio Blanco.  latitude: 39 deg. 06 min..  longitude: 71 deg. 36 min..  elevation: 740m.  remarks:  Stems to 2.2 m long; one plant present; flowers absent, fruits round, green, purple and smooth.  Wild.  Seed.


PI 558281  donor id: SC 4486.  origin: Chile.  collected: March 23, 1989.  collector id: Spo 4486.  locality: Bio-Bio.  Among rocks in Rio Rucue, 2 km ESE of Mileo (where dirt road meets Rio Rucue), 7 km (by air), SW of Antuco.  latitude: 37 deg. 22 min..  longitude: 71 deg. 43 min..  elevation: 500m.  remarks:  Plants 1.2 dm tall; flowers and fruits absent.  Wild.  Rhizome.


PI 558283  donor id: SC 4488.  origin: Chile.  collected: March 24, 1989.  collector id: Spo 4488.  locality: Bio-Bio.  At Puente Boguia Margo, 3.2 km N of carabineros (police) station, Alto Biobio, along road to Los Chenques (frontier road to Argentina), on E side of road.  latitude: 37 deg. 51 min..  longitude: 71 deg. 39 min..  elevation: 490m.  remarks:  Rich organic soil in shaded arroyos, growing on stream bank among rotting logs. Fruits almost all dropped by this time; 20 plants present; flowers absent, fruits green, purple, round and smooth.  Wild.  Seed.
PI 558284 to 558312. Solanum etuberosum Lindley SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received May 08, 1990.

PI 558284 origin: Chile. collected: January 29, 1989. collector id: SC 4323. locality: Cordillera. In mountains ca. 5 km SSW (by air) from San Jose del Maipo; in Cajon del Maipo, in Yerba Buena, sector el Toyo. Metropolitana. latitude: 33 deg. 41 min.. longitude: 70 deg. 24 min.. elevation: 1500m. remarks: Scores of plants present, growing in moist soil of quebrada with Escalonia revoluta, Urtica. Flowers dark blue, fruits green and smooth. Wild. Seed.


PI 558288 origin: Chile. collected: February 01, 1989. collector id: SC 4328. locality: Colchagua. Ca. 3 km (by air) SSE of Sierras de Bellavista, by streamside, in quebrada Las Aletillas. latitude: 34 deg. 50 min.. longitude: 70 deg. 44 min.. elevation: 1540m. remarks: Growing under Aristotelia chilensis, Escalonia revoluta, Equisetum. Flowers absent, fruits smooth, round. Wild. Seed.
PI 558289 origin: Chile. collected: February 03, 1989. collector id: SC 4330. locality: Talca. In quebrada N of Rio Claro, ca. 60 km SE of Molina, Quebrada La Leona, Parque Ingles. latitude: 35 deg. 28 min.. longitude: 70 deg. 56 min.. elevation: 1350m. remarks: In quebrada; one plant present. Wild. Seed.

PI 558290 origin: Chile. collected: February 03, 1989. collector id: SC 4331. locality: Talca. In quebrada N of Rio Claro, ca. 60 km SE of Molina, Quebrada La Leona, Parque Ingles, ca. 1.5 km upstream of 4330. latitude: 35 deg. 27 min.. longitude: 70 deg. 56 min.. elevation: 1400m. remarks: Plant glutinous, growing with Fuchsia magellanica, 100 plants present. Wild. Seed.

PI 558291 origin: Chile. collected: February 05, 1989. collector id: SC 4333. locality: Talca. In bed of small stream flowing from the S into Rio Maule, ESE of Talca, ca. 3 km W of turnoff past army post to Laguna La Invernada, 33 km E of Cipreses. latitude: 35 deg. 48 min.. longitude: 70 deg. 53 min.. elevation: 830m. remarks: Flowers and fruits absent. Wild. Rhizome.

PI 558292 origin: Chile. collected: February 07, 1989. collector id: SC 4336. locality: Nuble. In bank of Los Sauces River, in Los Sauces. latitude: 36 deg. 39 min.. longitude: 71 deg. 16 min.. elevation: 710m. remarks: Plant almost glabrous, very scattered sterile plants, only one in fruit; flowers absent, fruit green, smooth, round; Wild.

PI 558293 origin: Chile. collected: February 08, 1989. collector id: SC 4337. locality: Nuble. AT base of moist waterfall at Las Trancas, on N side of road to Termas de Chillan, ca. 10 km W of Termas de Chillan. latitude: 36 deg. 53 min.. longitude: 71 deg. 29 min.. elevation: 1250m. remarks: Abundant at base of cliff in spray from waterfall, growing with Fuschia maglenica, Alstroemeria ligtu. Flowers dark blue, fruits green, smooth, round. Wild. Seed.

PI 558294 origin: Chile. collected: February 08, 1989. collector id: SC 4338. locality: Nuble. By small quebrada on S side of road, ca. 4 km W of Termas de Chillan, at Gruta los Pangues. latitude: 36 deg. 54 min.. longitude: 71 deg. 25 min.. elevation: 1460m. remarks: Ten plants growing with Alstroemeria ligtu and grasses. Flowers dark blue, fruit green, smooth, round. Wild. Seed.


PI 558299  origin: Chile.  collected: February 11, 1989.  collector id: SC 4352.  locality: Malleco.  7 km E of rd. jct. at E end of Lagana Malleco, in stream flowing W into Laguna Malleco, ca. 1 km E of bridge over this stream.  latitude: 38 deg. 12 min..  longitude: 71 deg. 46 min..  elevation: 1005m.  remarks: 4 plants found in 0.5 km length. Plants glabrous; flowers absent, fruit green, smooth, round. Wild. Seed.

PI 558301  
**origin:** Chile. **collected:** February 16, 1989. **collector id:** SC 4388. **locality:** Malleco. Sector Cierre Viejo, along track starting just S of Troyo and leading NW along Rio Ranquil. **latitude:** 38 deg. 14 min.. **longitude:** 71 deg. 15 min.. **elevation:** 1080m. **remarks:** Among rocks in stream ca. 1 km upstream where track crosses stream; hundreds of plants. Flowers dark blue, fruits round, green, smooth. Wild. Seed.

PI 558302  
**origin:** Chile. **collected:** February 16, 1989. **collector id:** SC 4389. **locality:** Malleco. Sector Cierre Viejo, ca. 13 km along track starting just S of Troyo and leading NW along Rio Ranquil. **latitude:** 38 deg. 14 min.. **longitude:** 71 deg. 15 min.. **elevation:** 1150m. **remarks:** Among rocks in stream ca. 300 m downstream where track crosses stream; hundreds of plants present. No flowers present, fruit round green and deep purple. Wild. Seed.

PI 558303  
**donor id:** SC 4473. **origin:** Chile. **collected:** March 17, 1989. **collector id:** Spo 4473. **locality:** Cachapoal. In Sierra de los Punzones, Minas del Rosario, 100 m W of W end of tunnel, 1.3 km W of W end of Laguna Los Cristales. **latitude:** 34 deg. 34 min.. **longitude:** 70 deg. 31 min.. **elevation:** 2110m. **remarks:** Stems to 0.7 m long, leaflets curled at edges and partially folded; 10 plants present; flowers absent, fruits round green, smooth. Wild. Seed.

PI 558304  
**donor id:** SC 4474. **origin:** Chile. **collected:** March 17, 1989. **collector id:** Spo 4474. **locality:** Cachapoal. In Sierra de los Punzones on S side of Laguna Los Cristales, Ca. 3 km, (by air) NE of Laguna Negra. **latitude:** 34 deg. 34 min.. **longitude:** 70 deg. 30 min.. **elevation:** 2245m. **remarks:** Growing by small stream. Stems to 1 m tall, leaflets curled and partially folded at edges; scores of plants present; flowers absent, fruit round, green, purple, and smooth. Wild. Seed.

PI 558305  
**donor id:** SC 4479. **origin:** Chile. **collected:** March 17, 1989. **collector id:** Spo 4479. **locality:** Cachapoal. Where stream flowing N out of Laguna de Negra crosses road to Minas del Rosario. **latitude:** 34 deg. 34 min.. **longitude:** 70 deg. 32 min.. **elevation:** 1800m. **remarks:** Growing next to stream. 20 plants present; stems to 1 m long; flowers absent, fruit round, green, purple, smooth. Wild. Seed.
PI 558306 donor id: SC 4480. origin: Chile. collected: March 17, 1989. collector id: Spo 4480. locality: Cachapoal. 0.5 km upstream, (south) of Mengo-Mina del Rosano road (through Las Nieves), 6.1 km W of gate at mine station, 15.4 km E of Las Nieves at gate on E edge of town. latitude: 34 deg. 33 min.. longitude: 70 deg. 36 min.. elevation: 1150m. remarks: Growing next to stream in sandy soil. One plant present; flowers dark blue, fruit round, mostly green, some with a slight purple tinge, smooth. Wild. Seed.

PI 558307 donor id: SC 4481. origin: Chile. collected: March 18, 1989. collector id: Spo 4481. locality: Curico. In arroyo Ca. 300 m S of Rio Teno, off of Curico-Vergara Pass (border with Argentina) Road (now abandoned), Ca. 15 km E of Los Quenes, ca. 12 km (by air), W of Los Cipreses. latitude: 35 deg. 03 min.. longitude: 70 deg. 40 min.. elevation: 1040m. remarks: Growing by small stream. 10 plants present; flowers dark blue, fruits green, round, and smooth. Wild. Seed.

PI 558308 donor id: SC 4482. origin: Chile. collected: March 18, 1989. collector id: Spo 4482. locality: Curico. Ca. 3 km S of Rio Teno off Curico-Vergaro Pass (border with Argentina) Road (now abandoned), Ca. 15 km E of Los Quenes, in small valley joining Rio Teno, Ca. 5 km W of Los Cipreses. latitude: 35 deg. 05 min.. longitude: 70 deg. 36 min.. elevation: 1240m. remarks: In loose, rocky, wet soil, at base of waterfall on E side of stream. Flowers and fruits absent. Wild. Rhizome.

PI 558309 donor id: SC 4485. origin: Chile. collected: March 23, 1989. collector id: Spo 4485. locality: Bio-Bio. Among rocks in Rio Rucue, for a 4 km stretch, centered 2 km ESE of Mileo (where dirt road meets Rio Rucue) 7 km (by air), SW of Antuco. latitude: 37 deg. 22 min.. longitude: 71 deg. 43 min.. elevation: 500m. remarks: Plants 1 dm tall; flowers and fruits absent. Wild. Rhizome.

PI 558310 donor id: SC 4489. origin: Chile. collected: March 24, 1989. collector id: Spo 4489. locality: Bio-Bio. In rocks in stream flowing from the N into Rio Queuco, Ca. 50 m W of Puente Nitroa, by Banos Nitroa, 48 km NE of Alto Biobio. latitude: 37 deg. 41 min.. longitude: 71 deg. 20 min.. elevation: 820m. remarks: Fruits mostly dried at this time. 100 plants present, mostly sterile, in a 300 m length of stream; flowers absent, fruits round, green smooth; herb. Wild. Seed.
PI 558311  donor id: SC 4490.  origin: Chile.  collected: March 24, 1989.  collector id: Spo 4490.  locality: Bio-Bio.  70 km NE of Alto Bio Bio on road to Hito Paso de Copahue, (at the Argentina border), 5 km E of Argentina border, by hot sulfur springs, where small stream crosses jeep road near headwaters Rio Queuco.  latitude: 37 deg. 49 min..  longitude: 71 deg. 10 min..  elevation: 1810m.  remarks: Growing among rocks in stream. Fruits very mature; common in area; flowers absent, fruits round, green, smooth.  Wild.  Seed.


PI 558313 to 558316. Solanum maglia Schldl.  SOLANACEAE  Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received May 08, 1990.

PI 558313  origin: Chile.  collected: January 25, 1989.  collector id: SC 4301.  locality: Valparaiso.  300 m S of Puente El Piden, on S side on concon, on E side of road.  latitude: 32 deg. 55 min..  longitude: 71 deg. 32 min..  elevation: 20m.  remarks: Just a few plants present. Flowers white, fruits absent.  Wild.

PI 558314  origin: Chile.  collected: January 25, 1989.  collector id: SC 4302.  locality: Valparaiso.  100 m S of Puente El Piden on S side of Concon, on E side of road.  latitude: 32 deg. 55 min..  longitude: 71 deg. 32 min..  elevation: 20m.  remarks: Just a few plants present. Flowers white, fruits absent.  Wild.  Tuber.

PI 558315  origin: Chile.  collected: January 26, 1989.  collector id: SC 4306.  locality: Petorca.  Facing Pacific Ocean, W side of coast road, ca 1/2 km N of La Laguna beach, 5 km S of S entrance to Cachagua (which is just S of Zapallar).  latitude: 32 deg. 36 min..  longitude: 71 deg. 26 min..  elevation: 10m.  remarks: Scattered small colonies on slope; growing on lushly-vegetated sand dune, with Urtica dioica, Cyperis. Flowers white, fruits absent.  Wild.  Tuber.

PI 558317 to 558369. Solanum tuberosum L. var. tuberosum SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received May 08, 1990.

PI 558317 origin: Chile. collected: February 25, 1989. collector id: SC 4410. locality: Chiloe. Sector Recta Chacao, in field of Rosalia Segovia, about 10 km WSW of Chacao on road to Ancud. latitude: 41 deg. 52 min.. longitude: 73 deg. 36 min.. elevation: 5m. remarks: Flowers purple, fruit green, round, smooth; tubers named Azultardia. Wild. Tuber.

PI 558318 origin: Chile. collected: February 25, 1989. collector id: SC 4411. locality: Chiloe. Sector Recta Chacao, in field of Rosalia Segovia, about 10 km WSW of Chacao on road to Ancud. latitude: 41 deg. 52 min.. longitude: 73 deg. 36 min.. elevation: 5m. Wild. Tuber.

PI 558319 origin: Chile. collected: February 25, 1989. collector id: SC 4412. locality: Chiloe. Sector Recta Chacao, in field of Rosalia Segovia, about 10 km WSW of Chacao on road to Ancud. latitude: 41 deg. 52 min.. longitude: 73 deg. 36 min.. elevation: 5m. Wild. Tuber.

PI 558320 origin: Chile. collected: February 25, 1989. collector id: SC 4413. locality: Chiloe. In field of Gonzalez family, Ca. 5 km NE of Cocolue on road to Ancud. latitude: 41 deg. 54 min.. longitude: 73 deg. 52 min.. elevation: 10m. remarks: Tubers named Frutilla. Wild. Tuber.

PI 558321 origin: Chile. collected: February 25, 1989. collector id: SC 4414. locality: Chiloe. In field of Gonzalez family, Ca. 5 km NE of Cocolue on road to Ancud. latitude: 41 deg. 54 min.. longitude: 73 deg. 52 min.. elevation: 10m. remarks: Tubers named Azul. Wild. Tuber.


PI 558325  origin: Chile.  collected: February 26, 1989.  collector id: SC 4418.  locality: Chiloe.  Field of Audilio Quilahuilque, N end of Isla Caucahue, just NE of town of Quemchi, sector Morros Lobos.  latitude: 42 deg. 07 min.. longitude: 73 deg. 23 min..  elevation: 5m.  remarks: Tubers named Cacho.  Wild.  Tuber.


PI 558342  origin: Chile.  collected: March 05, 1990.  collector id: CPS 1126.  locality: Aisen.  NE side of Islotes Pangues.  latitude: 43 deg. 46 min.  longitude: 74 deg. 02 min.  elevation: 1m.  remarks: Near edge of beach among rocks and under Gunnera.  150 plants present.  Wild.  Tubers with purple skin and purple flesh; no flowers or fruits present.  Wild.  Tuber.
PI 558343  
**origin:** Chile.  **collected:** March 05, 1990.  **collector id:** CPS 1127.  **locality:** Aisen. E side of Isla la Bolla, a small island (not shown map) just N of Isla Gran Guai teca.  **latitude:** 43 deg. 47 min..  **longitude:** 74 deg. 01 min..  **elevation:** 1m.  **remarks:** Growing under thorny bushes in black sandy and organic soils. 25 plants present. Wild. Tubers with purple skin and purple flesh, 5 plants seen, no flowers or fruits present. Wild. Tuber.

PI 558344  
**origin:** Chile.  **collected:** March 06, 1990.  **collector id:** CPS 1128.  **locality:** Aisen. SE side of Isla Tuamapu, near beach.  **latitude:** 44 deg. 01 min..  **longitude:** 74 deg. 09 min..  **elevation:** 1m.  **remarks:** On edge of forest, by temporary dwelling. 20 plants present. Modern cultivar. Found in organic soil. Tubers with whitish flowers, fruits absent. Wild. Tuber.

PI 558345  
**origin:** Chile.  **collected:** March 06, 1990.  **collector id:** CPS 1129.  **locality:** Aisen. On SW spur of Isla Midhurst, near seashore.  **latitude:** 44 deg. 10 min..  **longitude:** 74 deg. 20 min..  **elevation:** 1m.  **remarks:** In stony soil, forest margin, growing with Vicia species. 300 plants present. Wild. Tubers with purple skin and purple flesh, one plant seen with flowers, no fruits present. Wild. Tuber.

PI 558346  
**origin:** Chile.  **collected:** March 06, 1990.  **collector id:** CPS 1130.  **locality:** Aisen. On W side of Isla La Boya (Isla Guarro), a small island (unnamed on topographic map) W of SW end of Isla Midhurst, by seashore.  **latitude:** 44 deg. 10 min..  **longitude:** 74 deg. 21 min..  **elevation:** 1m.  **remarks:** Growing among grasses in sandy soil. Thousands of plants present. Wild. Flowers and fruits absent. Wild. Tuber.

PI 558347  
**origin:** Chile.  **collected:** March 06, 1990.  **collector id:** CPS 1131.  **locality:** Aisen. On W end of Isla La Boya (Isla Guarro), a small island (unnamed on topographical map) W of SW end of Isla Midhurst, by seashore.  **latitude:** 44 deg. 10 min..  **longitude:** 74 deg. 21 min..  **elevation:** 1m.  **remarks:** Growing among grasses in sandy soil. Hundreds of plants present. Wild. Flowers and fruits absent. Wild. Tuber.

PI 558348  
**origin:** Chile.  **collected:** March 07, 1990.  **collector id:** CPS 1132.  **locality:** Aisen. On SW end of Isla Mellersh, near seashore.  **latitude:** 44 deg. 06 min..  **longitude:** 74 deg. 21 min..  **elevation:** 1m.  **remarks:** Growing among grasses in rough sandy soil. 80 plants present. Wild. Young fruits present. Also collected as tubers. Wild. Seed.

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PI 558349  
**origin:** Chile.  
**collected:** March 07, 1990.  
**collector id:** CPS 1133.  
**locality:** Aisen. On SW end of Isla Mellersh, near seashore.  
**latitude:** 44 deg. 06 min..  
**longitude:** 74 deg. 21 min..  
**elevation:** 1m.  
**remarks:** Growing among grasses in rough sandy organic soil. 2 plants present. Wild. Wild. Tuber.

PI 558350  
**origin:** Chile.  
**collected:** March 07, 1990.  
**collector id:** CPS 1134.  
**locality:** Aisen. S end of Isla Larga (unnamed on topographic map) just W of N portion of Isla Midhurst, by seashore.  
**latitude:** 44 deg. 09 min..  
**longitude:** 74 deg. 20 min..  
**elevation:** 1m.  
**remarks:** Growing among grasses in fine sandy organic soil. 70 plants present. Wild. Flowers white, one semi-mature fruit collected, tubers with pink skin, white flesh. Also collected as tubers. Wild. Seed.

PI 558351  
**origin:** Chile.  
**collected:** March 07, 1990.  
**collector id:** CPS 1135.  
**locality:** Aisen. On SW spur of Isla Midhurst, near seashore.  
**latitude:** 44 deg. 10 min..  
**longitude:** 74 deg. 20 min..  
**elevation:** 1m.  
**remarks:** Growing in coarse, sandy, organic soil. 10 plants present. Wild. Wild. Tuber.

PI 558352  
**origin:** Chile.  
**collected:** March 08, 1990.  
**collector id:** CPS 1136.  
**locality:** Aisen. E shore of Isla Johnson, E of S end of Isla Acue, by seashore.  
**latitude:** 44 deg. 20 min..  
**longitude:** 74 deg. 23 min..  
**elevation:** 1m.  
**remarks:** Near seashore, in rocky, sandy, and organic soil, among grass. 10 plants present. Wild. Flowers and fruits absent, tubers with purple skin and purple flesh. Wild. Tuber.

PI 558353  
**origin:** Chile.  
**collected:** March 08, 1990.  
**collector id:** CPS 1137.  
**locality:** Aisen. E shore of Isla Johnson, E of S shore of Isla Acue, by seashore.  
**latitude:** 44 deg. 20 min..  
**longitude:** 74 deg. 23 min..  
**elevation:** 1m.  

PI 558354  
**origin:** Chile.  
**collected:** March 08, 1990.  
**collector id:** CPS 1138.  
**locality:** Aisen. E shore of Isla Johnson, E of S end of Isla Acue, by seashore.  
**latitude:** 44 deg. 20 min..  
**longitude:** 74 deg. 23 min..  
**elevation:** 1m.  
**remarks:** Near seashore, in rocky, sandy & organic soil. Thousands of plants present. Wild. Flowers white, fruits abundant, mature, some eaten by animals or birds, tubers with purple skin and purple flesh. Also collected as tubers. Wild. Seed.
PI 558355  origin: Chile. collected: March 08, 1990. collector id: CPS 1139. locality: Aisen. Isla La Bolla, a small island (unnamed on topographic map) of the Islas Broken Group, W of Isla Los Mellenes. latitude: 44 deg. 22 min.. longitude: 74 deg. 28 min.. elevation: 1m. remarks: In coarse sand. Hundreds of plants present. Wild. Some tubers with purple skin, some with white skin, fruits mature. Also collected as tubers. Wild. Seed.

PI 558356  origin: Chile. collected: March 09, 1990. collector id: CPS 1140. locality: Aisen. Isla La Bolla, a small island (unnamed on topographic map) of the Islas Broken Group, W of Isla Los Mellenes. latitude: 44 deg. 22 min.. longitude: 74 deg. 28 min.. elevation: 1m. remarks: In coarse sand, in grassy area. Hundreds of plants present. Wild. Tubers with purple skin and purple flesh flowers and fruits absent. Wild. Tuber.


PI 558358  origin: Chile. collected: March 09, 1990. collector id: CPS 1144. locality: Aisen. Near seashore, on NW shore of Isla Stokes. latitude: 44 deg. 37 min.. longitude: 74 deg. 33 min.. elevation: 1m. remarks: Hundreds of plants present. Wild. Flowers and fruits present, tubers with pink skin and white flesh. Also collected as tubers. Wild. Seed.


PI 558366  origin: Chile.  collected: March 19, 1990.  collector id: CPS 1152.  locality: Aisen.  Near beach on S side of Isla Gran Guaiteca (at Playa Chureo), due E of Isla Cae, SW of Laguna Los Chureos.  latitude: 44 deg. 55 min.  longitude: 73 deg. 59 min.  elevation: lm.  remarks: In sandy soil. Hundreds of plants present. Wild. Flowers white, fruits absent, stolons up to 2.5 m long, tubers with white skin and white flesh, very few tubers produced. Wild. Tuber.


PI 558369  origin: Chile.  collected: March 19, 1990.  collector id: CPS 1153.  locality: Aisen.  Near beach on S side of Isla Gran Guaitecas, at Playa Chiquanite, ca. 2 km SW of SW end of Isla Cae.  latitude: 43 deg. 55 min.  longitude: 73 deg. 58 min.  elevation: lm.  remarks: In sandy soil. Tubers with purple skin, fruits present. 100 plants present. Wild. Also collected as tubers. Wild. Seed.

PI 558370 to 558372. Solanum agrimonifolium Rydb. SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 20, 1989.

PI 558370 to 558372-continued

PI 558371  
**donor id:** SHGRF 4211. **origin:** Mexico. **collected:** September 24, 1988. **collector id:** SHGF 4211. **locality:** Cerro del Boqueron at Barrio Pizarrin, in woods, on W side of road, 17.4 km N of Route 190 of Motozintla de Mendoza on road to Siltepec. **latitude:** 15 deg. 25 min. **longitude:** 92 deg. 18 min. **elevation:** 2330m. **remarks:** Openings in woods. Most plants immature with few or no flowers, this collection with mature fruits, fruits long-ovoid, tapering to apex, stems to 0.7 m long. Wild. Seed.

PI 558372  
**donor id:** SHGRF 4227. **origin:** Mexico. **collected:** September 29, 1988. **locality:** 12.1 km along road to microwave tower of Tzontehuitz, from San Cristobal de las Casas-Tenejapa road, 0.1 km downhill from microwave tower, along roadside. **latitude:** 16 deg. 20 min. **longitude:** 92 deg. 17 min. **elevation:** 2790m. **remarks:** Flowers blue, rotate, fruit ovate-conical, verrucose. Wild. Seed.

PI 558373 to 558377. *Solanum bulbocastanum Dunal subsp. bulbocastanum*  
**SOLANACEAE**  
*Potato*

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  
**Received October 20, 1989.**

PI 558373  
**donor id:** SHGRF 4054. **origin:** Mexico. **collected:** August 28, 1988. **locality:** Along road from Zitacuaro to San Andres to Cerro El Cacique, 1.8 km past San Andres town square. **latitude:** 19 deg. 25 min. **longitude:** 100 deg. 18 min. **elevation:** 2250m. **remarks:** Growing among volcanic boulders on ground and walls. No mature fruits found. Wild. Tuber.

PI 558374  
**donor id:** SHGRF 4057. **origin:** Mexico. **collected:** August 29, 1988. **locality:** In field on NW corner of Route 15 and road to Maravatio. **latitude:** 19 deg. 42 min. **longitude:** 100 deg. 31 min. **elevation:** 2080m. **remarks:** In grass field with Opuntia and low shrubs; very rocky soil. Wild. Seed.

PI 558375  
**donor id:** SHGRF 4078. **origin:** Mexico. **collected:** August 31, 1988. **locality:** At km 21 marker along Route 120 S of Morelia, on W side of Route 120. **latitude:** 19 deg. 35 min. **longitude:** 101 deg. 18 min. **elevation:** 2080m. **remarks:** In rocky soil among cacti and shrubs. Plants 0.5 m tall; flowers stellate and cream colored. Also collected as tubers. Wild. Seed.
PI 558373 to 558377-continued


PI 558377  donor id: SHGRF 4185. origin: Mexico. collected: September 20, 1988. collector id: SHGF 4185. locality: 9.0 km SW of town square of Santa Catarina Cuixtla, SW of Miahuatlan de Porfirio Diaz, at km 16.5. latitude: 16 deg. 16 min. longitude: 96 deg. 41 min. elevation: 2090m. remarks: Open rocky hillside. Some plants have leaves with lateral leaflets; flowers stellate and cream, fruits round and green. Wild. Seed.

PI 558378 to 558379. Solanum bulbocastanum subsp. partitum (Correll) Hawkes SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 20, 1989.

PI 558378  donor id: SHGRF 4222. origin: Mexico. collected: September 27, 1988. collector id: SHGF 4222. locality: On NE side of Route 190 near Atenango del Valle, 1.8 km SE of junction of this road and road to Las Rosas. latitude: 16 deg. 30 min. longitude: 92 deg. 28 min. elevation: 1800m. remarks: By sand quarry, in recently disturbed soil. Flowers stellate and cream colored, fruit round, light green with slightly darker green streaking. Wild. Seed.


PI 558380. Solanum cardiophyllum Lindley var. cardiophyllum SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 20, 1989.
PI 558380-continued


PI 558381 to 558384. Solanum clarum Correll SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received October 20, 1989.


PI 558384  donor id: SHGRF 4218.  origin: Mexico.  collected:  
September 25, 1988.  collector id: SHGF 4218.  locality:  
9.1 km S of town square of El Porvenir on road to Route  
190 S of Motozintla de Mendoza, about 50 km E of road.  
latitude: 15 deg. 27 min..  longitude: 92 deg. 16 min..  
elevation: 2830m.  remarks: In mature pine forest in a  
dense cover of pine needles. Most plants immature, but a  
few plants with mature fruits; flowers stellate,  
whitish-purple, fruits round, light green. Also collected  
as tubers.  Wild.  Seed.

PI 558385 to 558393.  Solanum demissum Lindley  SOLANACEAE  Potato  

Donated by:  Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula  
Experiment Station, Sturgeon Bay, Wisconsin, United States.  
Received October 20, 1989.

PI 558385  donor id: SHGRF 4008.  origin: Mexico.  collected:  
August 22, 1988.  collector id: SHG 4008.  locality: 100 km S of  
junction of Route 130 and road to Nvo. de Toluca, near La  
Puerta.  latitude: 19 deg. 13 min..  longitude: 99 deg.  
47 min..  elevation: 3080m.  remarks: Picea forest.  
Flowers shaped rotate and colored dark blue.  Wild.

PI 558386  donor id: SHGRF 4010.  origin: Mexico.  collected:  
August 22, 1988.  collector id: SHG 4010.  locality: Near  
roadside, near junction of road S of Route 130 and spur  
road that goes directly to the top of Nvo. de Toluca.  
latitude: 19 deg. 09 min..  longitude: 99 deg. 48 min..  
elevation: 3465m.  remarks: Fruits round, blunt leaves.  
Wild.  Seed.

PI 558387  donor id: SHGRF 4017.  origin: Mexico.  collected:  
August 23, 1988.  collector id: SHG 4017.  locality: On road to  
top of Nvo. de Toluca, E of Route 3, S of Route 120.  
latitude: 19 deg. 08 min..  longitude: 99 deg. 47 min..  
elevation: 3800m.  remarks: Eroded hillside in pine  

PI 558388  donor id: SHGRF 4041.  origin: Mexico.  collected:  
August 27, 1988.  collector id: SHG 4041.  locality: On slope on  
N side of Route 15, 7 miles E of Macho de Agua (E of  
Zitacuaro), 0.3 km W of Mexico-Michoacan states border.  
latitude: 19 deg. 27 min..  longitude: 100 deg. 12 min..  
elevation: 2820m.  remarks: In pine woods.  Wild.  Seed.
PI 558389  donor id: SHGRF 4261. origin: Mexico. collected: October 15, 1988. collector id: SG 4261. locality: On slope on N side of Route 15, 7 miles E of Macho de Agua (E of Zitacuaro), 0.3 km W of Mexico-Michoacan states border. latitude: 19 deg. 27 min. longitude: 100 deg. 12 min.. elevation: 2820m. remarks: In pine woods. Wild. Seed.


PI 558393  donor id: SHGRF 4266. origin: Mexico. collected: October 17, 1988. collector id: SG 4266. locality: Just N of steam power station on W side of road from Route 15, W of Cd Hidalgo to Ucareo-Querendaro Road, 4 km N of Laguna Larga. latitude: 19 deg. 49 min.. longitude: 100 deg. 40 min.. elevation: 2280m. remarks: Growing at edge of pine fir forest. Most plant immature. Wild. Seed.

PI 558394 to 558398. Solanum fendleri A. Gray subsp. fendleri
SOLANACEAE  Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 20, 1989.
PI 558394 to 558398-continued

PI 558394  donor id: SHGRF 4234. origin: Mexico. collected: October 08, 1988. collector id: SG 4234. locality: In the Sierra la Laguna, on a footpath to La Laguna marsh on top of Sierra, ENE of Todos Santos. latitude: 23 deg. 32 min.. longitude: 110 deg. 03 min.. elevation: 1180m. remarks: In sandy soil among Leguminosae shrubs. Fruits mature, round, and white to very light green, flowers absent; stems to 0.3 m long. Wild. Seed.

PI 558395  donor id: SHGRF 4237. origin: Mexico. collected: October 08, 1988. collector id: SG 4237. locality: In the Sierra la Laguna, on a footpath to La Laguna, marsh on top of Sierra, ENE of Todos Santos. latitude: 23 deg. 32 min.. longitude: 110 deg. 01 min.. elevation: 1600m. remarks: Growing with Soltole and Quercus. Fruits mature. Wild. Seed.

PI 558396  donor id: SHGRF 4239. origin: Mexico. collected: October 08, 1988. collector id: SG 4239. locality: In the Sierra La Laguna, on a footpath to La Laguna marsh on top of Sierra, ENE of Todos Santos. latitude: 23 deg. 32 min.. longitude: 109 deg. 99 min.. elevation: 1750m. remarks: In pine oak forest. Flowers absent, fruits round, green with white mottling. Wild. Seed.

PI 558397  donor id: SHGRF 4241. origin: Mexico. collected: October 11, 1988. collector id: SG 4241. locality: At rail road km 171.5, about 3 km SW of Bauchivo Rail road station, Los Mochis-Chihuahua rail road, about 250 m SE of rail road line across stream. latitude: 27 deg. 18 min.. longitude: 108 deg. 05 min.. elevation: 1550m. remarks: Oak juniper forest. Most plants dead, only very mature fruits remaining; flowers absent, fruit round, dark green with white spots. Wild. Seed.

PI 558398  donor id: SHGRF 4245. origin: Mexico. collected: October 12, 1988. collector id: SG 4245. locality: In arroyos on SE side of rail road line at San Rafael, on N side of town. latitude: 27 deg. 30 min.. longitude: 107 deg. 53 min.. elevation: 2150m. remarks: In Quercus, Pinus, Madrono forest. Plants almost all dead, fruits very mature. Also collected as tubers. Wild. Seed.

PI 558399 to 558400. Solanum hintonii Correll SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received October 20, 1989.
PI 558399 to 558400—continued

PI 558399  donor id: SHGRF 4033.  origin: Mexico.  collected: August 25, 1988.  collector id: SHG 4033.  locality: 6.5 km SW of Temascaltepec-Valle de Bravo road, on road to San Pedro Tenayac, on S side of road, about 50 m downstream of bridge over road.  latitude: 19 deg. 02 min..  longitude: 100 deg. 06 min..  elevation: 1860m.  remarks: Along streambank in area with pine and oak; some in moss.  Flowers stellate and white, fruit conical, green and white mottle.  Wild.  Seed.

PI 558400  donor id: SHGRF 4034.  origin: Mexico.  collected: August 25, 1988.  collector id: SHG 4034.  locality: 6.5 km SW of Temascaltepec-Valle de Bravo road, on road to San Pedro Tenayac, on N side of road, about 100 m upstream of bridge over road.  latitude: 19 deg. 02 min..  longitude: 100 deg. 06 min..  elevation: 1860m.  remarks: By streamside.  Wild.  Seed.

PI 558401 to 558407.  Solanum hougasii Correll  SOLANACEAE  Potato

Donated by:  Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  Received October 20, 1989.

PI 558401  donor id: SHGRF 4091b.  origin: Mexico.  collected: September 01, 1988.  collector id: SHG 4091b.  locality: Along microwave tower road off dirt road beginning about 5 km NE of Capacuaro, about 6.5 km from beginning of this microwave tower road.  latitude: 19 deg. 35 min..  longitude: 102 deg. 02 min..  elevation: 3000m.  remarks: Pine-oak woods, in recently burned-over area.  Plants not yet in fruit; flowers rotate-stellate and colored light blue and white mottled.  Wild.  Seed.

PI 558402  donor id: SHGRF 4124.  origin: Mexico.  collected: September 07, 1988.  collector id: SHGR 4124.  locality: New microwave tower road to top of Nevado de Colima, 24 km from beginning of this road which begins about 0.5 km SE of La Mesa y el Fresnito.  latitude: 19 deg. 34 min..  longitude: 103 deg. 35 min..  elevation: 3135m.  remarks: Flowers white, rotate-stellate, fruits verrucose; plants to 0.3 m tall.  Also collected as tubers.  Wild.  Seed.
PI 558403  donor id: SHGRF 4129. origin: Mexico. collected: September 08, 1988. collector id: SHGR 4129. locality: On microwave tower road 8.8 km S of Alista-La Mesa y el Fresnito road, road begins just E of Sayulapa, next to Microwave tower Viboras. latitude: 19 deg. 36 min.. longitude: 103 deg. 35 min.. elevation: 2920m. remarks: In open grassy field in rocky soil. Flowers rotate-stellate, and white; plants to 0.4 m tall. Wild. Tuber.

PI 558404  donor id: SHGRF 4132. origin: Mexico. collected: September 08, 1988. collector id: SHGR 4132. locality: On microwave tower road which begins just E of Sayulapa on Alista-La Mesa y el Fresnito road, 3.3 km from top of microwave tower of Viboras. latitude: 19 deg. 37 min.. longitude: 103 deg. 35 min.. elevation: 2700m. remarks: Flowers rotate-stellate, rose-blue and white, fruits round-ellipsoid. Wild. Seed.


PI 558406  donor id: SHGRF 4285. origin: Mexico. collected: October 20, 1988. collector id: SG 4285. locality: On S side of Cerro Burro, on road to microwave tower, 12.6 km W of town square of Nuevo San Juan Parangaricuatro, on road to Tancitaro. latitude: 19 deg. 24 min.. longitude: 102 deg. 14 min.. elevation: 2350m. remarks: Disturbed soil of landfall on S side of road, pine woods. Flowers and mature fruits present. Wild. Seed.

PI 558407  donor id: SHGRF 4286. origin: Mexico. collected: October 20, 1988. collector id: SG 4286. locality: Along roadside, 8.2 km from dirt road NE of Capacuaro, on road to microwave tower. latitude: 19 deg. 35 min.. longitude: 102 deg. 02 min.. elevation: 3050m. remarks: Disturbed soil in pine oak fir forest, recently burned. Wild. Tuber.

PI 558408. Solanum hybrid SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 20, 1989.
donor id: SHGRF 4110. origin: Mexico. collected: September 05, 1988. collector id: SHGR 4110. locality: Bosque Escuela de Universidad de Guadalajara, about 3 km NW of Cuxpala, about 10 km SSE of Tala, about 2 km N of Observatory Building. latitude: 20 deg. 35 min.. longitude: 103 deg. 39 min.. elevation: 1440m. remarks: By streamside in Quercus resinosa and Acacia forest. Plants with general appearance of bulbocastanum but leaves with lateral leaflets; S. cardiophyllum grows in the area. Wild. Tuber.

PI 558409 to 558433. Solanum iopetalum (Bitter) Hawkes SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received October 20, 1989.

PI 558409 donor id: SHGRF 4021. origin: Mexico. collected: August 24, 1988. collector id: SHG 4021. locality: On S side of road from Route 130 (134) to Valle de Bravo, 3 km W of Rt 130. latitude: 19 deg. 10 min.. longitude: 99 deg. 56 min.. elevation: 3350m. remarks: In pine forest. Fruits very small during this time. Collected as brachycarpum. Wild. Seed.

PI 558410 donor id: SHGRF 4024a. origin: Mexico. collected: August 24, 1988. collector id: SHG 4024a. locality: About 0.25 km S of road from Route 130 (134) to Valle de Bravo, 8 km E of Route 130. latitude: 19 deg. 10 min.. longitude: 100 deg. 00 min.. elevation: 2900m. remarks: In shaded pine forest in rich loamy soil on floodplain. Fruits possibly immature at this time; flowers shaped rotate and colored light blue with some white streaking; plants 0.2 m tall. Also collected as tubers. Collected as S. brachycarpum. Wild. Seed.

PI 558411 donor id: SHGRF 4250. origin: Mexico. collected: October 15, 1988. collector id: SG 4250. locality: About 0.25 km S of road from Route 130 (134) to Valle de Bravo, 8 km E of Rt 130. latitude: 19 deg. 10 min.. longitude: 100 deg. 00 min.. elevation: 2900m. remarks: In shaded pine forest in rich loamy soil, on floodplain. Fruits elliptical. Collected as brachycarpum. Wild. Seed.
PI 558412 donor id: SHGRF 4026. origin: Mexico. collected: August 24, 1988. collector id: SHG 4026. locality: About 200 m N of road from Route 130 (134) to Valle de Bravo, 2 km E of San Ramon. latitude: 19 deg. 10 min.. longitude: 100 deg. 01 min.. elevation: 2450m. remarks: In pine forest. Collected as brachycarpum. Wild. Seed.

PI 558413 donor id: SHGRF 4255. origin: Mexico. collected: October 15, 1988. collector id: SG 4255. locality: About 200 m N of road from Route 130 (134) to Valle de Bravo, 2 km E of San Ramon. latitude: 19 deg. 10 min.. longitude: 100 deg. 01 min.. elevation: 2450m. remarks: In pine forest. Collected as brachycarpum. Wild. Seed.

PI 558414 donor id: SHGRF 4040. origin: Mexico. collected: August 27, 1988. collector id: SHG 4040. locality: On slope on N side of Route 15, 7 miles E of Macho de Agua (E of Zitacuaro), 0.3 km W of Mexico-Michoacan states border. latitude: 19 deg. 27 min.. longitude: 100 deg. 12 min.. elevation: 2820m. remarks: In pine woods. Flowers rotate-stellate and colored dark pinkish blue. Collected as brachycarpum. Wild. Seed.

PI 558415 donor id: SHGRF 4260. origin: Mexico. collected: October 15, 1988. collector id: SG 4260. locality: On slope on N side of Route 15, 7 miles E of Macho de Agua (E of Zitacuaro), 0.3 km W of Mexico-Michoacan states border. latitude: 19 deg. 27 min.. longitude: 100 deg. 12 min.. elevation: 2820m. remarks: In pine woods. Collected as brachycarpum. Wild. Seed.


PI 558421 donor id: SHGRF 4086b. origin: Mexico. collected: September 01, 1988. collector id: SHG 4086b. locality: Along dirt road, 1.7 km NE of Capacuaro, on S side of road. latitude: 19 deg. 34 min. longitude: 102 deg. 01 min. elevation: 2320m. remarks: In oak forest. Flowers galled and enlarged with red larvae inside, no mature fruits present; flowers rotate and dark pinkish-blue. Collected as brachycarpum. Wild.


PI 558423 donor id: SHGRF 4117. origin: Mexico. collected: September 06, 1988. collector id: SHGR 4117. locality: On road from Llanitos to Cruz de Garibay, S of Cd Guzman, 1 km S of Alotitlan, 0.5 km N of church on E side of road, about 100 m W of road. latitude: 19 deg. 16 min. longitude: 103 deg. 15 min. elevation: 1910m. remarks: Collected as brachycarpum. Wild. Tuber.

PI 558424 donor id: SHGRF 4121. origin: Mexico. collected: September 07, 1988. collector id: SHGR 4121. locality: New microwave tower road to top of Nevado de Colima, 16 km from beginning of this road which begins about 0.5 km SE of La Mesa y el Fresnito. latitude: 19 deg. 35 min. longitude: 103 deg. 34 min. elevation: 2710m. remarks: Abies religiosa forest in very loose black loamy soil. Flowers rotate-stellate, light blue with white mottling. received as: Solanum brachycarpum. Wild. Tuber.
PI 558409 to 558433-continued

PI 558425  donor id: SHGRF 4131. origin: Mexico. collected: September 08, 1988. collector id: SHGR 4131. locality: On microwave tower road which begins just E of Sayulapa on Alista-La Mesa y el Fresnito road, 3.1 km from top of microwave tower Viboras. latitude: 19 deg. 37 min.. longitude: 103 deg. 35 min.. elevation: 2700m. remarks: Flowers blue and white-mottled, immature, ellipsoid. Collected as brachycarpum. Wild. Tuber.

PI 558426  donor id: SHGRF 4133. origin: Mexico. collected: September 08, 1988. collector id: SHGR 4133. locality: On microwave tower road which begins just E of Sayulapa on Alista-La Mesa y el Fresnito road, 3.3 km from top of microwave tower Viboras. latitude: 19 deg. 37 min.. longitude: 103 deg. 35 min.. elevation: 2700m. remarks: Flowers blue, and fruits ellipsoid. Collected as brachycarpum. Wild. Seed.


PI 558428  donor id: SHGRF 4167. origin: Mexico. collected: September 18, 1988. collector id: SHGRF 4167. locality: Along E side of Route 175, S of Miahuatlan de Porfirio Diaz, 2.8 km S of S end of San Miguel Suchixtepec. latitude: 16 deg. 05 min.. longitude: 96 deg. 27 min.. elevation: 2260m. remarks: Pine woods. Collected as brachycarpum. Wild. Seed.


PI 558430  donor id: SHGRF 4192. origin: Mexico. collected: September 21, 1988. collector id: SHGRF 4192. locality: At km 22.5 (by posted km marker), W of main road in Zaachila, on dirt road toward Santa Ines del Monte. latitude: 16 deg. 57 min.. longitude: 96 deg. 51 min.. elevation: 2600m. remarks: Pine oak forest. Collected as brachycarpum. Wild. Seed.


PI 558434 to 558435.  Solanum lesteri Hawkes & Hjert.  SOLANACEAE
Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 20, 1989.

PI 558434  donor id: SHGRF 4155.  origin: Mexico.  collected: September 16, 1988.  collector id: SHGF 4155.  locality: On W side of Route 125, 3.4 km S of Route 190, just S of San Juan Teposcolula.  latitude: 17 deg. 33 min..  longitude: 97 deg. 26 min..  elevation: 2250m.  remarks: Growing out of rock wall. Flowers rotate-stellate and white fruits wedge-shaped, tapering from base to apex with median longitudinal groove; 4 plants, strong unpleasant odor of S. polydenium. Wild. Seed.

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PI 558435 donor id: SHGRF 4177. origin: Mexico. collected: September 19, 1988. collector id: SHGF 4177. locality: Along E side of Route 175, at km 134.1, about 50 m off road; up a slope, S of Miahuatlan de Porfirio Diaz. latitude: 16 deg. 13 min.. longitude: 96 deg. 32 min.. elevation: 2390m. remarks: Quercus, Pinus, Alnus woods. Flowers rotate-stellate and white, fruits wedge-shaped, tapering from base to apex with a median longitudinal groove; plants with un [D [D [D [D [D like S. polyadenium. Wild. Seed.

PI 558436 to 558441. Solanum morelliforme Bitter & Muench SOLANACEAE

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 20, 1989.

PI 558436 donor id: SHGRF 4024b. origin: Mexico. collected: August 24, 1988. collector id: SHG 4024b. locality: On S side of road from Route 130 (134) to Valle de Bravo, 2 km E of San Ramon. latitude: 19 deg. 10 min.. longitude: 100 deg. 01 min.. elevation: 2450m. remarks: In pine forest on rotting log. Possibly immature fruits at this time. Wild. Tuber.

PI 558437 donor id: SHGRF 4254. origin: Mexico. collected: August 24, 1988. collector id: SG 4254. locality: On S side of road from Route 130 (134) to Valle de Bravo, 2 km E of San Ramon. latitude: 19 deg. 10 min.. longitude: 100 deg. 01 min.. elevation: 2450m. remarks: In pine forest on rotting log. Wild. Seed.

PI 558438 donor id: SHGRF 4051. origin: Mexico. collected: August 28, 1988. collector id: SHG 4051. locality: SE side of Cerro El Cacique, E of main road, S from Zitacuaro. latitude: 19 deg. 23 min.. longitude: 100 deg. 18 min.. elevation: 2350m. remarks: Mixed oak woods on mossy rock. Flowers shaped stellate and colored white with dark purple center, fruit shaped round and colored green; plants 0.1 m tall. Also collected as tubers. Wild. Seed.

PI 558439 donor id: SHGRF 4088b. origin: Mexico. collected: September 01, 1988. collector id: SHG 4088b. locality: Along dirt road, 1.7 km NE of Capacuaro, on S side of road. latitude: 19 deg. 34 min.. longitude: 102 deg. 01 min.. elevation: 2320m. remarks: Epiphyte of oak trees. Flowers stellate and white, fruits round, green and smooth. Wild. Seed.
PI 558440 donor id: SHGRF 4219. origin: Mexico. collected: September 27, 1988. collector id: SHGF 4219. locality: 2.1 km W of road to microwave tower Laguana Chamula on W side of Route 190. latitude: 16 deg. 30 min.. longitude: 92 deg. 19 min.. elevation: 2400m. remarks: Epiphyte on fallen tree. Stems to 0.2 m long; flowers stellate, white, fruit round and light green. Wild. Seed.

PI 558441 donor id: SHGRF 4225. origin: Mexico. collected: September 27, 1988. collector id: SHGF 4225. locality: 3.3 km N of Route 190 on road to Ocosingo, N side of road. latitude: 16 deg. 45 min.. longitude: 92 deg. 35 min.. elevation: 2300m. remarks: On rotting log in mature woods. Wild. Seed.

PI 558442. Solanum pinnatisectum Dunal SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 20, 1989.


PI 558443 to 558445. Solanum polyadenium Greenman SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 20, 1989.

PI 558443 donor id: SHGRF 4067. origin: Mexico. collected: August 30, 1988. collector id: SHG 4067. locality: On S slope of Cerro Punhuato, N of Route 15, about 2 km E of E end of Morelia, about 100 m from television tower. latitude: 19 deg. 41 min.. longitude: 101 deg. 07 min.. elevation: 2150m. remarks: Plants 1.3 m tall; flowers shaped rotate-stellate and colored white, fruits round. Wild. Seed.
PI 558443 to 558445-continued

PI 558444  donor id: SHGRF 4076.  origin: Mexico.  collected: August 30, 1988.  collector id: SHG 4076.  locality: On E side of Route 120 S of Morelia, about 0.5 km N of El Reparo.  latitude: 19 deg. 34 min..  longitude: 101 deg. 18 min..  elevation: 2080m.  remarks: Flowers shaped rotate-stellate, colored white, fruit shaped round.  Wild.  Seed.

PI 558445  donor id: SHGRF 4081.  origin: Mexico.  collected: August 31, 1988.  collector id: SHG 4081.  locality: along Route 120 S of Morelia, 27.5 km (by roadside markers), S of Morelia.  latitude: 19 deg. 34 min..  longitude: 101 deg. 21 min..  elevation: 2080m.  remarks: Flowers shaped rotate-stellate and white.  Wild.  Seed.

PI 558446 to 558455.  Solanum polytrichon Rydb.  SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  Received October 20, 1989.


PI 558448  donor id: SHGRF 4109.  origin: Mexico.  collected: September 05, 1988.  collector id: SHGR 4109.  locality: Bosque Escuela de Universidad de Guadalajara, about 3 km NW of Cuxpala, about 10 km SSE of Tala, about 2 km N of Observatory Building.  latitude: 20 deg. 35 min..  longitude: 103 deg. 39 min..  elevation: 1440m.  remarks: By streamside in Quercus resinosa and Acacia forest.  Flowers shaped rotate-stellate and white, fruit round, dark green above, fading to lighter green below.  Wild.  Seed.
PI 558449  
donor id: SHGRF 4118.  
origin: Mexico.  
collector id: SHGR 4118.  
locality: New microwave tower road to top of Nevado de Colima, at edge of cornfield, 6 km from beginning of this road which begins about 0.5 km SE of La Mesa y el Fresnito.  
latitude: 19 deg. 35 min..  
longitude: 103 deg. 32 min..  
elevation: 1775m.  
remarks: Fruits shaped round and colored very light green with some dark streaking. Wild. Seed.

PI 558450  
donor id: SHGRF 4137.  
origin: Mexico.  
collector id: SHGR 4137.  
locality: On microwave tower road to Cerro Grande, SE of Sante Fe, 1.1 km downhill of top of town.  
latitude: 20 deg. 30 min..  
longitude: 103 deg. 02 min..  
elevation: 2220m.  
remarks: Frequent in oak forest. Fruits somewhat verrucose; flowers rotate-stellate and white, fruits round, green with whitish bumps. Wild. Seed.

PI 558451  
donor id: SHGRF 4140.  
origin: Mexico.  
collector id: SHGR 4140.  
locality: On microwave tower road to Cerre Grande, SE of Santa Fe, 0.7 km downhill of top of tower.  
latitude: 20 deg. 30 min..  
longitude: 103 deg. 02 min..  
elevation: 2230m.  

PI 558452  
donor id: SHGRF 4144.  
origin: Mexico.  
collector id: SHGR 4144.  
locality: 2.4 km NE of Route 45, on dirt road between Lagos de Moreno and Leon, dirt road begins 15.6 km NW of Jalisco-Guanajuato states border.  
latitude: 21 deg. 17 min..  
longitude: 101 deg. 47 min..  
elevation: 2000m.  
remarks: In woods adjacent to cornfields. Plants sterile. Wild. Tuber.

PI 558453  
donor id: SHGRF 4145.  
origin: Mexico.  
collector id: SHGR 4145.  
locality: 2.4 km NE of Route 45 on dirt rd in between Lagos de Moreno and Leon, dirt road beginsd 15.6 km NW of Jalisco-Guanajuato stated border.  
latitude: 21 deg. 17 min..  
longitude: 101 deg. 47 min..  
elevation: 2000m.  
remarks: Growing in cornfields. Plants with mature fruits; fruits round, very light green with some darker green mottling. Wild. Seed.

PI 558454  
donor id: SHGRF 4146.  
origin: Mexico.  
collector id: SHG 4146.  
locality: On E side of Route 57, SE of San Juan del Rio, about 2 km N of Palmillas.  
latitude: 20 deg. 20 min..  
longitude: 99 deg. 56 min..  
elevation: 2150m.  
Wild. Seed.
PI 558455

**donor id:** SHGRF 4149.  **origin:** Mexico.  **collected:**
September 10, 1988.  **collector id:** SHG 4149.  **locality:**
On E side of Route 57, SE of San Juan del Rio, about 2 km N of Palmillas.  **latitude:** 20 deg. 20 min..  **longitude:**
91 deg. 56 min..  **elevation:** 2150m.  Wild.  Seed.

PI 558456 to 558458.  Solanum schenckii Bitter  SOLANACEAE  Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received October 20, 1989.

PI 558456

**donor id:** SHGRF 4194.  **origin:** Mexico.  **collected:**
September 22, 1988.  **collector id:** SHGF 4194.  **locality:**
In clearing in shrubs around microwave tower, 1.9 km SE of Route 175 N of Oaxaca City, on road to Yuquila, about 16 km NNE of outer Oaxaca City.  **latitude:** 17 deg. 09 min..  **longitude:** 96 deg. 36 min..  **elevation:** 2690m.  **remarks:** Area of oak woods.  Fruit ovoid, green with white mottling.  Wild.  Seed.

PI 558457

**donor id:** SHGRF 4199.  **origin:** Mexico.  **collected:**
September 22, 1988.  **collector id:** SHGF 4199.  **locality:**
Along E side of Route 175, 17.9 km N of N entrance to Ixtlan de Juarez, about 0.5 km S of posted km 137 sign.  **latitude:** 17 deg. 27 min..  **longitude:** 96 deg. 30 min..  **elevation:** 2720m.  **remarks:** Growing under Pinus and Agave.  Wild.  Seed.

PI 558458

**donor id:** SHGRF 4231.  **origin:** Mexico.  **collected:**
September 30, 1988.  **collector id:** SHGF 4231.  **locality:**
Toll road from Orizuba to Puebla, at km 228 (by posted km signs), by bridge crossing, about 5 km E of Esperanza rail road station.  **latitude:** 18 deg. 51 min..  **longitude:** 97 deg. 21 min..  **elevation:** 2600m.  **remarks:**
Growing under Pinus and Agave.  Wild.  Seed.

PI 558459 to 558461.  Solanum stenophyllidium Bitter  SOLANACEAE  Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received October 20, 1989.

PI 558459

**donor id:** SHGRF 4091a.  **origin:** Mexico.  **collected:**
September 03, 1988.  **collector id:** SHGR 4091a.  **locality:**
On W side of microwave tower road on Volcan Tequila, 5.5 km N of rail road tracks at base of Volcan Tequila just S of town of Tequila.  **latitude:** 20 deg. 49 min..  **longitude:** 103 deg. 51 min..  **elevation:** 1600m.  **remarks:**
In Quercus resinosa forest among volcanic rocks.  Wild.  Seed.
PI 558460 donor id: SHGRF 4104. origin: Mexico. collected: September 04, 1988. collector id: SHGR 4104. locality: Road from N side of Guadalajara, past side road to San Francisco Tesistan to San Cristobal de la Barranca, on W side of road, 20.5 km (by posted km signs), N of Guadalajara, about 0.5 km S of Mirador. latitude: 21 deg. 00 min.. longitude: 103 deg. 25 min.. elevation: 1400m. remarks: Quercus resinosa savanna, rocky soil, recently burned area. Flowers stellate and white, plants 0.1 dm tall, wide variation of leaf shapes in this population. Wild. Seed.

PI 558461 donor id: SHGRF 4113. origin: Mexico. collected: September 05, 1988. collector id: SHGR 4113. locality: Bosque Escuela de Universidad de Guadalajara, about 3 km Cuxpala, about 10 km SSE of Tala, about 2 km N of Observatory Building. latitude: 20 deg. 35 min.. longitude: 103 deg. 39 min.. elevation: 1440m. remarks: By streamside in Quercus resinosa and Acacia forest. Wild. Tuber.

PI 558462 to 558477. Solanum stoloniferum Schldl. SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.
Received October 20, 1989.

PI 558462 donor id: SHGRF 4005. origin: Mexico. collected: August 21, 1988. collector id: SHG 4005. locality: Along roadside by cornfield just NE of Calimaya, about 2 km W of Route 55, S of Toluca. latitude: 19 deg. 10 min.. longitude: 99 deg. 37 min.. elevation: 2600m. remarks: Plants 0.2 m tall; flowers shaped rotate-stellate and color pinish-blue with white lines to petal lobes, darker blue behind. Wild. Seed.


PI 558464 donor id: SHGRF 4048. origin: Mexico. collected: August 27, 1988. collector id: SHG 4048. locality: At edge of garden by gravel road, 1 km S of Route 15 from just E of Macho de Agua. latitude: 19 deg. 26 min.. longitude: 100 deg. 13 min.. elevation: 2730m. remarks: Fruit round. Wild. Seed.


PI 558467  donor id: SHGRF 4069. origin: Mexico. collected: August 30, 1988. collector id: SHG 4069. locality: About 3 km W of W edge of Morelia, on N side of Route 15, about 0.5 km E of road diverting S to Cointzio. latitude: 19 deg. 41 min.. longitude: 101 deg. 17 min.. elevation: 2000m. remarks: Growing in field with small trees and thorny shrubs. Wild. Seed.


PI 558469  donor id: SHGRF 4080. origin: Mexico. collected: August 31, 1988. collector id: SHG 4080. locality: Along Route 120 S of Morelia, 27.5 km (by roadside markers), S of Morelia. latitude: 19 deg. 34 min.. longitude: 101 deg. 21 min.. elevation: 2080m. Wild. Seed.


PI 558474  donor id: SHGRF 4163. origin: Mexico. collected: September 17, 1988. collector id: SHGF 4163. locality: On Route 125, 98.5 km SW of Route 190 (by posted km signs), S of Santa Maria Asuncion Tlaxiaco. latitude: 17 deg. 15 min.. longitude: 97 deg. 42 min.. elevation: 2400m. remarks: Fruits green with longitudinal purple streaks. Wild. Seed.

PI 558475  donor id: SHGRF 4187. origin: Mexico. collected: September 20, 1988. collector id: SHGF 4187. locality: 3.0 km S of Miahuatlan de Porfirio Diaz-San Pedro Coatlan road, on rd to San Miguel Coatlan. latitude: 16 deg. 13 min.. longitude: 96 deg. 43 min.. elevation: 2110m. remarks: Oak forest, growing among rocks. Wild. Seed.

PI 558476  donor id: SHGRF 4191. origin: Mexico. collected: September 21, 1988. collector id: SHGF 4191. locality: At km 22.5 (by posted km marker), W of main road in Zaachila on dirt road toward Santa Ines del Monte. latitude: 16 deg. 57 min.. longitude: 96 deg. 51 min.. elevation: 2600m. remarks: Oak forest, growing among rocks. Wild. Seed.

PI 558477  donor id: SHGRF 4278. origin: Mexico. collected: October 19, 1988. collector id: SG 4278. locality: Roadside in sunny area, 4.1 km NW of Route 120 by Santa Maria Huiramangaro on road to San Francisco Pichataro. latitude: 19 deg. 31 min.. longitude: 101 deg. 47 min.. elevation: 2330m. remarks: Pine forest area, plants mostly past maturity. One round fruit found; herb. specimens at Mexico. Wild. Seed.

PI 558478 to 558481. Solanum trifidum Correll SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 20, 1989.
PI 558478 to 558493-

PI 558478  donor id: SHGRF 4283.  origin: Mexico.  collected: October 19, 1988.  collector id: SG 4283.  locality: On road from Route 120 NW to Cheran, 2.5 km SE of Serina.  latitude: 19 deg. 37 min..  longitude: 101 deg. 49 min..  elevation: 2650m.  remarks: In pastured area with pine trees, on steep slopes by arroyos.  Wild.  Seed.

PI 558479  donor id: SHGRF 4085.  origin: Mexico.  collected: August 31, 1988.  collector id: SHG 4085.  locality: On road from Route 120 NW to Cheran, 2.5 km SE of Serina.  latitude: 19 deg. 37 min..  longitude: 101 deg. 49 min..  elevation: 2650m.  remarks: In pastured area with pine trees, on steep slopes by arroyos.  Flowers stellate and white, fruit conical, green and smooth.  Wild.  Seed.

PI 558480  donor id: SHGRF 4089b.  origin: Mexico.  collected: September 01, 1988.  collector id: SHG 4089b.  locality: Along microwave tower road off of dirt road beginning about 5 km NE of Capacuaro, 5.9 km from beginning of this microwave tower road.  latitude: 19 deg. 35 min..  longitude: 102 deg. 02 min..  elevation: 2800m.  remarks: Pine-oak woods, recently burnt-over area.  Plants not yet in fruit.  Also collected as tubers.  Wild.  Seed.

PI 558481  donor id: SHGRF 4284.  origin: Mexico.  collected: October 19, 1988.  collector id: SG 4284.  locality: 7.2 km E of church on E side of Cherdan, on road to La Mojonica, on S side of road.  latitude: 19 deg. 40 min..  longitude: 101 deg. 98 min..  elevation: 3050m.  remarks: Pine oak area.  No flowers or fruits, only tubers collected.  Wild.  Tuber.

PI 558482 to 558493.  Solanum verrucosum Schdl.  SOLANACEAE  Potato

Donated by:  Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  Received October 20, 1989.

PI 558482  donor id: SHGRF 4019.  origin: Mexico.  collected: August 23, 1988.  collector id: SHG 4019.  locality: Along roadside, near junction of road S of Route 130 and spur road that goes directly to the top of Nvo. de Toluca.  latitude: 19 deg. 09 min..  longitude: 99 deg. 48 min..  elevation: 3465m.  remarks: Verucose fruit.  Large terminal leaflet.  Wild.  Seed.
PI 558483 donor id: SHGRF 4100. origin: Mexico. collected:
September 03, 1988. collector id: SHGR 4100. locality:
Along Volcan Tequila microwave tower road S of town of
Tequila, 17.3 km S of rail road tracks at base of Volcan
Tequila. latitude: 20 deg. 48 min.. longitude: 103 deg.
50 min.. elevation: 2600m. remarks: In oak woods.
Flowers rotate-stellate and light blue, fruits round to
oval, verrucose. Wild. Seed.

PI 558484 donor id: SHGRF 4102. origin: Mexico. collected:
September 03, 1988. collector id: SHGR 4102. locality:
Along Volcan Tequila microwave tower road S of town of
Tequila, on the top of the highermost of the two
microwave tower roads on the top of Volcan Tequila, under
oaks about edge of microwave tower. latitude: 20 deg. 48
min.. longitude: 103 deg. 51 min.. elevation: 2700m.
remarks: Some flowers white above, some blue above, some
plants fruiting only at base like S. demissum, but others
fruiting more above like Species Verrucosum. Wild.
Seed.

PI 558485 donor id: SHGRF 4122. origin: Mexico. collected:
September 07, 1988. collector id: SHGR 4122. locality:
New microwave tower road to top of Nevado de Colima, 16.5
km from beginning of this road which begins about 0.5 km
SE of La Mesa y el Fresnito, near waterfall. latitude:
19 deg. 35 min.. longitude: 103 deg. 34 min..
elevation: 2725m. remarks: Abies religiosa forest.
Plants to 1 m tall, growing in disturbed soil of land
slippage by road cut. Wild. Seed.

PI 558486 donor id: SHGRF 4123. origin: Mexico. collected:
September 07, 1988. collector id: SHGR 4123. locality:
New microwave tower road to top of Nevado de Colima, 23
km from beginning of this road which begins about 0.5 km
SE of La Mesa y el Fresnito. latitude: 19 deg. 34 min..
longitude: 103 deg. 35 min.. elevation: 3020m. remarks:
Abies forest, black loamy soil, in disturbed soil by
road. Plants to 0.3 m tall, fruit round-ovoid, green,
with prominent white bumps. Wild.

PI 558487 donor id: SHGRF 4125. origin: Mexico. collected:
September 07, 1988. collector id: SHGR 4125. locality:
New microwave tower road to top of Nevado de Colima, 24
km from beginning of this road which begins about 0.5 km
SE of La Mesa y el Fresnito. latitude: 19 deg. 34 min..
longitude: 103 deg. 35 min.. elevation: 3475m. remarks:
Flowers blue. Wild. Seed.
PI 558488  donor id: SHGRF 4127. origin: Mexico. collected: September 07, 1988. collector id: SHGR 4127. locality: New microwave tower road to top of Nevado de Colima which begins about 0.5 km SE of La Mesa y el Fresnito; 1.5 km W of Estacion de Vigilancia de Sedue. latitude: 19 deg. 34 min.. longitude: 31 deg. 35 min.. elevation: 3410m. Wild. Seed.


PI 558490  donor id: SHGRF 4130. origin: Mexico. collected: September 08, 1988. collector id: SHGR 4130. locality: On microwave tower road, 8.8 km S of Alista-La Mesa y el Fresnito road, road begins just E of Sayulapa, next to microwave. latitude: 19 deg. 36 min.. longitude: 103 deg. 35 min.. elevation: 2920m. remarks: In open grassy field in rocky soil. Wild. Tuber.


PI 558494 to 558496. Solanum x edinense Berthault SOLANACEAE Potato

Donated by: Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received October 20, 1989.
PI 558494

**donor id:** SHGRF 4007.  
**origin:** Mexico.  
**collected:** August 21, 1988.  
**collector id:** SHG 4007.  
**locality:** Along roadside, E of Tenango de Arista, about 2 km along road to Santa Maria Jalapa.  
**latitude:** 19 deg. 07 min.  
**longitude:** 99 deg. 35 min.  
**elevation:** 2540m.  
**remarks:** Next to cultivated potato field; common on roadside. Flowers shaped rotate and colored dark pink; fruits absent; plant 0.5 m tall. Wild.

PI 558495

**donor id:** SHGRF 4044.  
**origin:** Mexico.  
**collected:** August 27, 1988.  
**collector id:** SHG 4044.  
**locality:** At top of microwave tower road, N of Route 15, just E of Michoacan border, along roadside and edge of cornfields.  
**latitude:** 19 deg. 29 min.  
**longitude:** 100 deg. 12 min.  
**elevation:** 3000m.  
**remarks:** No fruit present. Wild.

PI 558496

**donor id:** SHGRF 4046a.  
**origin:** Mexico.  
**collected:** August 27, 1988.  
**collector id:** SHG 4046a.  
**locality:** At Rancho La Piedra, at top of microwave tower road, N of Route 15, just E of Mexico-Michoacan border; along roadside and edge of cornfields.  
**latitude:** 19 deg. 29 min.  
**longitude:** 100 deg. 12 min.  
**elevation:** 3000m.  
**remarks:** Fruits absent. Wild. Tuber.

PI 558497. Solanum x michoacanum (Bitter) Rydb. SOLANACEAE Potato

**Donated by:** Inter-Regional Potato Intro. Sta., USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States.  
**Received:** October 20, 1989.

**donor id:** SHGRF 4077.  
**origin:** Mexico.  
**collected:** August 31, 1988.  
**collector id:** SHG 4077.  
**locality:** At km 21 marker along Route 120 S of Morelia, on W side of Route 120.  
**latitude:** 19 deg. 35 min.  
**longitude:** 101 deg. 18 min.  
**elevation:** 2080m.  
**remarks:** In rocky soil among cacti and shrubs. Fruits common, but seeds few in these fruits, flowers stellate and white; plants 1 m tall. Also collected as tubers. Wild. Seed.

PI 558498. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Hallauer, A.R., Iowa Agr. Exp. Sta., Iowa State University, Ames, Iowa, United States; and Agricultural Research Service -- USDA.  
**Received:** November 27, 1991.
PI 558498-continued


PI 558499. Amaranthus hypochondriacus L. AMARANTHACEAE Amaranth

Donated by: Baltensperger, D.D., Nebraska Agr. Exp. Sta., University of Nebraska, Scottsbluff, Nebraska, United States; and Rodale Research Center. remarks: Plainsman Grain Amaranth. Received November 27, 1991.


PI 558500 to 558501. Oryza sativa L. POACEAE Rice


PI 558501  origin: United States.  origin institute: Agricultural Research Service -- USDA, University of California, Davis, California 95616.  cultivar: ST25M.  pedigree: From EMS treated M-201.  other id: GP-70.  group: CSR-RICE.  remarks: Male sterile. Lemma, palea, and leaf blades glabrous with some hairs on lemma keel and leaf blade margins. Sparserly awned. No anthocyanin pigmentation. Panicles completely exerted from leaf sheaths at maturity with average length of 18.3cm. Florets per panicle 172 with varying seed fertility for bagged (0-5%) and unbagged (0-70%). Hulled rice kernels light brown pericarp with white, non-glutinous. Breeding Material. Seed.

PI 558502. Trifolium incarnatum L.  FABACEAE  Crimson clover


origin: United States.  origin institute: Alabama Agr. Exp. Sta., Auburn University, Auburn, Alabama 36849-5412.  cultivar: AU ROBIN.  pedigree: Cycle 1 - 37 early flowering plants selected from Dixie OP seed planted to maternal rows. Cycle 2 - Up to 5 early flowering plants selected within each maternal row; OP seed constituted a line. AU Robin was best line.  other id: CV-6.  group: CSR-CLOVER, CRIMSON.  remarks: Developed in 2 cycles of modified mass selection for early flowering from Dixie. Blooms 8-13 days before Dixie. Early spring forage yield higher than Dixie. 100 seed weight is 0.384 +/- 0.011g. No selection pressure was applied for seed yield, insect or disease resistance. Winter Annual. Cultivar. Seed.
PI 558503. Nicotiana tabacum L. SOLANACEAE Tobacco

**Donated by:** Wilkinson, C.A., Virginia Agr. Exp. Sta., VPI & SU, Blackstone, Virginia, United States.  **remarks:** VA 403 Tobacco.  
Received December 05, 1991.


PI 558504. Nicotiana tabacum L. SOLANACEAE Tobacco

**Donated by:** Wilkinson, C.A., Virginia Agr. Exp. Sta., VPI & SU, Blackstone, Virginia, United States.  **remarks:** VA 405 Tobacco.  
Received December 05, 1991.


PI 558505 to 558507. Beta vulgaris L. CHENOPODIACEAE Sugar beet

**Donated by:** Hecker, R.J., Agricultural Research Service -- USDA, Fort Collins, Colorado, United States; and Sugar Beet Development Foundation; and Colorado State Univ. Exp. Sta.  Received December 05, 1991.


PI 558508. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Specht, J.E., Nebraska Agr. Exp. Sta., University of Nebraska, Lincoln, Nebraska, United States. remarks: Soybean Germplasm SG1E6. Received December 06, 1991.
PI 558508-continued

origin: United States. origin institute: Nebraska Agr. Exp. Sta., 309 KH, Lincoln, Nebraska 68583-0915. cultivar: SG1E6. pedigree: (SG1-ms2ms2) X (30-50 elite lines)6. Each year from 1985 - 1990, a group of elite lines and cultivars were mated to F2 ms2ms2 plants of the previous year's intermating. other id: GP-137. group: CSR-SOYBEAN. remarks: Population segregating for ms2 form of genetic male-sterility. Developed by quasi-backcross procedure that introgressed six annual sets of maturity group 00 to V elite germplasm in existing population SG1. The six sets were the best yielding lines (annually for six seasons) across the northcentral U.S. Exceptional germplasm for any northcentral U.S. breeding program. Breeding Material. Seed.

PI 558509. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Specht, J.E., Nebraska Agr. Exp. Sta., University of Nebraska, Lincoln, Nebraska, United States. Received December 06, 1991.

origin: United States. origin institute: Nebraska Agr. Exp. Sta., University of Nebraska, 309 KH, Lincoln, Nebraska 68583. cultivar: SG1. pedigree: (39 female ancestral and other lines) X (4 male lines ms2ms2). Intermated in 1983, 1984, and 1985 by advancing seed only from male-sterile plants. other id: GP-53. source: Crop Sci. 25(4):717-718 1985. group: CSR-SOYBEAN. remarks: Soybean population segregating for ms2 form of genetic male-sterility. Developed by crossing 39 ancestral germplasm (and a few other lines) to four lines heterozygous for ms2. In the F2 bulk generation of 156 crosses, only male-sterile plants bearing outcrossed seed were harvested and advanced. Two more random matings were conducted, the last in 1985. Contains considerable amount of genetic diversity. Useful. Breeding Material. Seed.

PI 558510. Triticum aestivum L. POACEAE Common wheat

PI 558510-continued


PI 558511. Oryza sativa L. POACEAE

Donated by: McKenzie, K.S., California Co-operative Rice, Res. Fnd., Inc., P.O. Box 306, Biggs, California, United States. Received December 02, 1991.


PI 558512. Nicotiana tabacum L. SOLANACEAE Tobacco


PI 558513 to 558515. Beta vulgaris L. CHENOPODIACEAE Sugar beet


PI 558514 origin: United States. origin institute: Agricultural Research Service -- USDA, Crops Research Lab., Colorado State University, United States, Colorado 80526. cultivar: FC402. pedigree: FC603(rr)/66211sl (R). other id: 911042HO. other id: PL-31. group: CSR-SUGARBEET. remarks: Diploid self-fertile monogerm O-type (maintainer) of its CMS equivalent FC402CMS. FC402CMS resulted from hybridization FC603CMS/662119sl, followed by two generations of random pollination by FC402. Resistance good to cercospora leaf spot. 52% green hypocotyl. FC402CMS combines well with AD-1, a multigerm tetraploid pollinator, to produce a triploid hybrid that has high recoverable. Biennial. Breeding Material. Seed.

PI 558515 origin: United States. origin institute: Agricultural Research Service -- USDA, Crops Research Lab., Colorado State University, United States, Colorado 80526. cultivar: FC403. pedigree: 662119sl/C562. other id: 911043HO. other id: PL-32. group: CSR-SUGARBEET. remarks: Diploid self-fertile monogerm O-type (maintainer) of its CMS equivalent FC403CMS. Developed from combination of the Fort Collins O-type cercospora resistant line (662119sl) and a Salinas, CA, O-type curly top resistant line (C562), then selected for green hypocotyl. The CMS was from 662119slCMS X C562. Resistance mild to curly top. Susceptible to leaf spot. 100% green hypocotyl. When. Biennial. Breeding Material. Seed.
PI 558516 to 558519. *Zea mays* L. subsp. *mays* POACEAE Field corn

**Donated by:** Missouri Agr. Exp. Sta., Columbia, Missouri, United States. Received 1991.

PI 558516  
**origin:** United States.  
**origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Columbia, Missouri.  
**cultivar:** MO 7.  
**pedigree:** Midland/T8.  
**other id:** PL-23.  
**group:** CSR-MAIZE.  

PI 558517  
**origin:** United States.  
**origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Columbia, Missouri.  
**cultivar:** MO 10.  
**pedigree:** Sister line selection of K201C.  
**other id:** PL-26.  
**group:** CSR-MAIZE.  

PI 558518  
**origin:** United States.  
**origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Columbia, Missouri.  
**cultivar:** MO 15W.  
**pedigree:** Developed from the open-pollinated variety Pipe Corn.  
**other id:** PL-31.  
**group:** CSR-MAIZE.  

PI 558519  
**origin:** United States.  
**origin institute:** Missouri Agr. Exp. Sta., University of Missouri, Columbia, Missouri.  
**cultivar:** MOECB2(S1)C5.  
**pedigree:** PR-Mo2/Mo-SQB.  
**other id:** GP-127.  
**group:** CSR-MAIZE.  

PI 558520 to 558534. *Zea mays* L. subsp. *mays* POACEAE Field corn

**Donated by:** Missouri Agr. Exp. Sta., Columbia, Missouri, United States. Received 1964.
PI 558520  
**cultivar**: MO 1W.  **pedigree**: Mo22/2*WF9.  **other id**: PL-18.  

PI 558521  
**cultivar**: MO 2RF.  **pedigree**: B2/3*33-16.  **other id**: PL-19.  

PI 558522  

PI 558523  

PI 558524  
**cultivar**: MO 6.  **pedigree**: Midland/T8.  **other id**: PL-22.  
cultivar: MO 8W. pedigree: Developed from the open-pollinated variety Pipe Corn. other id: PL-24. 

cultivar: MO 9W. pedigree: Developed from the open-pollinated variety Pipe Corn. other id: PL-25. 


PI 558520 to 558534-continued

PI 558530  
origin: United States.  
cultivar: MO 14W.  
pedigree: Mo22/WF9.  
other id: PL-30.  
group: CSR-MAIZE.  

PI 558531  
origin: United States.  
cultivar: MO 16W.  
pedigree: Developed from the open-pollinated variety Pipe Corn.  
other id: PL-32.  
group: CSR-MAIZE.  

PI 558532  
origin: United States.  
cultivar: MO 17.  
other id: PL-33.  
group: CSR-MAIZE.  

PI 558533  
origin: United States.  
cultivar: MO 21R.  
pedigree: H22/5Mo21A.  
other id: PL-36.  
group: CSR-MAIZE.  

PI 558535 to 558536. Humulus japonicus Siebold & Zucc. CANNABACEAE Hops

Donated by: Westwood, M.N., USDA/ARS/NCGR-Corvallis, 33447 Peoria Road, Corvallis, Oregon, United States. Received June 30, 1981.


PI 558537 to 558548. Humulus japonicus Siebold & Zucc. CANNABACEAE Hops


PI 558539  origin: United States.  cultivar: Tug Fork No. 3.  
pedigree: Collected from the wild in Kentucky.  locality:  
Along the Tug Fork River in eastern Kentucky.  latitude:  
37 deg. 30 min. N.  longitude: 84 deg. W.  remarks: All  
Plant.

PI 558540  origin: United States.  cultivar: Tug Fork No. 4.  
pedigree: Collected from the wild in Kentucky.  locality:  
Along the Tug Fork River in eastern Kentucky.  latitude:  
37 deg. 30 min. N.  longitude: 84 deg. W.  remarks: All  
Plant.

PI 558541  origin: United States.  cultivar: Tug Fork No. 5.  
pedigree: Collected from the wild in Kentucky.  locality:  
Along the Tug Fork River in eastern Kentucky.  latitude:  
37 deg. 30 min. N.  longitude: 84 deg. W.  remarks: All  
Plant.

PI 558542  origin: United States.  cultivar: Tug Fork No. 6.  
pedigree: Collected from the wild in Kentucky.  locality:  
Along the Tug Fork River in eastern Kentucky.  latitude:  
37 deg. 30 min. N.  longitude: 84 deg. W.  remarks: All  
Plant.

PI 558543  origin: United States.  cultivar: Tug Fork No. 7.  
pedigree: Collected from the wild in Kentucky.  locality:  
Along the Tug Fork River in eastern Kentucky.  latitude:  
37 deg. 30 min. N.  longitude: 84 deg. W.  remarks: All  
Plant.

PI 558544  origin: United States.  cultivar: Tug Fork No. 8.  
pedigree: Collected from the wild in Kentucky.  locality:  
Along the Tug Fork River in eastern Kentucky.  latitude:  
37 deg. 30 min. N.  longitude: 84 deg. W.  remarks: All  
Plant.

PI 558545  origin: United States.  cultivar: Tug Fork No. 9.  
pedigree: Collected from the wild in Kentucky.  locality:  
Along the Tug Fork River in eastern Kentucky.  latitude:  
37 deg. 30 min. N.  longitude: 84 deg. W.  remarks: All  
Plant.
PI 558537 to 558548-continued

PI 558546  
origin: United States.  
cultivar: Tug Fork No. 10.  
pedigree: Collected from the wild in Kentucky.  
locality: Along the Tug Fork River in eastern Kentucky.  
latitude: 37 deg. 30 min. N.  
longitude: 84 deg. W.  
remarks: All plants bore abundant flowers Aug-Sept.  
Annual.  
Wild.  
Plant.

PI 558547  
origin: United States.  
cultivar: Tug Fork No. 11.  
pedigree: Collected from the wild in Kentucky.  
locality: Along the Tug Fork River in eastern Kentucky.  
latitude: 37 deg. 30 min. N.  
longitude: 84 deg. W.  
remarks: All plants bore abundant flowers Aug-Sept.  
Annual.  
Wild.  
Plant.

PI 558548  
origin: United States.  
cultivar: Tug Fork No. 12.  
pedigree: Collected from the wild in Kentucky.  
locality: Along the Tug Fork River in eastern Kentucky.  
latitude: 37 deg. 30 min. N.  
longitude: 84 deg. W.  
remarks: All plants bore abundant flowers Aug-Sept.  
Annual.  
Wild.  
Plant.

PI 558549 to 558701.  
Humulus lupulus L.  
CANNABACEAE  
Hops

Donated by:  
Haunold, A., USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon, United States.  
Received March 25, 1982.

PI 558549  
origin: United States.  
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 19172M.  
pedigree: Cat's Tail x Fuggle-Fuggle seedling.  
other id: USDA 19172M.  
remarks: Valuable for breeding early, good-yielding hops.  
Perennial.  
Breeding Material.  
Plant.

PI 558550  
origin: United States.  
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 63013M.  
other id: USDA 63013M.  
remarks: Brother selection to USDA 63012.  
Perennial.  
Breeding Material.  
Plant.

PI 558551  
origin: United States.  
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 51101M.  
pedigree: Fuggle sdlg x (Landhop sdlg x Golden Cluster-Fuggle sdlg).  
other id: USDA 51101M.  
remarks: Excellent vigor and arm length, very good yield potential.  
Perennial.  
Breeding Material.  
Plant.
PI 558552 origin: United States. origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. cultivar: USDA 21061M. pedigree: (Late Grape sd x Fuggle-Fuggle sd) x (Stries.-Late Clus. sd). other id: USDA 21061M. remarks: Late, very good spring growth & arm development, high yield. Perennial. Breeding Material. Plant.


PI 558558  
**Origin:** United States.  
**Origin Institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**Cultivar:** USDA 52047M.  
**Pedigree:** (Streis. x Early Gr-unknown sd) x (Stries. -Late Clus. sd).  
**Other ID:** USDA 52047M.  

PI 558559  
**Origin:** United States.  
**Origin Institute:** USDA-ARS Hop Research Project, East Farm, Corvallis, Oregon 97331.  
**Cultivar:** USDA 19005M.  
**Pedigree:** Late Cluster seedling.  
**Other ID:** USDA 19005M.  

PI 558560  
**Origin:** United States.  
**Origin Institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**Cultivar:** USDA 19037M.  
**Pedigree:** Fuggle seedling x Fuggle seedling.  
**Other ID:** USDA 19037M.  

PI 558561  
**Origin:** United States.  
**Origin Institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**Cultivar:** USDA 19085M.  
**Pedigree:** Landhopfen seedling x Golden Cluster-Fuggle seedling.  
**Other ID:** USDA 19085M.  

PI 558562  
**Origin:** United States.  
**Origin Institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**Cultivar:** USDA 19043M.  
**Pedigree:** Belgium Burvine x Fuggle seedling.  
**Other ID:** USDA 19043M.  

PI 558563  
**Origin:** United States.  
**Origin Institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**Cultivar:** USDA 64027M.  
**Pedigree:** (Brewers Gold2) x (East Kent Golding-Bavarian seedling).  
**Other ID:** USDA 64027M.  

PI 558564  
**Origin:** United Kingdom. **Historical Origin:** United States.  
**Origin Institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**Cultivar:** USDA 64037M Zattler seedling.  
**Pedigree:** German female 7K 491 x open pollinated (Cross 6234).  
**Other ID:** GP-4.  
**Group:** CSR-HOP.  
**Other ID:** USDA 64037M.  
**Remarks:** This is a brother of USDA 64035M. Highly resistant to mildew. Perennial. Breeding Material. Plant.
PI 558554 to 558701-continued


PI 558572  
**origin:** United States.  **origin institute:** USDA-ARS Hop Research Project, Corvallis, Oregon 97331.  
**cultivar:** USDA 21130M.  **pedigree:** Yakima Cluster x Zattler seedling.  
**other id:** USDA 21130M.  **remarks:** The male parent of this clone is USDA 64037M. Perennial. Breeding Material. Plant.

PI 558573  
**origin:** Yugoslavia.  **origin institute:** Institute for Hops Research, Zalec.  
**cultivar:** USDA 21089M Yugoslavian Selection 5/10.  **pedigree:** Selected from the wild in Yugoslavia.  
**other id:** USDA 21089M.  **remarks:** Resistant to downy mildew, medium late maturity. Perennial. Breeding Material. Plant.

PI 558574  
**origin:** United States.  **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 19183M.  **pedigree:** Fuggle x (Early Green-Early Cluster seedling).  
**other id:** USDA 19183M.  **remarks:** Early flowering, good yield potential. Perennial. Breeding Material. Plant.

PI 558575  
**origin:** United States.  **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 19040M.  **pedigree:** Fuggle seedling x Fuggle seedling.  
**other id:** USDA 19040M.  **remarks:** Very good spring growth, excellent vigor and yield potential. Perennial. Breeding Material. Plant.

PI 558576  
**origin:** United States.  **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 63017M.  **pedigree:** Brewer's Gold x East Kent Golding-Bavarian seedling.  
**other id:** USDA 63017M.  **remarks:** Brother selection to USDA 63015. Perennial. Breeding Material. Plant.

PI 558577  
**origin:** United States.  **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 21059M.  **pedigree:** (Late Grape sd x Fuggle-Fuggle sd) x (Early Gr. x unk. sd).  
**other id:** USDA 21059M.  **remarks:** Res. to downy mildew, shows symptoms of split leaf blotch. Perennial. Breeding Material. Plant.

PI 558578  
**origin:** United States.  **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 19006M Hybrid 3-4.  
**other id:** USDA 19006M.  **remarks:** Very good spring regrowth, vigor. Perennial. Breeding Material. Plant.
PI 558579  
origin: United States.  
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 63011M.  
pedigree: (Late Grape-Fuggle sdlg) x (Early Green-unknown sdlg).  
other id: USDA 63011M.  

PI 558580  
origin: United States.  
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 19046M.  
pedigree: Late Cluster seedling x Fuggle seedling.  
other id: USDA 19046M.  

PI 558581  
origin: United Kingdom.  
historical origin: United States.  
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 64035M.  
pedigree: German female 7K 491 x open pollinated.  
other id: GP-16.  
group: CSR-HOP.  
other id: USDA 64035M.  

PI 558582  
origin: United Kingdom.  
historical origin: United States.  
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 64034M Zattler seedling.  
pedigree: German female 7K 491 x open pollinated.  
other id: USDA 64034M.  

PI 558583  
origin: United States.  
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 21111M.  
pedigree: Bullion x Zattler seedling.  
other id: USDA 21111M.  

PI 558584  
origin: United States.  
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 21060M.  
pedigree: (Late Grape sd x Fuggle-Fuggle sd) x (Early Gr. x unk. sd).  
other id: USDA 21060M.  
remarks: This clone is a brother of USDA 21059M. Perennial. Breeding Material. Plant.


PI 558591  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 60023M Colorado 1-1.  
**pedigree:** Selected from the wild in Colorado.  
**collected:** 1960.  
**other id:** USDA 60023M.  
**locality:** Five miles NE of San Luis, CO.  

PI 558592  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 19036M.  
**pedigree:** Late Cluster x Fuggle seedling.  
**other id:** USDA 19036M.  
**remarks:** Poor vigor, medium/early maturity. Perennial. Breeding Material. Plant.

PI 558593  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 21017M.  
**pedigree:** Fuggle x Colorado 2-1.  
**other id:** USDA 21017M.  
**remarks:** Resistant to downy mildew, good vigor, early maturity. Perennial. Breeding Material. Plant.

PI 558594  
**origin:** United Kingdom.  
**historical origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 64033M.  
**pedigree:** German female 7K 491 x open pollinated.  
**other id:** GP-3.  
**group:** CSR-HOP.  
**other id:** USDA 64033M.  
**remarks:** This clone is a brother of USDA 64032M. Perennial. Breeding Material. Plant.

PI 558595  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 21009M.  
**pedigree:** Sunshine 50 sdlg x (Utah 523-4 x Early Green-unknown sdlg).  
**other id:** USDA 21009M.  
**remarks:** Leaves remain yellow through entire growing season. Perennial. Breeding Material. Plant.

PI 558596  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 64028M.  
**pedigree:** (Brewers Gold2) x (East Kent Golding-Bavarian seedling).  
**other id:** USDA 64028M.  
**remarks:** This clone is a brother of USDA 64027M. Perennial. Breeding Material. Plant.

PI 558597  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 19048M.  
**pedigree:** Fuggle seedling x Red Vine seedling.  
**other id:** USDA 19048M.  


<table>
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<tr>
<th>PI Code</th>
<th>Origin</th>
<th>Origin Institute</th>
<th>Cultivar</th>
<th>Pedigree</th>
<th>Other ID</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>558614</td>
<td>United States</td>
<td>USDA-ARS Hops Research Project</td>
<td>USDA 60021</td>
<td>Selected from the wild in New Mexico</td>
<td>USDA 60021</td>
<td>Poor spring regrowth and vigor, susceptible to mildew. Perennial. Breeding Material. Plant.</td>
</tr>
<tr>
<td>558615</td>
<td>Yugoslavia</td>
<td>Institute of Agricultural Research</td>
<td>USDA 21084</td>
<td>Yugoslavian Selection IV/12</td>
<td>USDA 21084</td>
<td>Late maturity, resistant to downy mildew, European aroma. Perennial. Breeding Material. Plant.</td>
</tr>
<tr>
<td>558616</td>
<td>United States</td>
<td>USDA-ARS Hop Research Project</td>
<td>USDA 58016</td>
<td>Selection from the wild from Utah</td>
<td>USDA 58016</td>
<td>Free of all known hop viruses, excellent spring regrowth. Perennial. Breeding Material. Plant.</td>
</tr>
</tbody>
</table>
PI 558619  
**origin:** Yugoslavia.  
**origin institute:** Institute of Agricultural Research, Novi Sad.  
**cultivar:** USDA 21085 Yugoslavian Selection VII/23.  
**pedigree:** Unknown.  
**other id:** USDA 21085.  
**remarks:** Poor spring growth, good yield potential, medium late mat. Perennial. Breeding Material. Plant.

PI 558620  
**origin:** United States.  
**origin institute:** USDA-ARS Hop Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 19105.  
**pedigree:** Late Grape seedling x Fuggle-Fuggle seedling.  
**other id:** USDA 19105.  

PI 558621  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 21057 Late Cluster seedling.  
**pedigree:** Late Cluster x ?.  
**other id:** USDA 21057.  
**remarks:** Good yield potential, medium/late maturity, large cones. Perennial. Breeding Material. Plant.

PI 558622  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 50040.  
**pedigree:** Spalter x East Kent Golding - Bavarian seedling.  
**other id:** USDA 50040.  

PI 558623  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 54002.  
**pedigree:** (Brewers Gold x Fuggle-Fuggle)x(Fuggle sdlg x Redvine sdlg).  
**other id:** USDA 54002.  

PI 558624  
**origin:** United Kingdom.  
**origin institute:** Wye College, Wye, England.  
**cultivar:** USDA 64010.  
**pedigree:** German seedling x open pollinated seedling selection.  
**other id:** USDA 64010.  
**remarks:** This clone has been reselected for mildew resistance. Perennial. Breeding Material. Plant.

PI 558625  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 60037 Wyoming 2-3.  
**pedigree:** Selected from the wild in Wyoming.  
**collected:** 1960.  
**other id:** USDA 60037.  
**locality:** Near the Jackson Hole Lodge, WY.  
**remarks:** This clone may be an escape from an old mining camp. Perennial. Breeding Material. Plant.
PI 558626  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 63032.  
**pedigree:** Backa x Utah 526-4.  
**other id:** USDA 63032.  

PI 558627  
**origin:** United States.  
**origin institute:** USDA-ARS Hop Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 19185.  
**pedigree:** Late Grape x (Fuggle x Red Vine) seedling, Selection 131-S.  
**other id:** USDA 19185.  

PI 558628  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 60020 New Mexico 2-4.  
**pedigree:** Selected from the wild in New Mexico.  
**collected:** 1960.  
**other id:** USDA 60020.  
**locality:** Near Taos.  
**remarks:** Poor spring regrowth, vigor and yield potential. Perennial. Breeding Material. Plant.

PI 558629  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 64026.  
**pedigree:** Brewers Gold x (Bullion x Belgian 31 sdlg-Belgian 31).  
**other id:** USDA 64026.  
**remarks:** Good spring regrowth, good vigor, late maturity. Perennial. Breeding Material. Plant.

PI 558630  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 21147.  
**pedigree:** Fuggle x Striesselspalt-Late Cluster seedling.  
**other id:** USDA 21147.  
**remarks:** Very good spring regrowth, early maturity, good yield pot. Perennial. Breeding Material. Plant.

PI 558631  
**origin:** United States.  
**origin institute:** USDA-ARS Hop Research Project, Corvallis, Oregon 97331.  
**cultivar:** USDA 56012.  
**pedigree:** USDA 19152 x USDA 19058M, Cross 55224.  
**other id:** USDA 56012.  
**remarks:** High yield potential, very good vigor. Perennial. Breeding Material. Plant.

PI 558632  
**origin:** United States.  
**historical origin:** United Kingdom.  
**origin institute:** Wye College, Wye, England.  
**cultivar:** Wye Target.  
**pedigree:** (North. Brewer x unspecified) x Eastwell Golding-USDA 64103M.  
**other id:** USDA 21112.  
**restricted:** REQ.  
**remarks:** Major English hop variety, high alpha acids content. Perennial. Cultivar. Plant.

PI 558634  origin: United States.  origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  cultivar: USDA 64003.  pedigree: (Late Grape x Fuggle-Fuggle) x (Striesselspalt-Late Cluster).  other id: USDA 64003.  remarks: This is an important clone for breeding for high yield pot. Perennial. Breeding Material. Plant.


PI 558639  origin: United States.  origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  


PI 558641  origin: United States.  origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  

PI 558642  origin: United States.  origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  

PI 558643  origin: United States.  origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  

PI 558644  origin: United States.  origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  

PI 558645  origin: United States.  origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
PI 558646  
**origin:** United States.  **historical origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 60029 Colorado 3-1.  
**pedigree:** Selected from the wild in Colorado.  
**collected:** 1960.  
**other id:** USDA 60029.  
**locality:** Near Masonville, CO.  
**remarks:** Very poor spring regrowth and vigor, susceptible to mildew. Perennial. Breeding Material. Plant.

PI 558647  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 21062.  
**pedigree:** Bullion x East Kent Golding-Bavarian seedling.  
**other id:** USDA 21062.  
**remarks:** Excellent spring regrowth, early flowering time, good yield. Perennial. Breeding Material. Plant.

PI 558648  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 50075.  
**pedigree:** (East Kent Golding x Early Green-Kent Gold.) x Fuggle-Fuggle.  
**other id:** USDA 50075.  
**remarks:** Poor yield potential, resistant to mildew, medium-late mat. Perennial. Breeding Material. Plant.

PI 558649  
**origin:** United States.  
**origin institute:** USDA-ARS Hop Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 50024.  
**pedigree:** (Elsasser x Fuggle seedling) x USDA 19049M.  
**other id:** USDA 50024.  

PI 558650  
**origin:** United States.  
**origin institute:** USDA-ARS Hop Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 19110.  
**pedigree:** Unknown female x Belgian 31S-Belgian 31, selection 15-S.  
**other id:** USDA 19110.  

PI 558651  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 60035 Colorado 7-2.  
**pedigree:** Selected from the wild in Colorado.  
**collected:** 1960.  
**other id:** USDA 60035.  
**locality:** Poudre Canyon near Ft. Collins, CO.  
**elevation:** 2200m.  


PI 558659  
**origin**: United States.  
**origin institute**: USDA-ARS Hop Research Project, Corvallis, Oregon 97331.  
**cultivar**: USDA 19200.  
**pedigree**: Urbann x USDA 19005M, selection 148-S.  
**other id**: USDA 19200.  

PI 558660  
**origin**: United States.  
**historical origin**: United States.  
**origin institute**: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar**: USDA 60032 Colorado 5-1.  
**pedigree**: Selected from the wild in Colorado.  
**collected**: 1960.  
**other id**: USDA 60032.  

PI 558661  
**origin**: United States.  
**historical origin**: United States.  
**origin institute**: USDA-ARS Hop Research Project, Corvallis, Oregon 97331.  
**cultivar**: USDA 60015 Arizona 1-4.  
**pedigree**: Selected from the wild in Arizona.  
**collected**: 1960.  
**other id**: USDA 60015.  
**locality**: Big Springs, Kaibab National Forest.  
**elevation**: 2500m.  

PI 558662  
**origin**: United States.  
**origin institute**: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar**: USDA 54003.  
**pedigree**: Late Grape sdlg-Fuggle sdlg x East Kent Golding-Bavarian sdl.  
**other id**: USDA 54003.  

PI 558663  
**origin**: United States.  
**origin institute**: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar**: USDA 21001 FR2.  
**pedigree**: Selected from the wild in Oregon, unknown genotype.  
**collected**: 1961.  
**other id**: USDA 21001.  
**locality**: Commercial Fuggleyard.  

PI 558664  
**origin**: United States.  
**origin institute**: USDA-ARS Hop Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar**: Fuggle H.  
**pedigree**: Fuggle (USDA 19209) clonal selection.  
**other id**: CV-2.  
**group**: CSR-HOP.  
**other id**: USDA 48209.  
**remarks**: Virus-free, early maturity, resistant to downy mildew. Perennial. Cultivar. Plant.
PI 558665 origin: United States. origin institute: USDA-ARS Hop Research Project, East Farm, Corvallis, Oregon 97331. 
source: Crop Sci. 16(5):739 1976. group: CSR-HOP. 
other id: USDA 21041. remarks: Yield potential about 30% higher than Fuggle, European aroma. Perennial. 
Cultivar. Plant.

origin institute: Institute for Hop Research, Zalec, Oregon. 
cultivar: Styrian Golding. pedigree: Mass selection from Fuggle. other id: USDA 21049. other id: 
Plant.

PI 558667 origin: United States. historical origin: Germany. 
origin institute: German Institute for Hop Research, Hull, Oregon. 
cultivar: Perle. pedigree: Northern Brewer (USDA 64107) x German male 63/5/27. other id: 

cultivar: Bullion 10A. pedigree: Wild Manitoba BB1 x open pollinated. other id: USDA 21056. remarks: High 

cultivar: Bullion 6A. pedigree: Wild Manitoba BB1 x open pollinated. other id: USDA 21196. remarks: Sister 
Cultivar. Plant.

PI 558670 origin: United States. origin institute: Idaho Agricultural Experiment Station, University of Idaho, 
Parma, Idaho 83660. 
cultivar: Talisman. pedigree: Late Cluster x open pollinated. other id: USDA 65101. 
Cultivar. Plant.

PI 558671 origin: United Kingdom. origin institute: Wye College, 
cultivar: Bullion. pedigree: Wild Manitoba BB1 x open pollinated. other id: USDA 64100. 
remarks: Was a major US hop variety from the mid-40's till the 80's. Perennial. Cultivar. Plant.
PI 558672  
origin: United States.  
origin institute: USDA Hop Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: Columbia.  
pedigree: USDA 21003 x Fuggle seedling 2-4, selection 6761-61.  
other id: CV-5.  
group: CSR-HOP.  
other id: USDA 21040.  
remarks: Sister selection of Willamette, USDA 21041.  

PI 558673  
origin: United States.  
historical origin: United States.  
origin institute: Idaho Agricultural Experiment Station, University of Idaho, Parma, Idaho 83660.  
cultivar: Galena.  
pedigree: Brewer's Gold (USDA 19001) x open pollinated.  
other id: CV-7.  
group: CSR-HOP.  
other id: USDA 21182.  
remarks: Considered a super alpha hop by the trade.  

PI 558674  
origin: United States.  
historical origin: Czechoslovakia.  
cultivar: Saazer.  
pedigree: Sel. from a Czechoslovakian hop grown since the middle ages.  
other id: USDA 21077.  
other id: Bohemian.  
other id: Bohemian Red Hop.  
remarks: Very pleasant 'noble' aroma, good for super premium beers.  

PI 558675  
origin: United States.  
historical origin: United States.  
cultivar: Yakima Cluster.  
pedigree: Selection L-1 from commercial Late Cluster yard.  
other id: USDA 65102.  
remarks: Generally grouped with Early Cluster by the trade.  

PI 558676  
origin: United States.  
historical origin: South Africa.  
cultivar: Southern Brewer.  
pedigree: Fuggle N x OP backcross.  
other id: USDA 21187.  
remarks: Major hop variety in South Africa and India.  

PI 558677  
origin: United States.  
historical origin: France.  
cultivar: Tardif de Bourgogne.  
pedigree: Probably a clonal selection from a French landrace.  
other id: USDA 21169.  
remarks: Grown as an aroma hop in the Alsace region of France.  

PI 558678  
origin: United States.  
historical origin: Germany.  
cultivar: Swiss Tettnanger.  
pedigree: Unknown, developed from a German landrace.  
other id: USDA 61021.  
other id: Schwetzinger.  
other id: Deutscher Fruehhopfen.  
remarks: US demand is exceeding the supply for this cultivar.  


PI 558690 origin: United States. historical origin: Germany. cultivar: Swiss Tettnanger. pedigree: Unknown, derived from an old German landrace. other id: USDA 21197. remarks: This clone may have become mixed with Fuggle in Prosser. Perennial. Cultivar. Plant.


PI 558693  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** Washington State University, Agricultural Research Station, Prosser, Washington.  
**cultivar:** Chinook.  
**pedigree:** USDA 68052 x USDA 63012M.  
**other id:** CV-15.  
**group:** CSR-HOP.  
**other id:** USDA 21226.  
**remarks:** Tested as a high alpha/aroma hop, adapted to OR, ID, WA. Perennial. Cultivar. Plant.

PI 558694  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** Irrigated Ag. Res. & Extension Center, Washington State University, Prosser, Washington 99350.  
**cultivar:** Olympic.  
**pedigree:** OR. Sel. 6619-04 x USDA 64028M.  
**other id:** CV-14.  
**source:** Crop Sci. 24(3):618 1984.  
**group:** CSR-HOP.  
**other id:** USDA 21225.  
**remarks:** Considered a superalpha hop by the trade. Perennial. Cultivar. Plant.

PI 558695  
**origin:** United States.  
**historical origin:** Japan.  
**origin institute:** Kirin Brewery Co. Ltd., Tokyo, Oregon.  
**cultivar:** Kirin II.  
**pedigree:** Saazer x White Vine OP.  
**other id:** USDA 21286.  
**remarks:** Major hop variety grown in Japan. Perennial. Cultivar. Plant.

PI 558696  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** University of Idaho, Experiment Station, Parma, Idaho.  
**cultivar:** USDA 21285.  
**pedigree:** OP Hallertauer seedling.  
**other id:** USDA 21285.  

PI 558697  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 21095.  
**pedigree:** Yakima Cluster x Zattler Seedling 64037M.  
**other id:** USDA 21095 Cross 6903-259.  
**remarks:** Agronomically similar to Yakima Cluster or Late Cluster but with improved Downy Mildew resistance. Perennial. Breeding Material. Plant.

PI 558698  
**origin:** United States.  
**origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
**cultivar:** USDA 58112.  
**pedigree:** (Bullion x Fuggle-Fuggle seedling) x OP.  
**other id:** USDA 58112.  
**remarks:** Some yellow flecking on the leaves which may be genetic. Perennial. Breeding Material. Plant.
PI 558699 origin: United States. origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. cultivar: USDA 21108M. pedigree: (Brewer's Gold x Early Green-unknown sd1g) x Zattler sd1g. other id: USDA 21108M. remarks: 2n, excellent pollen producer, high alpha/beta ratio combined with exceptionally low cohumulone content. Perennial. Breeding Material. Plant.

PI 558700 origin: United States. origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. cultivar: USDA 52042M. pedigree: (Late Grape-Fuggle sd1g) x (Late Grape-Fuggle sd1g). other id: USDA 52042M. remarks: Resistant to downy mildew in the field, good yield potential. Perennial. Breeding Material. Plant.

PI 558701 origin: United States. origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. cultivar: USDA 21109M. pedigree: (Brewer's Gold x Early Green-unknown sd1g) x Zattler sd1g. other id: USDA 21109M. remarks: Resistant to downy mildew in the field, good yield potential 2n, very good pollen producer, except. low cohumulone content. Perennial. Breeding Material. Plant.

PI 558702 to 558945. Humulus lupulus L. CANNABACEAE Hops

Donated by: Haunold, A., USDA/ARS Hops Research Project, Oregon State University, East Farm, Corvallis, Oregon, United States; and Oregon Agr. Exp. Sta.. remarks: Liberty Hop. Received December 04, 1991.


PI 558706 origin: United States. historical origin: UNCERTAIN. 


PI 558709 origin: United States. historical origin: UNCERTAIN. 


PI 558711 origin: United States. historical origin: UNCERTAIN. 

PI 558712 origin: United States. historical origin: United Kingdom. 

PI 558713 origin: United States. historical origin: UNCERTAIN. 

PI 558714 origin: United States. historical origin: UNCERTAIN. 

PI 558715 origin: United States. historical origin: Yugoslavia. origin institute: Institute for Agricultural Research, University of Novi Sad, Hop Research Station, Backi Petrovac, Oregon. 
PI 558702 to 558945—continued

PI 558716  
origin: United States.  
historical origin: Yugoslavia.  
origin institute: Institute for Agricultural Research, University of Novi Sad, Hop Research Station, Backi Petrovac, Oregon.  
cultivar: Neopianta.  
pedigree: Northern Brewer (64107) x [male (Sx502)].  
other id: USDA 21082.  
Perennial.  
Cultivar.  
Plant.

PI 558717  
origin: United States.  
historical origin: Yugoslavia.  
origin institute: Institute for Agricultural Research, University of Novi Sad, Hop Research Station, Backi Petrovac, Oregon.  
cultivar: Dunav.  
pedigree: Northern Brewer (64107) x [male (Sx-502)].  
other id: USDA 21081.  
Perennial.  
Cultivar.  
Plant.

PI 558718  
origin: United States.  
historical origin: Yugoslavia.  
cultivar: Backa.  
pedigree: Unknown, prob. from an indigenous Yugoslavian landrace.  
other id: USDA 21080.  
Perennial.  
Cultivar.  
Plant.

PI 558719  
origin: United States.  
historical origin: Yugoslavia.  
origin institute: Hop Research Institute, Zalec, Slovenia, Oregon.  
cultivar: Atlas.  
pedigree: Brewer's Gold (19001) x Yugoslavian male 3/3M (21087M).  
other id: USDA 21052.  
Perennial.  
Cultivar.  
Plant.

PI 558720  
origin: United States.  
historical origin: Yugoslavia.  
origin institute: Hop Research Institute, Zalec, Slovenia, Oregon.  
cultivar: Ahil.  
pedigree: Brewer's Gold (19001) x male 3/3 (21087M).  
other id: USDA 21050.  
Perennial.  
Cultivar.  
Plant.

PI 558721  
origin: United States.  
historical origin: UNCERTAIN.  
cultivar: Groene Bel.  
other id: USDA 21216.  
Perennial.  
Cultivar.  
Plant.

PI 558722  
origin: United States.  
historical origin: UNCERTAIN.  
cultivar: Alliance.  
other id: USDA 66050.  
Perennial.  
Cultivar.  
Plant.

PI 558723  
origin: United States.  
historical origin: UNCERTAIN.  
cultivar: Progress.  
other id: USDA 66051.  
Perennial.  
Cultivar.  
Plant.

PI 558724  
origin: United States.  
historical origin: UNCERTAIN.  
cultivar: Petham Golding.  
other id: USDA 68052.  
Perennial.  
Cultivar.  
Plant.

PI 558725  
origin: United States.  
historical origin: UNCERTAIN.  
cultivar: Smooth Cone.  
other id: USDA 66056.  
Perennial.  
Cultivar.  
Plant.
PI 558726  origin: United States.  historical origin: UNCERTAIN.  
cultivar: First Choice.  other id: USDA 66055.  

origin institute: USDA/ARS, Oregon, Washington and, Idaho  
Experieiment Stations, Parma, Idaho.  
cultivar: Eroica.  
pedigree: Brewer's Gold (19001) x OP.  other id: USDA 21183.  
remarks: Develops conspicuous yellow flecking on  

PI 558728  origin: United States.  historical origin: UNCERTAIN.  
cultivar: Calicross.  other id: USDA 66054.  Perennial.  
Cultivar.  Plant.

PI 558729  origin: United States.  historical origin: UNCERTAIN.  
cultivar: Star.  other id: USDA 21217.  Perennial.  
Cultivar.  Plant.

PI 558730  origin: United States.  historical origin: United  
cultivar: Wye Northern.  other id: USDA 21044.  

PI 558731  origin: United States.  historical origin: United  
cultivar: Wye Challenger.  other id: USDA 21043.  

PI 558732  origin: United States.  historical origin: UNCERTAIN.  
cultivar: Nordgaard 1478.  other id: USDA 21215.  

PI 558733  origin: United States.  historical origin: UNCERTAIN.  
cultivar: Strisselspalt.  other id: USDA 21173.  

PI 558734  origin: United States.  historical origin: UNCERTAIN.  
cultivar: Hersbrucker - G.  other id: USDA 21185.  

PI 558735  origin: United States.  historical origin: United  
cultivar: Brewer's Gold.  pedigree: Canterbury Golding x  
Brewer's Golding-American Male OY1.  other id: USDA 19001.  
remarks: Major hop variety in Europe due to  

PI 558736  origin: United States.  historical origin: Germany.  
cultivar: Hallertauer m.f..  pedigree: Unknown, selected  
from an old German landrace.  other id: USDA 21014.  
PI 558737  
**origin:** United States.  
**historical origin:** United States.  
**cultivar:** Late Cluster, L-16.  
**pedigree:** Mass selection of Late Cluster in a commercial hop yard.  
**other id:** USDA 21011.  
**remarks:** Not adapted to Western Oregon because of downy mildew susceptibility.  
**Perennial. Cultivar. Plant.**

PI 558738  
**origin:** United States.  
**historical origin:** Germany.  
**cultivar:** Hallertauer (Fu-type).  
**other id:** USDA 21228.  
**Perennial. Cultivar. Plant.**

PI 558739  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 21261.  
**pedigree:** 65009 x 19046M.  
**other id:** USDA 21261.  
**Perennial. Breeding Material. Plant.**

PI 558740  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 21246.  
**pedigree:** 21055 x 21108M.  
**other id:** USDA 21246.  
**Perennial. Breeding Material. Plant.**

PI 558741  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 21247.  
**pedigree:** 21055 x 21108M.  
**other id:** USDA 21247.  
**Perennial. Breeding Material. Plant.**

PI 558742  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 21382.  
**pedigree:** Cas x 19058M.  
**other id:** USDA 21382.  
**Perennial. Breeding Material. Plant.**

PI 558743  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 21199.  
**pedigree:** 65009 x 19182M.  
**other id:** USDA 21199.  
**Perennial. Breeding Material. Plant.**

PI 558744  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** USDA/ARS, Oregon, Washington and Idaho, Experiment Stations, Parma, Idaho.  
**cultivar:** Eroica v.f..  
**pedigree:** Brewer's Gold x OP.  
**other id:** USDA 21200.  
**remarks:** Develops conspicuous yellow flecking on lower leaves.  
**Perennial. Breeding Material. Plant.**
PI 558745  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21202.  
pedigree: YC x 64037M.  
other id: USDA 21202.  
Perennial.  
Breeding Material.  
Plant.

PI 558746  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21250.  
pedigree: 21055 x 21108M.  
other id: USDA 21250.  
Perennial.  
Breeding Material.  
Plant.

PI 558747  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21251.  
pedigree: 21055 x 21109M.  
other id: USDA 21251.  
Perennial.  
Breeding Material.  
Plant.

PI 558748  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21257.  
pedigree: 21055 x 21110M.  
other id: USDA 21257.  
Perennial.  
Breeding Material.  
Plant.

PI 558749  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21254.  
pedigree: 21055 x 21109M.  
other id: USDA 21254.  
Perennial.  
Breeding Material.  
Plant.

PI 558750  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21256.  
pedigree: 21055 x 21110M.  
other id: USDA 21256.  
Perennial.  
Breeding Material.  
Plant.

PI 558751  
origin: United States.  
historical origin: United States.  
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 60024 Colorado 1-2.  
pedigree: Selected from the wild in Colorado.  
collected: 1960.  
other id: USDA 60024.  
Perennial.  
Breeding Material.  
Plant.

PI 558752  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21369.  
other id: USDA 21369.  
Perennial.  
Breeding Material.  
Plant.

PI 558753  
origin: United States.  
historical origin: UNCERTAIN.  
cultivar: Yeoman.  
other id: USDA 21498.  
Perennial.  
Cultivar.  
Plant.
PI 558754  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 21370.  
**pedigree:** Tetr. Atlas x (NBxSavG-TG).  
**other id:** USDA 21370.  
Perennial.  
Breeding Material.  
Plant.

PI 558755  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 8401-04.  
**pedigree:** 21397 x 19172M.  
**other id:** USDA 8401-04.  
Perennial.  
Breeding Material.  
Plant.

PI 558756  
**origin:** United States.  
**historical origin:** UNCERTAIN.  
**cultivar:** Hersbrucker-6.  
**other id:** USDA 21514.  
Perennial.  
Cultivar.  
Plant.

PI 558757  
**origin:** United States.  
**historical origin:** UNCERTAIN.  
**cultivar:** Zenith.  
**other id:** USDA 21499.  
Perennial.  
Cultivar.  
Plant.

PI 558758  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 8401-41.  
**pedigree:** 21397 x 19172M.  
**other id:** USDA 8401-41.  
Perennial.  
Breeding Material.  
Plant.

PI 558759  
**origin:** United States.  
**historical origin:** UNCERTAIN.  
**cultivar:** Banner.  
**other id:** USDA 21287.  
Perennial.  
Cultivar.  
Plant.

PI 558760  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 8019-03.  
**pedigree:** 19185 x 21266M.  
**other id:** USDA 8019-03.  
Perennial.  
Breeding Material.  
Plant.

PI 558761  
**origin:** United States.  
**historical origin:** UNCERTAIN.  
**cultivar:** Hersbrucker-8.  
**other id:** USDA 21515.  
Perennial.  
Cultivar.  
Plant.

PI 558762  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 8303-17.  
**pedigree:** 21397 x 64035M.  
**other id:** USDA 8303-17.  
Perennial.  
Breeding Material.  
Plant.

PI 558763  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 8303-37.  
**pedigree:** 21397 x 64035M.  
**other id:** USDA 8303-37.  
Perennial.  
Breeding Material.  
Plant.
PI 558702 to 558945-continued

PI 558764 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. 

PI 558765 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. 

PI 558766 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. 

PI 558767 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. 

PI 558768 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. 

PI 558769 origin: United States. historical origin: UNCERTAIN. 

PI 558770 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. 

PI 558771 origin: United States. historical origin: UNCERTAIN. 

PI 558772 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. 
PI 558773  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8303-66.  
pedigree: 21397 x 64035M.  
other id: USDA 8303-66.  
Perennial.  
Breeding Material.  
Plant.

PI 558774  
origin: United States.  
historical origin: UNCERTAIN.  
cultivar: SuperAlpha.  
other id: USDA 21405.  
Perennial.  
Cultivar.  
Plant.

PI 558775  
origin: United States.  
historical origin: UNCERTAIN.  
cultivar: Alpharoma.  
other id: USDA 21406.  
Perennial.  
Cultivar.  
Plant.

PI 558776  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8401-76.  
pedigree: 21397 x 19172M.  
other id: USDA 8401-76.  
Perennial.  
Breeding Material.  
Plant.

PI 558777  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8303-77.  
pedigree: 21397 x 64035M.  
other id: USDA 8303-77.  
Perennial.  
Breeding Material.  
Plant.

PI 558778  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21397.  
pedigree: tetrapl. Hallertauer m.f.  
other id: USDA 21397.  
Perennial.  
Breeding Material.  
Plant.

PI 558779  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8303-88.  
pedigree: 21397 x 64035M.  
other id: USDA 8303-88.  
Perennial.  
Breeding Material.  
Plant.

PI 558780  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8401-132.  
pedigree: 21397 x 19172M.  
other id: USDA 8401-132.  
Perennial.  
Breeding Material.  
Plant.

PI 558781  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8403-121.  
pedigree: 21397 x 64035M.  
other id: USDA 8403-121.  
Perennial.  
Breeding Material.  
Plant.


PI 558808

PI 558809

PI 558810

PI 558811

PI 558812

PI 558813

PI 558814

PI 558815


PI 558824 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. **cultivar:** USDA 8407-06. **pedigree:** 21397 x 21380M. **other id:** USDA 8407-06. Perennial. Breeding Material. Plant.


PI 558828 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. **cultivar:** USDA 8025-57. **pedigree:** 19185 x 21344M. **other id:** USDA 8025-57. Perennial. Breeding Material. Plant.

PI 558829 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. **cultivar:** USDA 5026-152. **pedigree:** 19185 x 21353M. **other id:** USDA 5026-152. Perennial. Breeding Material. Plant.

PI 558830 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. **cultivar:** USDA 21502. **pedigree:** Cas x 19058M. **other id:** USDA 21502. Perennial. Breeding Material. Plant.

PI 558831 origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon. **cultivar:** USDA 8602-300. **pedigree:** 61021 x 8309-26M. **other id:** USDA 8602-300. Perennial. Breeding Material. Plant.
PI 558832  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 8602-305.  
**pedigree:** 61021 x 8309-26M.  
**other id:** USDA 8602-305.  
**Perennial. Breeding Material. Plant.**

PI 558833  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 8407-43.  
**pedigree:** 21397 x 21380M.  
**other id:** USDA 8407-43.  
**Perennial. Breeding Material. Plant.**

PI 558834  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 8602-411.  
**pedigree:** 61021 x 8309-26M.  
**other id:** USDA 8602-411.  
**Perennial. Breeding Material. Plant.**

PI 558835  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 8602-578.  
**pedigree:** 61021 x 8309-26M.  
**other id:** USDA 8602-578.  
**Perennial. Breeding Material. Plant.**

PI 558836  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 21409.  
**pedigree:** 65009 x 19046M.  
**other id:** USDA 21409.  
**Perennial. Breeding Material. Plant.**

PI 558837  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 21503.  
**pedigree:** Cas x 19058M.  
**other id:** USDA 21503.  
**Perennial. Breeding Material. Plant.**

PI 558838  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 8408-01.  
**pedigree:** 21397 x 21381M.  
**other id:** USDA 8408-01.  
**Perennial. Breeding Material. Plant.**

PI 558839  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
**cultivar:** USDA 8304-90.  
**pedigree:** 21397 x 64037M.  
**other id:** USDA 8304-90.  
**Perennial. Breeding Material. Plant.**

544


PI 558848  
origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8603-346.  
pedigree: 61021 x 8309-32M.  
other id: USDA 8603-346.  
Perennial.  
Breeding Material.  
Plant.

PI 558849  
origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8408-70.  
pedigree: 21397 x 21381M.  
other id: USDA 8408-70.  
Perennial.  
Breeding Material.  
Plant.

PI 558850  
origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8408-74.  
pedigree: 21397 x 21381M.  
other id: USDA 8408-74.  
Perennial.  
Breeding Material.  
Plant.

PI 558851  
origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8308-44.  
pedigree: 21397 x 21362M.  
other id: USDA 8308-44.  
Perennial.  
Breeding Material.  
Plant.

PI 558852  
origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8308-46.  
pedigree: 21397 x 21362M.  
other id: USDA 8308-46.  
Perennial.  
Breeding Material.  
Plant.

PI 558853  
origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8408-126.  
pedigree: 21397 x 21381M.  
other id: USDA 8408-126.  
Perennial.  
Breeding Material.  
Plant.

PI 558854  
origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8031-02.  
pedigree: 56013 x 21271M.  
other id: USDA 8031-02.  
Perennial.  
Breeding Material.  
Plant.

PI 558855  
origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8409-18.  
pedigree: 21397 x 64033M.  
other id: USDA 8409-18.  
Perennial.  
Breeding Material.  
Plant.


PI 558864

PI 558865

PI 558866

PI 558867

PI 558868

PI 558869
origin: United States. origin institute: USDA/ARS Hops Research Project, Oregon State University, East Farm, Corvallis, Oregon. cultivar: Liberty. pedigree: 4x Hallertauer m.f. (21397) x Zattler Seedling (64035M). other id: USDA 21457. other id: CV-18. group: CSR-HOP. remarks: Maturity early (Aug. 25-30 in Western Oregon). Quality and aroma characteristics similar to Hallertauer mittelfruh. Oil content 0.6-1.2 ml/100g. Columnar growth habit with characteristic head formation and sidearms approximately 60-90cm long. Most cones found in upper half of plant. Moderately resistant to hop downy mildew (Pseudoperonospora humuli). Yield high. Similar to imported. Perennial. Cultivar. Plant.

PI 558870
PI 558702 to 558945-continued

PI 558871  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8254-244.  
pedigree: 21285 x 64037M.  
other id: USDA 8254-244.  

PI 558872  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21469.  
pedigree: 21397 x 19058M.  
other id: USDA 21469.  

PI 558873  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21491.  
pedigree: 21397 x 21337M.  
other id: USDA 21491.  

PI 558874  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8036-83.  
pedigree: 64003 x 21268M.  
other id: USDA 8036-83.  

PI 558875  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 8036-84.  
pedigree: 64003 x 21268M.  
other id: USDA 8036-84.  

PI 558876  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21505.  
pedigree: 64003 x 21268M.  
other id: USDA 21505.  

PI 558877  
origin: United States.  
historical origin: UNCERTAIN.  
cultivar: Tettnanger B.  
other id: USDA 21497.  

PI 558878  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21470.  
pedigree: 21397 x 19058M.  
other id: USDA 21470.  

PI 558879  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, Oregon State University, Corvallis, Oregon.  
cultivar: USDA 21486.  
pedigree: Cas x 21137M.  
other id: USDA 21486.  
PI 558702 to 558945-continued


PI 558702 to 558945-continued

PI 558899
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. 
cultivar: USDA 21596 Utah 11. pedigree: Selected from the wild in Utah.

PI 558900
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. 
cultivar: USDA 21599 Utah 12. pedigree: Selected from the wild in Utah.

PI 558901
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. 
cultivar: USDA 21600 Utah 13. pedigree: Selected from the wild in Utah.

PI 558902
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. 
cultivar: USDA 21552 Missouri 4. pedigree: Selected from the wild in Missouri.

PI 558903
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. 
cultivar: USDA 21557 Missouri 3. pedigree: Selected from the wild in Missouri.

PI 558904
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. 
cultivar: USDA 21562 Iowa 2. pedigree: Selected from the wild in Iowa.

PI 558905
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. 
cultivar: USDA 21564 Iowa 4. pedigree: Selected from the wild in Iowa.

PI 558906
origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. 
cultivar: USDA 21565 Iowa 5. pedigree: Selected from the wild in Iowa.


origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 21561M  
Iowa 1.  pedigree: Selected from the wild in Iowa.  

origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 21569M  
North Dakota 2.  pedigree: Selected from the wild in North Dakota.  

origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 21570M  
North Dakota 3.  pedigree: Selected from the wild in North Dakota.  

origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 21572M  
North Dakota 5.  pedigree: Selected from the wild in North Dakota.  

origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 21573M  
North Dakota 6.  pedigree: Selected from the wild in North Dakota.  

origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 21582M  
Missouri 7.  pedigree: Selected from the wild in Missouri.  

origin institute: USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331.  
cultivar: USDA 21597M  
Montana 22.  pedigree: Selected from the wild in Montana.  
PI 558702 to 558945-continued


PI 558702 to 558945-continued


PI 558946 to 558948.  Humulus lupulus L.  CANNABACEAE  Hops

Donated by: Haunold, A., USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon, United States.  Received June 30, 1981.


PI 558949 to 559173. *Humulus lupulus* L. **CANNABACEAE** Hops

**Donated by:** Haunold, A., USDA/ARS Hops Research Project, Oregon State University, East Farm, Corvallis, Oregon, United States. Received May 06, 1983.

**PI 558949**
- **origin:** United States. **historical origin:** UNCERTAIN.
- **cultivar:** Keyworth's Midseason. **other id:** USDA 21279. Perennial. Cultivar. Plant.

**PI 558950**
- **origin:** United States. **historical origin:** UNCERTAIN.
- **cultivar:** Serebrianka. **other id:** USDA 21045. Perennial. Cultivar. Plant.

**PI 558951**
- **origin:** United States. **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.
- **cultivar:** USDA 21047. **other id:** USDA 21047. Perennial. Breeding Material. Plant.

**PI 558952**
- **origin:** United States. **historical origin:** UNCERTAIN.
- **cultivar:** Sivrem. **other id:** USDA 21214. Perennial. Cultivar. Plant.

**PI 558953**
- **origin:** United States. **historical origin:** UNCERTAIN.
- **cultivar:** Aromat. **other id:** USDA 21213. Perennial. Cultivar. Plant.

**PI 558954**
- **origin:** United States. **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.
- **cultivar:** USDA 62015. **other id:** USDA 62015. Perennial. Breeding Material. Plant.

**PI 558955**
- **origin:** United States. **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.
- **cultivar:** USDA 21309. **other id:** USDA 21309. Perennial. Breeding Material. Plant.

**PI 558956**
- **origin:** United States. **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.
- **cultivar:** USDA 21302. **other id:** USDA 21302. Perennial. Breeding Material. Plant.

**PI 558957**
- **origin:** United States. **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.
- **cultivar:** USDA 21307. **other id:** USDA 21307. Perennial. Breeding Material. Plant.

**PI 558958**
- **origin:** United States. **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.
- **cultivar:** USDA 21294. **other id:** USDA 21294. Perennial. Breeding Material. Plant.
PI 558959  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21303.  
**other id**: USDA 21303.  

PI 558960  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21304.  
**other id**: USDA 21304.  

PI 558961  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21295.  
**other id**: USDA 21295.  

PI 558962  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21296.  
**other id**: USDA 21296.  

PI 558963  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21305.  
**other id**: USDA 21305.  

PI 558964  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21298.  
**other id**: USDA 21298.  

PI 558965  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21299.  
**other id**: USDA 21299.  

PI 558966  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21290.  
**other id**: USDA 21290.  

PI 558967  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21297.  
**other id**: USDA 21297.  

PI 558968  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21293.  
**other id**: USDA 21293.  
PI 558969
origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 558970
origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 558971
origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 558972
origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 558973
origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 558974
origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 558975
origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 558976
origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 558977
origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 558978
origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 
PI 558979  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21245.  
other id: USDA 21245.  
Perennial.  
Breeding Material.  
Plant.

PI 558980  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21099.  
other id: USDA 21099.  
Perennial.  
Breeding Material.  
Plant.

PI 558981  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21231.  
other id: USDA 21231.  
Perennial.  
Breeding Material.  
Plant.

PI 558982  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21384.  
other id: USDA 21384.  
Perennial.  
Breeding Material.  
Plant.

PI 558983  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21383.  
other id: USDA 21383.  
Perennial.  
Breeding Material.  
Plant.

PI 558984  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21194.  
other id: USDA 21194.  
Perennial.  
Breeding Material.  
Plant.

PI 558985  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21253.  
other id: USDA 21253.  
Perennial.  
Breeding Material.  
Plant.

PI 558986  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21252.  
other id: USDA 21252.  
Perennial.  
Breeding Material.  
Plant.

PI 558987  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21248.  
other id: USDA 21248.  
Perennial.  
Breeding Material.  
Plant.

PI 558988  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21255.  
other id: USDA 21255.  
Perennial.  
Breeding Material.  
Plant.
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PI 558949 to 559173-continued

PI 559009  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21103.  
other id: USDA 21103 PP.  
Perennial.  
Breeding Material.  
Plant.

PI 559010  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21099.  
other id: USDA 21099 PP.  
Perennial.  
Breeding Material.  
Plant.

PI 559011  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21395.  
other id: USDA 21395 PP.  
Perennial.  
Breeding Material.  
Plant.

PI 559012  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21101.  
other id: USDA 21101 PP.  
Perennial.  
Breeding Material.  
Plant.

PI 559013  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21003.  
other id: USDA 21003 PP.  
Perennial.  
Breeding Material.  
Plant.

PI 559014  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21386.  
other id: USDA 21386 PP.  
Perennial.  
Breeding Material.  
Plant.

PI 559015  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21098.  
other id: USDA 21098 PP.  
Perennial.  
Breeding Material.  
Plant.

PI 559016  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21391.  
other id: USDA 21391 PP.  
Perennial.  
Breeding Material.  
Plant.

PI 559017  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21393.  
other id: USDA 21393 PP.  
Perennial.  
Breeding Material.  
Plant.

PI 559018  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21181.  
other id: USDA 21181.  
Perennial.  
Breeding Material.  
Plant.


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<td>559038</td>
<td>United States</td>
<td>USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.</td>
<td>USDA 21160</td>
<td>USDA 21160</td>
<td>Perennial</td>
<td>Breeding Material. Plant.</td>
</tr>
</tbody>
</table>
PI 559039  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21158.  **other id:** USDA 21158.  Perennial.  
Breeding Material.  Plant.

PI 559040  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21139.  **other id:** USDA 21139.  Perennial.  
Breeding Material.  Plant.

PI 559041  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21164.  **other id:** USDA 21164.  Perennial.  
Breeding Material.  Plant.

PI 559042  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21163.  **other id:** USDA 21163.  Perennial.  
Breeding Material.  Plant.

PI 559043  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21008.  **other id:** USDA 21008.  Perennial.  
Breeding Material.  Plant.

PI 559044  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21007.  **other id:** USDA 21007.  Perennial.  
Breeding Material.  Plant.

PI 559045  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21094.  **other id:** USDA 21094.  Perennial.  
Breeding Material.  Plant.

PI 559046  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21138.  **other id:** USDA 21138.  Perennial.  
Breeding Material.  Plant.

PI 559047  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21211.  **other id:** USDA 21211.  Perennial.  
Breeding Material.  Plant.

PI 559048  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21232.  **other id:** USDA 21232.  Perennial.  
Breeding Material.  Plant.
PI 558949 to 559173-continued

PI 559049 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559050 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559051 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559052 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559053 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559054 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559055 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559056 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559057 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559058 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.
PI 559059 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559060 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559061 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559062 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559063 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559064 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559065 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559066 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559067 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559068 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 
PI 558949 to 559173-continued

PI 559069 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559070 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559071 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559072 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559073 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559074 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559075 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559076 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559077 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.

PI 559078 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.
PI 559079  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21374.  
**other id**: USDA 21374.  
Perennial.  
Breeding Material.  
Plant.

PI 559080  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21328.  
**other id**: USDA 21328.  
Perennial.  
Breeding Material.  
Plant.

PI 559081  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21329.  
**other id**: USDA 21329.  
Perennial.  
Breeding Material.  
Plant.

PI 559082  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21333.  
**other id**: USDA 21333.  
Perennial.  
Breeding Material.  
Plant.

PI 559083  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21332.  
**other id**: USDA 21332.  
Perennial.  
Breeding Material.  
Plant.

PI 559084  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21269.  
**other id**: USDA 21269.  
Perennial.  
Breeding Material.  
Plant.

PI 559085  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21327.  
**other id**: USDA 21327.  
Perennial.  
Breeding Material.  
Plant.

PI 559086  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21334.  
**other id**: USDA 21334.  
Perennial.  
Breeding Material.  
Plant.

PI 559087  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21330.  
**other id**: USDA 21330.  
Perennial.  
Breeding Material.  
Plant.

PI 559088  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21331.  
**other id**: USDA 21331.  
Perennial.  
Breeding Material.  
Plant.
PI 559089  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 63014.  
**other id:** USDA 63014.  
Perennial.  
Breeding Material.  
Plant.

PI 559090  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 51061.  
**other id:** USDA 51061.  
Perennial.  
Breeding Material.  
Plant.

PI 559091  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21271.  
**other id:** USDA 21271.  
Perennial.  
Breeding Material.  
Plant.

PI 559092  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21265.  
**other id:** USDA 21265.  
Perennial.  
Breeding Material.  
Plant.

PI 559093  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21267.  
**other id:** USDA 21267.  
Perennial.  
Breeding Material.  
Plant.

PI 559094  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21335.  
**other id:** USDA 21335.  
Perennial.  
Breeding Material.  
Plant.

PI 559095  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21270.  
**other id:** USDA 21270.  
Perennial.  
Breeding Material.  
Plant.

PI 559096  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21326.  
**other id:** USDA 21326.  
Perennial.  
Breeding Material.  
Plant.

PI 559097  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21076.  
**other id:** USDA 21076.  
Perennial.  
Breeding Material.  
Plant.

PI 559098  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21129.  
**other id:** USDA 21129.  
Perennial.  
Breeding Material.  
Plant.
PI 558949 to 559173-continued

PI 559099  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 64105.  
other id: USDA 64105.  
Perennial.  
Breeding Material.  
Plant.

PI 559100  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21058.  
other id: USDA 21058.  
Perennial.  
Breeding Material.  
Plant.

PI 559101  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21132.  
other id: USDA 21132.  
Perennial.  
Breeding Material.  
Plant.

PI 559102  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21064.  
other id: USDA 21064.  
Perennial.  
Breeding Material.  
Plant.

PI 559103  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21119.  
other id: USDA 21119.  
Perennial.  
Breeding Material.  
Plant.

PI 559104  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21133.  
other id: USDA 21133.  
Perennial.  
Breeding Material.  
Plant.

PI 559105  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21065.  
other id: USDA 21065.  
Perennial.  
Breeding Material.  
Plant.

PI 559106  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 65034.  
other id: USDA 65034.  
Perennial.  
Breeding Material.  
Plant.

PI 559107  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21131.  
other id: USDA 21131.  
Perennial.  
Breeding Material.  
Plant.

PI 559108  
origin: United States.  
origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 64104.  
other id: USDA 64104.  
Perennial.  
Breeding Material.  
Plant.
PI 559109 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559110 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559111 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559112 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559113 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559114 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559115 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 

PI 559116 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 


PI 559118 origin: United States. origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon. 
PI 559119  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21069.  other id: USDA 21069.  Perennial.  
Breeding Material.  Plant.

PI 559120  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559121  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559122  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21323.  other id: USDA 21323.  Perennial.  
Breeding Material.  Plant.

PI 559123  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21318.  other id: USDA 21318.  Perennial.  
Breeding Material.  Plant.

PI 559124  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559125  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559126  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 19044.  other id: USDA 19044.  Perennial.  
Breeding Material.  Plant.

PI 559127  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21319.  other id: USDA 21319.  Perennial.  
Breeding Material.  Plant.

PI 559128  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.
PI 559129  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  


PI 559131  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  

PI 559132  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  

PI 559133  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  

PI 559134  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  


PI 559136  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  

PI 559137  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  

PI 559138  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
PI 559139  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21358.  **other id:** USDA 21358.  **Perennial.**  
Breeding Material.  Plant.

PI 559140  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21341.  **other id:** USDA 21341.  **Perennial.**  
Breeding Material.  Plant.

PI 559141  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21339.  **other id:** USDA 21339.  **Perennial.**  
Breeding Material.  Plant.

PI 559142  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21346.  **other id:** USDA 21346.  **Perennial.**  
Breeding Material.  Plant.

PI 559143  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21352.  **other id:** USDA 21352.  **Perennial.**  
Breeding Material.  Plant.

PI 559144  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21359.  **other id:** USDA 21359.  **Perennial.**  
Breeding Material.  Plant.

PI 559145  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21351.  **other id:** USDA 21351.  **Perennial.**  
Breeding Material.  Plant.

PI 559146  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21275.  **other id:** USDA 21275.  **Perennial.**  
Breeding Material.  Plant.

PI 559147  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21379.  **other id:** USDA 21379.  **Perennial.**  
Breeding Material.  Plant.

PI 559148  
**origin:** United States.  **origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar:** USDA 21362.  **other id:** USDA 21362.  **Perennial.**  
Breeding Material.  Plant.
PI 559149  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559150  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559151  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559152  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559153  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559154  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559155  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21340.  other id: USDA 21340.  Perennial.  
Breeding Material.  Plant.

PI 559156  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559157  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21349.  other id: USDA 21349.  Perennial.  
Breeding Material.  Plant.

PI 559158  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.
PI 559159  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21347.  
**other id**: USDA 21347.  
**Perennial. Breeding Material. Plant.**

PI 559160  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21381.  
**other id**: USDA 21381.  
**Perennial. Breeding Material. Plant.**

PI 559161  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21361.  
**other id**: USDA 21361.  
**Perennial. Breeding Material. Plant.**

PI 559162  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21337.  
**other id**: USDA 21337.  
**Perennial. Breeding Material. Plant.**

PI 559163  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21336.  
**other id**: USDA 21336.  
**Perennial. Breeding Material. Plant.**

PI 559164  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21354.  
**other id**: USDA 21354.  
**Perennial. Breeding Material. Plant.**

PI 559165  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21360.  
**other id**: USDA 21360.  
**Perennial. Breeding Material. Plant.**

PI 559166  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21273.  
**other id**: USDA 21273.  
**Perennial. Breeding Material. Plant.**

PI 559167  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21342.  
**other id**: USDA 21342.  
**Perennial. Breeding Material. Plant.**

PI 559168  
**origin**: United States.  
**origin institute**: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
**cultivar**: USDA 21343.  
**other id**: USDA 21343.  
**Perennial. Breeding Material. Plant.**
PI 559169  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559170  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559171  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
Breeding Material.  Plant.

PI 559172  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21364.  other id: USDA 21364.  Perennial.  
Breeding Material.  Plant.

PI 559173  origin: United States.  origin institute: USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon.  
cultivar: USDA 21356.  other id: USDA 21356.  Perennial.  
Breeding Material.  Plant.

PI 559174 to 559192.  Humulus lupulus L.  CANNABACEAE  Hops  

Donated by: Haunold, A., USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon, United States.  Received May 06, 1983.

origin institute: Hop Research Institute, Zalec, Slovenia, Oregon.  
cultivar: Aurora.  pedigree: Northern Brewer (64107) x Yugoslavian wild male TG.  other id: USDA 21053.  Perennial.  
Cultivar.  Plant.

origin institute: Hop Research Institute, Zalec, Slovenia, Oregon.  
Cultivar.  Plant.

PI 559176  origin: United States.  historical origin: United Kingdom.  
Cultivar.  Plant.

PI 559177  origin: United States.  historical origin: UNCERTAIN.  
cultivar: Blisk.  other id: USDA 21238.  Perennial.  
Cultivar.  Plant.


PI 559174 to 559192—continued

PI 559184  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon 97333.  
**cultivar:** USDA 21175M.  
**pedigree:** [(XS x (Fuggle x Early Green-Early Clust. sdlg)) x OP] x OP.  
**other id:** GP-10.  
**group:** CSR-HOP.  
**other id:** USDA 21175M.  
**remarks:** 3n, excellent pollen producer, suitable for stimulation of 2n females to produce higher cone yields without seeds. Perennial. Breeding Material. Plant.

PI 559185  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon 97333.  
**cultivar:** USDA 21176M.  
**pedigree:** [Unknown sdlg. x (Fuggle x Ea Green-Ea Cluster) x OP] x OP.  
**other id:** GP-11.  
**group:** CSR-HOP.  
**other id:** USDA 21176M.  
**remarks:** 3n, excellent pollen producer, suitable for stimulation of 2n females to produce higher cone yields without seeds. Perennial. Breeding Material. Plant.

PI 559186  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon 97333.  
**cultivar:** USDA 21178M.  
**pedigree:** [Unknown sdlg. x (Fuggle x Ea Green-Ea Cluster) x OP] x OP.  
**other id:** GP-13.  
**group:** CSR-HOP.  
**other id:** USDA 21178M.  
**remarks:** 3n, very good pollen producer, suitable for stimulation of early females to produce higher yields without seeds. Perennial. Breeding Material. Plant.

PI 559187  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon 97333.  
**cultivar:** USDA 21177M.  
**pedigree:** [Unknown sdlg. x (Fuggle x Ea Green-Ea Cluster) x OP] x OP.  
**other id:** GP-12.  
**group:** CSR-HOP.  
**other id:** USDA 21177M.  
**remarks:** 3n, excellent pollen producer, suitable for stimulation of early-med. early females to produce higher yields w/o seeds. Perennial. Breeding Material. Plant.

PI 559188  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon 97333.  
**cultivar:** USDA 21192M.  
**pedigree:** [Unknown x (Fuggle x Early Green-Early Cluster)] x OP] x OP.  
**other id:** USDA 21192M.  
**remarks:** Tripliod, excellent pollen producer, suitable for stimulation of diploid females to produce higher yield. Perennial. Breeding Material. Plant.
PI 559189  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon 97333.  
**cultivar:** USDA 21191M.  
**pedigree:** [[Unknown x (Fuggle x Early Green-Early Cluster)] x OP] x OP.  
**other id:** CV-11.  
**source:** Crop Sci. 22(6):1262 1982.  
**group:** CSR-HOP.  
**other id:** CV-12.  
**source:** Crop Sci. 22(6):1262 1982.  
**group:** CSR-HOP.  
**other id:** USDA 21191M.  
**remarks:** Triploid, excellent pollen producer, suitable for stimulation of diploid females to produce higher yield. Perennial. Breeding Material. Plant.

PI 559190  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon 97333.  
**cultivar:** USDA 21190M.  
**pedigree:** [[Unknown x (Fuggle x Early Green-Early Cluster)] x OP] x OP.  
**other id:** CV-10.  
**source:** Crop Sci. 22(6):1262 1982.  
**group:** CSR-HOP.  
**other id:** USDA 21190M.  
**remarks:** Triploid, excellent pollen producer, suitable for stimulation of diploid females to produce higher yield. Perennial. Breeding Material. Plant.

PI 559191  
**origin:** United States.  
**origin institute:** USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon 97333.  
**cultivar:** USDA 21105M.  
**pedigree:** 4x Fuggle x Red Vine-Fuggle-Fuggle seedling.  
**other id:** GP-8.  
**group:** CSR-HOP.  
**other id:** USDA 21105M.  
**remarks:** Triploid, excellent pollen producer, suitable for stimulation of diploid females to produce higher yield. Perennial. Breeding Material. Plant.

PI 559192  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** USDA/ARS, Hops Research Project, Corvallis, Oregon 97331.  
**cultivar:** USDA 60014.  
**pedigree:** Selected from the wild in Arizona.  
**collected:** 1960.  
**other id:** USDA 60014 Arizona 1-3.  
**locality:** Big Springs, Kaibab Nat'l Forest.  
**elevation:** 2400m.  
**remarks:** Susceptible to Downy Mildew, pungent Wild American odor This accession is currently maintained at Prosser, WA. Perennial. Breeding Material. Plant.

PI 559193 to 559196. *Humulus lupulus* L. CANNABACEAE Hops  

**Donated by:** Haunold, A., USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon, United States. Received May 25, 1983.


PI 559197 to 559212. Humulus lupulus L. CANNABACEAE Hops

Donated by: Hampton, R.O., Oregon State University, Dept. Botany and Plant Path., Corvallis, Oregon, United States. Received December 06, 1983.

PI 559198  
**origin:** United States. **pedigree:** Collected from the wild in Nebraska. **collected:** December 01, 1983. **locality:** Brownville, near Missouri River in mixed shrubs and hardwood. **latitude:** 40 deg. 20 min. N. **longitude:** 95 deg. 45 min. W. **remarks:** Native North American Humulus lupulus. Perennial. Wild. Plant.

PI 559199  
**origin:** United States. **pedigree:** Collected from the wild in Nebraska. **collected:** December 01, 1983. **locality:** Brownville, near Missouri River in mixed shrubs and hardwood. **latitude:** 40 deg. 20 min. N. **longitude:** 95 deg. 45 min. W. **remarks:** Native North American Humulus lupulus. Perennial. Wild. Plant.

PI 559200  
**origin:** United States. **pedigree:** Collected from the wild in Missouri. **collected:** December 01, 1983. **locality:** Along gravel road near Missouri River across from Rulo, NB. **latitude:** 40 deg. 01 min. N. **longitude:** 95 deg. 30 min. W. **remarks:** Native North American Humulus lupulus. Perennial. Wild. Plant.

PI 559201  
**origin:** United States. **pedigree:** Collected from the wild in Missouri. **collected:** December 01, 1983. **locality:** Along gravel road near Missouri River across from Rulo, NB. **latitude:** 40 deg. 01 min. N. **longitude:** 95 deg. 30 min. W. **remarks:** Native North American Humulus lupulus. Perennial. Wild. Plant.

PI 559202  
**origin:** United States. **pedigree:** Collected from the wild in Missouri. **collected:** December 01, 1983. **locality:** Craig, in finger terraces along the Missouri River. **latitude:** 40 deg. 10 min. N. **longitude:** 95 deg. 30 min. W. **remarks:** Native North American Humulus lupulus. Perennial. Wild. Plant.

PI 559203  
**origin:** United States. **pedigree:** Collected from the wild in Iowa. **collected:** December 01, 1983. **locality:** Millville, N. side of Turkey River, near limestone pinnacles. **latitude:** 42 deg. 45 min. N. **longitude:** 91 deg. 10 min. W. **remarks:** Native North American Humulus lupulus. Perennial. Wild. Plant.

PI 559204  
**origin:** United States. **pedigree:** Collected from the wild in Iowa. **collected:** December 01, 1983. **locality:** Millville, N. side of Turkey River, near limestone pinnacle. **latitude:** 42 deg. 45 min. N. **longitude:** 91 deg. 10 min. W. **remarks:** Native North American Humulus lupulus. Perennial. Wild. Plant.

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PI 559197 to 559212-continued


PI 559213 to 559242. Humulus lupulus L. CANNABACEAE Hops

Donated by: Hampton, R.O., Oregon State University, Dept. Botany and Plant Path., Corvallis, Oregon, United States. Received March 06, 1986.


PI 559213 to 559242

PI 559218  

PI 559219  

PI 559220  

PI 559221  

PI 559222  

PI 559223  

PI 559224  


PI 559243 to 559253.  Humulus lupulus L.  CANNABACEAE  Hops


PI 559254. Humulus lupulus L. CANNABACEAE Hops

Received December 06, 1983.


PI 559255 to 559258. Humulus lupulus L. CANNABACEAE Hops


PI 559259. Humulus lupulus L. CANNABACEAE Hops


PI 559260 to 559261. Humulus lupulus L. CANNABACEAE Hops

Donated by: Hampton, R.O., Oregon State University, Dept. Botany and Plant Path., Corvallis, Oregon, United States. Received March 08, 1986.


PI 559262 to 559263. Humulus lupulus L. CANNABACEAE Hops


PI 559264 to 559269. Humulus lupulus L. CANNABACEAE Hops


PI 559264 to 559269-continued

PI 559265  
**origin:** United States.  **pedigree:** Collected from the wild in Montana.  **collected:** 1981.  **locality:** Just above the floodplain of Belt Creek.  **latitude:** 47 deg. 25 min. N.  **longitude:** 110 deg. 55 min. W.  **remarks:** Native North American Humulus lupulus. Perennial. Wild. Plant.

PI 559266  
**origin:** United Kingdom.  **origin institute:** Wye College, England.  **cultivar:** 27/57/264.  **pedigree:** Seedling selection.  **remarks:** This clone was selected for verticillium resistance. Perennial. Genetic Material. Plant.

PI 559267  
**origin:** United Kingdom.  **origin institute:** Wye college, England.  **cultivar:** Int. 30.  **pedigree:** Seedling selection.  **remarks:** This clone was selected for Verticillium resistance. Perennial. Genetic Material. Plant.

PI 559268  
**origin:** United States.  **pedigree:** Collected from the wild in North Dakota.  **locality:** Minot, along the south side of the Souris River.  **remarks:** Definitely associated with trees in this locale. Perennial. Wild. Plant.

PI 559269  
**origin:** United States.  **pedigree:** Collected from the wild in North Dakota.  **locality:** Minot, North side of the Souris River, on private property. Perennial. Wild. Plant.

PI 559270 to 559275. Humulus lupulus L. CANNABACEAE Hops

**Donated by:** Hampton, R.O., Oregon State University, Dept. Botany and Plant Path., Corvallis, Oregon, United States. Received May 06, 1988.

PI 559270  

PI 559271  
**origin:** United States.  **historical origin:** United States.  **origin institute:** Oregon State University, Dept. Botany and Plant Pathology, Corvallis, Oregon 97331.  **cultivar:** Tug Fork No. 3.  **pedigree:** Open pollinated seed from plants collected wild.  **collected:** July 27, 1987.  **locality:** Along the Tug Fork River in eastern Kentucky. Perennial. Breeding Material. Seed.
PI 559272  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** Oregon State University, Dept. Botany and Plant Pathology, Corvallis, Oregon 97331.  
**cultivar:** Tug Fork No. 8.  
**pedigree:** Open pollinated seed from plants collected wild.  
**locality:** Along the Tug Fork River in eastern Kentucky.  
**Perennial. Breeding Material. Seed.**

PI 559273  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** Oregon State University, Dept. Botany and Plant Pathology, Corvallis, Oregon 97331.  
**cultivar:** Tug Fork No. 9.  
**pedigree:** Open pollinated seed from plants collected wild.  
**locality:** Along the Tug Fork River in eastern Kentucky.  
**Perennial. Breeding Material. Seed.**

PI 559274  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** Oregon State University, Dept. Botany and Plant Pathology, Corvallis, Oregon 97331.  
**cultivar:** Tug Fork No. 11.  
**pedigree:** Open pollinated seed from plants collected wild.  
**locality:** Along the Tug Fork River in eastern Kentucky.  
**Perennial. Breeding Material. Seed.**

PI 559275  
**origin:** United States.  
**historical origin:** United States.  
**origin institute:** Oregon State University, Dept. Botany and Plant Pathology, Corvallis, Oregon 97331.  
**cultivar:** Tug Fork No. 12.  
**pedigree:** Open pollinated seed from plants collected wild.  
**locality:** Along the Tug Fork River in eastern Kentucky.  
**Perennial. Breeding Material. Seed.**

PI 559276. **Humulus lupulus L. CANNABACEAE Hops**

**Donated by:** Haunold, A., USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon, United States.  
**Received 1986.**

**origin:** United States.  
**historical origin:** United States.  
**origin institute:** University of Idaho, Research and Extension Center, Parma, Idaho 83660.  
**cultivar:** Pocket Talisman.  
**pedigree:** Apparent somatic mutation of Talisman.  
**other id:** CV-4.  
**source:** Crop Sci. 16(2):310 1976.  
**group:** CSR-HOP.  
**other id:** Talisman T-1.  
**other id:** USDA 21115.  
**remarks:** Plant has a high population of flowering laterals bearing small, compact cones. Aroma and resin same as Talisman.  
**Perennial. Cultivar. Plant.**
PI 559277 to 559280. Humulus lupulus L. CANNABACEAE Hops

Donated by: Haunold, A., USDA/ARS Hops Research Project, East Farm, Corvallis, Oregon, United States. Received October 24, 1991.

PI 559277

PI 559278

PI 559279

PI 559280

PI 559281. Glycine tabacina (Labill.) Benth. FABACEAE Perennial soybean

Donated by: Hymowitz, T., University of Illinois, Department of Agronomy, 1102 S. Goodwin Avenue, Urbana, Illinois, United States. Received .

origin: Taiwan. origin institute id: IL 881. collected: April 08, 1988. locality: Collected by the airport (NE) on Chimi Island, Pescador Islands, Taiwan. Perennial. Wild. Seed.
PI 559282 to 559288. Glycine clandestina Wendl. FABACEAE Perennial soybean

**Donated by:** Brown, A.H.D., CSIRO, Division of Plant Industry, GPO Box 1600, Canberra, ACT, Queensland, Australia. Received June 13, 1989.

PI 559282 **origin:** Australia. **origin institute id:** IL 957. 
**collected:** August 10, 1985. **collector id:** 632/3,4. 
**other id:** G 2144. **source:** Section of Genetic Resources, CSIRO, Australia. **group:** GNO. **locality:** Mount Hutton, 125 km W of Tarsom. **latitude:** 25 deg. 50 min. S. **longitude:** 149 deg. 49 min. E. **elevation:** 400mm. Perennial. Wild. Seed.

PI 559283 **origin:** Australia. **origin institute id:** IL 959. 
**collected:** August 11, 1985. **collector id:** 638/17. **other id:** G 2146. **source:** Section of Genetic Resources, CSIRO, Australia. **group:** GNO. **locality:** Ingelasa, 13.6 km W of Wyseby. **latitude:** 24 deg. 59 min. S. **longitude:** 148 deg. 23 min. E. **elevation:** 300mm. Perennial. Wild. Seed.

PI 559284 **origin:** Australia. **origin institute id:** IL 975. 
**collected:** August 20, 1985. **collector id:** 817/14. **other id:** G 2162. **source:** Section of Genetic Resources, CSIRO, Australia. **group:** GNO. **locality:** Tanduringie Creek, 2.4 km N of Maidenwell. **latitude:** 26 deg. 50 min. S. **longitude:** 151 deg. 48 min. E. **elevation:** 500mm. Perennial. Wild. Seed.

PI 559285 **origin:** Australia. **origin institute id:** IL 978. 
**collected:** August 20, 1985. **collector id:** 821/1-3. 
**other id:** G 2165. **source:** Section of Genetic Resources, CSIRO, Australia. **group:** GNO. **locality:** Alice Creek, 9.8 km SW of Kumbia. **latitude:** 26 deg. 45 min. S. **longitude:** 151 deg. 36 min. E. **elevation:** 556mm. Perennial. Wild. Seed.

PI 559286 **origin:** Australia. **origin institute id:** IL 985. 
**collected:** August 22, 1985. **collector id:** 836/1-6. 
**other id:** G 2172. **source:** Section of Genetic Resources, CSIRO, Australia. **group:** GNO. **locality:** Mooloolaba River, 2 km S of Mooloolaba. **latitude:** 26 deg. 38 min. S. **longitude:** 153 deg. 09 min. E. **elevation:** 5mm. Perennial. Wild. Seed.

PI 559287 **origin:** Australia. **origin institute id:** IL 1007. 
**collected:** October 27, 1985. **collector id:** 921. **other id:** G 2374. **source:** Section of Genetic Resources, CSIRO, Australia. **group:** GNO. **locality:** Leigh Creek, 5.6 km E of Copley. **latitude:** 30 deg. 35 min. S. **longitude:** 138 deg. 30 min. E. **elevation:** 300mm. Perennial. Wild. Seed.
PI 559288. Glycine cyrtoloba Tind. FABACEAE Perennial soybean

Donated by: Brown, A.H.D., CSIRO, Division of Plant Industry, GPO Box 1600, Canberra, ACT, Queensland, Australia. Received June 13, 1989.


PI 559290 to 559306. Glycine latifolia (Benth.) C. Newell & Hymowitz FABACEAE Perennial soybean

Donated by: Brown, A.H.D., CSIRO, Division of Plant Industry, GPO Box 1600, Canberra, ACT, Queensland, Australia. Received June 13, 1989.


PI 559290 to 559306-continued

PI 559292
origin: Australia. origin institute id: IL 1047.
collected: August 11, 1985. collector id: 638/3,6.

PI 559293
origin: Australia. origin institute id: IL 1048.
other id: G 2115. source: Section of Genetic Resources, CSIRO, Australia. group: GNO. locality: Aldinga Droughtmaster Stud, 44 km SW of Rolleston. latitude: 24 deg. 46 min. S. longitude: 148 deg. 22 min. E.

PI 559294
origin: Australia. origin institute id: IL 1049.
other id: G 2116. source: Section of Genetic Resources, CSIRO, Australia. group: GNO. locality: Sandy Creek, 40 km WSW of Rolleston. latitude: 24 deg. 38 min. S. longitude: 148 deg. 20 min. E.

PI 559295
origin: Australia. origin institute id: IL 1050.
collected: August 13, 1985. collector id: 656/1-5.
other id: G 2117. source: Section of Genetic Resources, CSIRO, Australia. group: GNO. locality: Cairdbiegn Creek, 12 km S of Springsure. latitude: 24 deg. 14 min. S. longitude: 148 deg. 06 min. E.

PI 559296
origin: Australia. origin institute id: IL 1053.
other id: G 2120. source: Section of Genetic Resources, CSIRO, Australia. group: GNO. locality: Retro Creek, 23 km NW of Capella. latitude: 22 deg. 59 min. S. longitude: 147 deg. 50 min. E.

PI 559297
origin: Australia. origin institute id: IL 1054.
other id: G 2121. source: Section of Genetic Resources, CSIRO, Australia. group: GNO. locality: Retro Creek, 15 km NW of Capella. latitude: 23 deg. 03 min. S. longitude: 147 deg. 54 min. E.


PI 559307 to 559310. Glycine microphylla (Benth.) Tind. FABACEAE Perennial soybean

Donated by: Brown, A.H.D., CSIRO, Division of Plant Industry, GPO Box 1600, Canberra, ACT, Queensland, Australia. Received June 13, 1989.


PI 559309  origin: Australia.  origin institute id: IL 1072.  
collected: August 20, 1985.  collector id: 819/1,4.  
other id: G 2302.  source: Section of Genetic Resources, 
CSIRO, Australia.  group: GNO.  locality: Bunya Mountains 
State Forest, 19.3 km W of Maidenwell.  latitude: 26 deg. 
52 min. S.  longitude: 151 deg. 37 min. E.  elevation: 
833mm.  Perennial.  Wild.  Seed.

PI 559310  origin: Australia.  origin institute id: IL 1074.  
collected: August 23, 1985.  collector id: 840.  other 
id: G 2340.  source: Section of Genetic Resources, CSIRO, 
Australia.  group: GNO.  locality: Howard Creek, 10.5 km 
W of Oxenford.  latitude: 27 deg. 52 min. S.  longitude: 
153 deg. 15 min. E.  elevation: 400mm.  Perennial.  Wild.  Seed.

PI 559311 to 559358. Glycine tabacina (Labill.) Benth.  FABACEAE  
Perennial soybean

Donated by: Brown, A.H.D., CSIRO, Division of Plant Industry, GPO 
Box 1600, Canberra, ACT, Queensland, Australia.  Received June 13, 
1989.

PI 559311  origin: Australia.  origin institute id: IL 1085.  
collected: August 13, 1985.  collector id: 656/6.  other 
id: G 2185.  source: Section of Genetic Resources, CSIRO, 
Australia.  group: GNO.  locality: Cairdbeign Creek, 12 
km S of Springsure.  latitude: 24 deg. 14 min. S.  longitude: 

PI 559312  origin: Australia.  origin institute id: IL 1087.  
collected: August 14, 1985.  collector id: 666/1-3.  other 
id: G 2187.  source: Section of Genetic Resources, 
CSIRO, Australia.  group: GNO.  locality: 2.3 km W of 
Yamala, 19.5 km E. of Emerald.  latitude: 23 deg. 35 min. 
S.  longitude: 148 deg. 20 min. E.  elevation: 190mm.  
Perennial.  Wild.  Seed.

PI 559313  origin: Australia.  origin institute id: IL 1105.  
collected: August 15, 1985.  collector id: 669/3.  other 
id: G 2208.  source: Section of Genetic Resources, CSIRO, 
Australia.  group: GNO.  locality: Gap Creek, overflow, 
16.6 km W of Anakie.  latitude: 23 deg. 38 min. S.  longitude: 
PI 559314 origin: Australia. origin institute id: IL 1109.

PI 559315 origin: Australia. origin institute id: IL 1114.
collected: August 18, 1985. collector id: 696/all.

PI 559316 origin: Australia. origin institute id: IL 1119.

PI 559317 origin: Australia. origin institute id: IL 1121.
collected: August 19, 1985. collector id: 807/1,2.

PI 559318 origin: Australia. origin institute id: IL 1126.
collected: August 20, 1985. collector id: 823/111.

PI 559319 origin: Australia. origin institute id: IL 1143.
PI 559320  origin: Australia.  origin institute id: IL 1149.
collected: August 12, 1985.  collector id: 645/9.  other
id: G 2256.  source: Section of Genetic Resources, CSIRO,
Australia.  group: GNO.  locality: 14 km S of Wyseby.
latitude: 25 deg. 06 min.  S.  longitude: 148 deg. 35 min.

PI 559321  origin: Australia.  origin institute id: IL 1150.
collected: August 12, 1985.  collector id: 646/1-7.
other id: G 2257.  source: Section of Genetic Resources,
CSIRO, Australia.  group: GNO.  locality: Christmas
Creek, 40 km S of Rolleston.  latitude: 24 deg. 48 min.
S.  longitude: 148 deg. 32 min.  E.  elevation: 270mm.
Perennial.  Wild.  Seed.

PI 559322  origin: Australia.  origin institute id: IL 1151.
collected: August 12, 1985.  collector id: 648/2.  other
id: G 2258.  source: Section of Genetic Resources, CSIRO,
Australia.  group: GNO.  locality: Sandy Creek, 40 km WSW
of Rolleston.  latitude: 24 deg. 38 min.  S.  longitude:
Seed.

PI 559323  origin: Australia.  origin institute id: IL 1152.
collected: August 13, 1985.  collector id: 653/1,2.
other id: G 2259.  source: Section of Genetic Resources,
CSIRO, Australia.  group: GNO.  locality: Aldebaran
Creek, 27 km NW of Rolleston.  latitude: 24 deg. 20 min.
S.  longitude: 148 deg. 22 min.  E.  elevation: 230mm.
Perennial.  Wild.  Seed.

PI 559324  origin: Australia.  origin institute id: IL 1153.
other id: G 2260.  source: Section of Genetic Resources,
CSIRO, Australia.  group: GNO.  locality: Mt. Sirius,
50.3 km NW of Rolleston.  latitude: 24 deg. 13 min.  S.
longitude: 148 deg. 13 min.  E.  elevation: 350mm.
Perennial.  Wild.  Seed.

PI 559325  origin: Australia.  origin institute id: IL 1154.
collected: August 14, 1985.  collector id: 661/9.  other
id: G 2261.  source: Section of Genetic Resources, CSIRO,
Australia.  group: GNO.  locality: Capella Creek, 1 km N
of Capella.  latitude: 23 deg. 05 min.  S.  longitude: 148
deg. 01 min.  E.  elevation: 200mm.  Perennial.  Wild.
Seed.
PI 559326  origin: Australia. origin institute id: IL 1156.  

PI 559327  origin: Australia. origin institute id: IL 1157.  

PI 559328  origin: Australia. origin institute id: IL 1158.  

PI 559329  origin: Australia. origin institute id: IL 1159.  

PI 559330  origin: Australia. origin institute id: IL 1160.  

PI 559331  origin: Australia. origin institute id: IL 1161.  
PI 559332

origin: Australia. origin institute id: IL 1162.

PI 559333

origin: Australia. origin institute id: IL 1163.

PI 559334

origin: Australia. origin institute id: IL 1164.

PI 559335

origin: Australia. origin institute id: IL 1165.

PI 559336

origin: Australia. origin institute id: IL 1166.

PI 559337

origin: Australia. origin institute id: IL 1167.
PI 559338  origin: Australia. origin institute id: IL 1168. 

PI 559339  origin: Australia. origin institute id: IL 1169. 

PI 559340  origin: Australia. origin institute id: IL 1171. 

PI 559341  origin: Australia. origin institute id: IL 1172. 

PI 559342  origin: Australia. origin institute id: IL 1173. 

PI 559343  origin: Australia. origin institute id: IL 1174. 
PI 559344  
origin: Australia.  origin institute id: IL 1175.  
collected: August 20, 1985.  collector id: 823.  other  
id: G 2283.  source: Section of Genetic Resources, CSIRO,  
Australia.  group: GNO.  locality: Stuart River, 15 km SW  
of Kingaroy.  latitude: 26 deg. 36 min. S.  longitude:  
151 deg. 46 min. E.  elevation: 350mm.  Perennial.  Wild.  
Seed.

PI 559345  
origin: Australia.  origin institute id: IL 1176.  
collected: August 21, 1985.  collector id: 824/2,3.  other  
id: G 2284.  source: Section of Genetic Resources,  
CSIRO, Australia.  group: GNO.  locality: Tingoora, 22.4  
km N of Kingaroy.  latitude: 26 deg. 22 min. S.  longitude:  
151 deg. 48 min. E.  elevation: 500mm.  Perennial.  Wild.  
Seed.

PI 559346  
origin: Australia.  origin institute id: IL 1177.  
collected: August 21, 1985.  collector id: 825/3.  other  
id: G 2285.  source: Section of Genetic Resources, CSIRO,  
Australia.  group: GNO.  locality: Barambah Creek, 5 km E  
of Murgon.  latitude: 26 deg. 15 min. S.  longitude: 151  
deg. 54 min. E.  elevation: 333mm.  Perennial.  Wild.  
Seed.

PI 559347  
origin: Australia.  origin institute id: IL 1178.  
collected: August 21, 1985.  collector id: 826/5.  other  
id: G 2286.  source: Section of Genetic Resources, CSIRO,  
Australia.  group: GNO.  locality: Wide Bay Creek, 9 km  
SW of Kilkivan.  latitude: 26 deg. 09 min. S.  longitude:  
Seed.

PI 559348  
origin: Australia.  origin institute id: IL 1180.  
collected: August 21, 1985.  collector id: 833/1,2.  other  
id: G 2289.  source: Section of Genetic Resources,  
CSIRO, Australia.  group: GNO.  locality: Buderim, 16.2  
km S of Nambour.  latitude: 26 deg. 44 min. S.  longitude:  
153 deg. 03 min. E.  elevation: 80mm.  Perennial.  Wild.  
Seed.

PI 559349  
origin: Australia.  origin institute id: IL 1181.  
collected: August 22, 1985.  collector id: 839/1-5.  other  
id: G 2290.  source: Section of Genetic Resources,  
CSIRO, Australia.  group: GNO.  locality: Mountain Creek,  
2 km SW of Buderun.  latitude: 26 deg. 42 min. S.  longitude:  
153 deg. 03 min. E.  elevation: 50mm.  Perennial.  Wild.  
Seed.
PI 559350  
**origin:** Australia.  
**origin institute id:** IL 1182.  
**collected:** August 23, 1985.  
**collector id:** 841/4,5.  
**other id:** G 2291.  
**source:** Section of Genetic Resources, CSIRO, Australia.  
**group:** GNO.  
**locality:** Mt. Tamborne, 14.7 km W of Oxenford.  
**latitude:** 27 deg. 50 min. S.  
**longitude:** 153 deg. 13 min. E.  
**elevation:** 500mm.  
**Perennial. Wild. Seed.**

PI 559351  
**origin:** Australia.  
**origin institute id:** IL 1183.  
**collected:** August 23, 1985.  
**collector id:** 842/5-7.  
**other id:** G 2292.  
**source:** Section of Genetic Resources, CSIRO, Australia.  
**group:** GNO.  
**locality:** Cedar Creek National Park, 7 km SE of Tamborne.  
**latitude:** 27 deg. 50 min. S.  
**longitude:** 153 deg. 10 min. E.  
**elevation:** 500mm.  
**Perennial. Wild. Seed.**

PI 559352  
**origin:** Australia.  
**origin institute id:** IL 1185.  
**collected:** August 24, 1985.  
**collector id:** 846/1-9.  
**other id:** G 2294.  
**source:** Section of Genetic Resources, CSIRO, Australia.  
**group:** GNO.  
**locality:** Macintyre Brook, Whetstone Bridge, 18.6 km S of Inglewood.  
**latitude:** 28 deg. 30 min. S.  
**longitude:** 150 deg. 47 min. E.  
**elevation:** 285mm.  
**Perennial. Wild. Seed.**

PI 559353  
**origin:** Australia.  
**origin institute id:** IL 1186.  
**collected:** August 17, 1985.  
**collector id:** 693.  
**other id:** G 2298.  
**source:** Section of Genetic Resources, CSIRO, Australia.  
**group:** GNO.  
**locality:** Warrego River, Charleville, near bridge.  
**latitude:** 26 deg. 24 min. S.  
**longitude:** 146 deg. 14 min. E.  
**elevation:** 400mm.  
**Perennial. Wild. Seed.**

PI 559354  
**origin:** Australia.  
**origin institute id:** IL 1187.  
**collected:** August 17, 1985.  
**collector id:** 690/2,5.  
**other id:** G 2338.  
**source:** Section of Genetic Resources, CSIRO, Australia.  
**group:** GNO.  
**locality:** Warrego River, Augathella.  
**latitude:** 24 deg. 48 min. S.  
**longitude:** 146 deg. 35 min. E.  
**elevation:** 360mm.  
**Perennial. Wild. Seed.**

PI 559355  
**origin:** Australia.  
**origin institute id:** IL 1188.  
**collected:** August 20, 1985.  
**collector id:** 814/3.  
**other id:** G 2341.  
**source:** Section of Genetic Resources, CSIRO, Australia.  
**group:** GNO.  
**locality:** Bunya Mountains National Park, 54 km NE of Dalby.  
**latitude:** 26 deg. 54 min. S.  
**longitude:** 151 deg. 38 min. E.  
**elevation:** 1000mm.  
**Perennial. Wild. Seed.**


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Rice 558500-558501
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Romaine lettuce 557554-557555
Russian wildrye 556988
Smooth bromegrass 557437-557441
Sorghum 555456-555457, 556951-556952
Spiny Currant 556157
Stokes' aster 557007-557008
Sugarbeet 555454, 558505-558507, 558513-558515
Sugarcane 555668
Sweet potato 556936-556947
Sweetclover 557503-557533
Tall fescue 555652
Teff 557456-557457
Tobacco 555682-555685, 555687-555725, 556976-556977, 558503-558504, 558512
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Upland cotton 556456, 556978-556979
Verbena 555662-555664
Watermelon 556994-556995
Wheat 555458, 555465, 556466
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White clover 556991
Wildrye 557455
Acronyms

For space conservation and consistency in identifying locations, the following acronyms have been used in Plant Inventory 200:

AVRDC - Asian Vegetable Research and Development Center (Taiwan)
CIMMYT - Centro Internacional de Mejoramiento de Maiz y Trigo (Mexico)
CIAT - Centro Internacional de Agricultura Tropical (Colombia)
CSIRO - Commonwealth Scientific and Industrial Research Organization (Australia)
EMBRAPA- - Empresa Brasileira de Pesquisas Agropecuarias
CENARGEN - Centro Nacional de Recursos Geneticos (Brazil)
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
IFAS - Institute of Food and Agricultural Science (USA)
IFOGU - Institut fur Obstbau und Gemusebau (Germany)
INRA - Institut National de la Recherche Agronomique (France)
IITA - International Institute of Tropical Agriculture (Nigeria)
IPPPQ - Institute for Plant Production and Qualification (Hungary)
ORSTOM - Office de la recherche scientifique et technique d'outre mer (France)
PGQO - Plant Germplasm Quarantine Office (USA)
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)