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United States  
Department of  
Agriculture

Agricultural  
Research  
Service

# Plant Inventory No. 198, Part I

Plant Materials Introduced  
January 1 to June 30, 1989  
(Nos. 527507 to 532832)



507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000

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Plant Inventory No. 198 is divided into two parts that encompass PIs 527507 - 536644 for calendar year 1989. Questions about data organization and proper plant identification should be directed to the authors. This is not a listing of plant materials for distribution.

Thanks are expressed to the following persons associated with the Plant Introduction Office for their contribution to Plant Inventory No. 198: L.G. Garner and R.A. Norris for continued excellence in handling all aspects of the computer system operation. Assistance by members of the Germplasm Resources Information Network (GRIN) with software and hardware problems is appreciated. Special thanks are extended to L.L. Jansen for his contributions in documenting data on the cotton collection.

Vicki Binstock, faculty research assistant  
Department of Botany, University of Maryland  
College Park, MD 20742

and

George A. White, agriculturalist  
Plant Introduction Office  
Beltsville Agricultural Research Center  
Beltsville, MD 20705

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PI 527507 to 527540. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Toll, J., IBPGR, Rome, Italy; and Nahimana, M., IRAZ, Gitega, Burundi; and Nikoyagize, H., ISAUB, Bujumbura, Burundi.  
**remarks:** Received through IBPGR, Rome, Italy. Collectors J. Toll, IBPGR; M. Nahimana, IRAZ; N. Nlandu, IRAZ; and H. Nikoyagize, ISAUB. Received February 07, 1987.

- PI 527507 **donor id:** IZ 7. **origin:** Burundi. **collected:** May 16, 1985. **collector id:** IZ 7. **locality:** Katura, Bubanza Commune, Bubanza. **latitude:** 3 deg. 7 min. S. **longitude:** 29 deg. 24 min. E. **elevation:** 910m. Primitive Cultivar. Seed.
- PI 527508 **donor id:** IZ 10. **origin:** Burundi. **collected:** May 17, 1985. **collector id:** IZ 10. **locality:** Kayange, Buganda Commune, Cibitoke. **latitude:** 3 deg. 1 min. S. **longitude:** 29 deg. 16 min. E. **elevation:** 890m. Primitive Cultivar. Seed.
- PI 527509 **donor id:** IZ 12. **origin:** Burundi. **collected:** May 17, 1985. **collector id:** IZ 12. **locality:** Gasenyi, Buganda Commune, Cibitoke. **latitude:** 2 deg. 58 min. S. **longitude:** 29 deg. 11 min. E. **elevation:** 880m. Primitive Cultivar. Seed.
- PI 527510 **donor id:** IZ 19. **origin:** Burundi. **collected:** May 18, 1985. **collector id:** IZ 19. **locality:** Rugombo Commune, Cibitoke. **latitude:** 2 deg. 43 min. S. **longitude:** 29 deg. 3 min. E. **elevation:** 950m. Primitive Cultivar. Seed.
- PI 527511 **donor id:** IZ 20. **origin:** Burundi. **collected:** May 18, 1985. **collector id:** IZ 20. **locality:** Rugombo Commune, Cibitoke. **latitude:** 2 deg. 48 min. S. **longitude:** 29 deg. 5 min. E. **elevation:** 1020m. Primitive Cultivar. Seed.
- PI 527512 **donor id:** IZ 21. **origin:** Burundi. **collected:** May 18, 1985. **collector id:** IZ 21. **locality:** Rugombo Commune, Cibitoke. **latitude:** 2 deg. 48 min. S. **longitude:** 29 deg. 5 min. E. **elevation:** 1020m. Primitive Cultivar. Seed.
- PI 527513 **donor id:** IZ 30. **origin:** Burundi. **collected:** May 20, 1985. **collector id:** IZ 30. **locality:** Kabonga, Nyanza-Lac Commune, Makamba. **latitude:** 4 deg. 24 min. S. **longitude:** 29 deg. 40 min. E. **elevation:** 820m. Primitive Cultivar. Seed.

PI 527507 to 527540-continued

- PI 527514 donor id: IZ 31. origin: Burundi. collected: May 20, 1985. collector id: IZ 31. locality: Muyanga, Nyanza-Lac Commune, Makamba. latitude: 4 deg. 19 min. S. longitude: 29 deg. 40 min. E. elevation: 960m. Primitive Cultivar. Seed.
- PI 527515 donor id: IZ 33. origin: Burundi. collected: May 21, 1985. collector id: IZ 33. locality: Kazirabageni, Nyanza-Lac Commune, Makamba. latitude: 4 deg. 16 min. S. longitude: 29 deg. 37 min. E. elevation: 870m. Primitive Cultivar. Seed.
- PI 527516 donor id: IZ 34. origin: Burundi. collected: May 21, 1985. collector id: IZ 34. locality: Kazirabageni, Nyanza-Lac Commune, Makamba. latitude: 4 deg. 15 min. S. longitude: 29 deg. 37 min. E. elevation: 880m. Primitive Cultivar. Seed.
- PI 527517 donor id: IZ 40. origin: Burundi. collected: May 21, 1985. collector id: IZ 40. locality: Busebwa, Rumonge Commune, Bururi. latitude: 4 deg. 4 min. S. longitude: 29 deg. 30 min. E. elevation: 880m. Primitive Cultivar. Seed.
- PI 527518 donor id: IZ 41. origin: Burundi. collected: May 21, 1985. collector id: IZ 41. locality: Rutumo, Rumonge, Bururi. latitude: 3 deg. 51 min. S. longitude: 29 deg. 23 min. E. elevation: 860m. Primitive Cultivar. Seed.
- PI 527519 donor id: IZ 50. origin: Burundi. collected: May 27, 1985. collector id: IZ 50. locality: Kibimba Colline, Giharo Commune, Rutana. latitude: 3 deg. 49 min. S. longitude: 30 deg. 17 min. E. elevation: 1210m. Primitive Cultivar. Seed.
- PI 527520 donor id: IZ 58. origin: Burundi. collected: May 28, 1985. collector id: IZ 58. locality: Ruveri Colline, Kinyinya Commune, Ruyigi. latitude: 3 deg. 37 min. S. longitude: 30 deg. 26 min. E. elevation: 1190m. Primitive Cultivar. Seed.
- PI 527521 donor id: IZ 63. origin: Burundi. collected: May 29, 1985. collector id: IZ 63. locality: Rugwe Colline, Bukemba Commune, Rutana. latitude: 3 deg. 59 min. S. longitude: 30 deg. 4 min. E. elevation: 1200m. Primitive Cultivar. Seed.
- PI 527522 donor id: IZ 67. origin: Burundi. collected: May 30, 1985. collector id: IZ 67. locality: Mugeru Colline, Mushuha Commune, Cankuzo. latitude: 3 deg. 3 min. S. longitude: 30 deg. 41 min. E. elevation: 1400m. Primitive Cultivar. Seed.

PI 527507 to 527540-continued

- PI 527523 donor id: IZ 68. origin: Burundi. collected: May 30, 1985. collector id: IZ 68. locality: Mugeru Colline, Mushiha Commune, Cankuzo. latitude: 3 deg. 3 min. S. longitude: 30 deg. 41 min. E. elevation: 1400m. Primitive Cultivar. Seed.
- PI 527524 donor id: IZ 70. origin: Burundi. collected: May 30, 1985. collector id: IZ 70. locality: Karemera Colline - Buhoro, Mushiha Commune, Cankuzo. latitude: 3 deg. 1 min. S. longitude: 30 deg. 43 min. E. elevation: 1420m. Primitive Cultivar. Seed.
- PI 527525 donor id: IZ 71. origin: Burundi. collected: May 30, 1985. collector id: IZ 71. locality: Karemera Colline - Buhoro, Mushiha Commune, Cankuzo. latitude: 3 deg. 1 min. S. longitude: 30 deg. 43 min. E. elevation: 1420m. Primitive Cultivar. Seed.
- PI 527526 donor id: IZ 72. origin: Burundi. collected: May 30, 1985. collector id: IZ 72. locality: Karemera Colline - Buhoro, Mushiha Commune, Cankuzo. latitude: 3 deg. 1 min. S. longitude: 30 deg. 43 min. E. elevation: 1420m. Primitive Cultivar. Seed.
- PI 527527 donor id: IZ 73. origin: Burundi. collected: May 30, 1985. collector id: IZ 73. locality: Karemera Colline - Buhoro, Mushiha Commune, Cankuzo. latitude: 3 deg. 1 min. S. longitude: 30 deg. 43 min. E. elevation: 1420m. Primitive Cultivar. Seed.
- PI 527528 donor id: IZ 74. origin: Burundi. collected: May 30, 1985. collector id: IZ 74. locality: Mwiruzi Colline (Canika), Mushiha Commune, Cankuzo. latitude: 3 deg. 4 min. S. longitude: 30 deg. 46 min. E. elevation: 1410m. Primitive Cultivar. Seed.
- PI 527529 donor id: IZ 78. origin: Burundi. collected: June 10, 1985. collector id: IZ 78. locality: Murama Colline, Kirundo Commune, Kirundo. latitude: 2 deg. 34 min. S. longitude: 30 deg. 6 min. E. elevation: 1420m. Primitive Cultivar. Seed.
- PI 527530 donor id: IZ 83. origin: Burundi. collected: June 10, 1985. collector id: IZ 83. locality: Murama Colline, Kirundo Commune, Kirundo. latitude: 2 deg. 34 min. S. longitude: 30 deg. 6 min. E. elevation: 1420m. Primitive Cultivar. Seed.

PI 527507 to 527540-continued

- PI 527531 donor id: IZ 84. origin: Burundi. collected: June 10, 1985. collector id: IZ 84. locality: Murama Colline, Kirundo Commune, Kirundo. latitude: 2 deg. 34 min. S. longitude: 30 deg. 6 min. E. elevation: 1420m. Primitive Cultivar. Seed.
- PI 527532 donor id: IZ 86. origin: Burundi. collected: June 10, 1985. collector id: IZ 86. locality: Yaranda Colline, Kirundo Commune, Kirundo. latitude: 2 deg. 29 min. S. longitude: 30 deg. 5 min. E. elevation: 1380m. Primitive Cultivar. Seed.
- PI 527533 donor id: IZ 87. origin: Burundi. collected: June 10, 1985. collector id: IZ 87. locality: Yaranda Colline, Kirundo Commune, Kirundo. latitude: 2 deg. 29 min. S. longitude: 30 deg. 5 min. E. elevation: 1380m. Primitive Cultivar. Seed.
- PI 527534 donor id: IZ 88. origin: Burundi. collected: June 10, 1985. collector id: IZ 88. locality: Yaranda Colline, Kirundo Commune, Kirundo. latitude: 2 deg. 29 min. S. longitude: 30 deg. 5 min. E. elevation: 1380m. Primitive Cultivar. Seed.
- PI 527535 donor id: IZ 89. origin: Burundi. collected: June 10, 1985. collector id: IZ 89. locality: Yaranda Colline, Kirundo Commune, Kirundo. latitude: 2 deg. 29 min. S. longitude: 30 deg. 5 min. E. elevation: 1380m. Primitive Cultivar. Seed.
- PI 527536 donor id: IZ 98. origin: Burundi. collected: June 11, 1985. collector id: IZ 98. locality: Route Busoni a Gatere, Burara Colline, Busoni Commune, Kirundo. latitude: 2 deg. 30 min. S. longitude: 30 deg. 14 min. E. elevation: 1370m. Primitive Cultivar. Seed.
- PI 527537 donor id: IZ 102. origin: Burundi. collected: June 11, 1985. collector id: IZ 102. locality: Rungazi Colline, Gitobe Commune, Kirundo. latitude: 2 deg. 36 min. S. longitude: 30 deg. 15 min. E. elevation: 1425m. Primitive Cultivar. Seed.
- PI 527538 donor id: IZ 114. origin: Burundi. collected: June 12, 1985. collector id: IZ 114. locality: Kiri Colline, Bugavira Commune, Kirundo. latitude: 2 deg. 22 min. S. longitude: 29 deg. 59 min. E. elevation: 1400m. Primitive Cultivar. Seed.

PI 527507 to 527540-continued

PI 527539 donor id: IZ 115. origin: Burundi. collected: June 12, 1985. collector id: IZ 115. locality: Kiri Colline, Bugavira Commune, Kirundo. latitude: 2 deg. 22 min. S. longitude: 29 deg. 59 min. E. elevation: 1400m. Primitive Cultivar. Seed.

PI 527540 donor id: IZ 117. origin: Burundi. collected: June 12, 1985. collector id: IZ 117. locality: Kirundo. latitude: 2 deg. 22 min. S. longitude: 30 deg. 30 min. E. elevation: 1440m. Primitive Cultivar. Seed.

PI 527541 to 527557. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Toll, J., IBPGR, Rome, Italy; and Nahimana, M., IRAZ, Gitega, Burundi; and Nikoyagize, H., ISAUB, Bujumbura, Burundi. remarks: Received through IBPGR, Rome, Italy. Collectors J. Toll, IBPGR; M. Nahimana, IRAZ; N. Nlandul, IRAZ; and H. Nikoyagize, ISAUB. Received February 07, 1987.

PI 527541 donor id: IZ 11. origin: Burundi. collected: May 17, 1985. collector id: IZ 11. locality: Kayange, Buganda Commune, Cibitoke. latitude: 3 deg. 1 min. S. longitude: 29 deg. 16 min. E. elevation: 890m. restricted: QUAR. Primitive Cultivar. Seed.

PI 527542 donor id: IZ 45. origin: Burundi. collected: May 27, 1985. collector id: IZ 45. locality: Route Provinciale 85, Buyaga Colline, Giharo Commune, Rutana. latitude: 3 deg. 57 min. S. longitude: 30 deg. 10 min. E. elevation: 1190m. restricted: QUAR. Primitive Cultivar. Seed.

PI 527543 donor id: IZ 47. origin: Burundi. collected: May 27, 1985. collector id: IZ 47. locality: Kibimba Colline, Giharo Commune, Rutana. latitude: 3 deg. 49 min. S. longitude: 30 deg. 15 min. E. elevation: 1210m. restricted: QUAR. Primitive Cultivar. Seed.

PI 527544 donor id: IZ 48. origin: Burundi. collected: May 27, 1985. collector id: IZ 48. locality: Kibimba Colline, Giharo Commune, Rutana. latitude: 3 deg. 49 min. S. longitude: 30 deg. 15 min. E. elevation: 1210m. restricted: QUAR. Primitive Cultivar. Seed.

PI 527545 donor id: IZ 54. origin: Burundi. collected: May 28, 1985. collector id: IZ 54. locality: Nyarumuri Colline, Nyabisinda Commune, Ruyigi. latitude: 3 deg. 36 min. S. longitude: 30 deg. 16 min. E. elevation: 1250m. restricted: QUAR. Primitive Cultivar. Seed.

PI 527541 to 527557-continued

- PI 527546 donor id: IZ 56. origin: Burundi. collected: May 28, 1985. collector id: IZ 56. locality: Ruveri Colline, Kinyinya Commune, Ruyigi. latitude: 3 deg. 37 min. S. longitude: 30 deg. 26 min. E. elevation: 1190m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527547 donor id: IZ 57. origin: Burundi. collected: May 28, 1985. collector id: IZ 57. locality: Ruveri Colline, Kinyinya Commune, Ruyigi. latitude: 3 deg. 37 min. S. longitude: 30 deg. 26 min. E. elevation: 1190m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527548 donor id: IZ 60. origin: Burundi. collected: May 28, 1985. collector id: IZ 60. locality: Munazi Colline, Kinyinya Commune, Ruyigi. latitude: 3 deg. 41 min. S. longitude: 30 deg. 19 min. E. elevation: 1280m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527549 donor id: IZ 76. origin: Burundi. collected: June 10, 1985. collector id: IZ 76. locality: Murama Colline, Kirundo Commune, Kirundo. latitude: 2 deg. 34 min. S. longitude: 30 deg. 6 min. E. elevation: 1420m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527550 donor id: IZ 77. origin: Burundi. collected: June 10, 1985. collector id: IZ 77. locality: Murama Colline, Kirundo Commune, Kirundo. latitude: 2 deg. 34 min. S. longitude: 30 deg. 6 min. E. elevation: 1420m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527551 donor id: IZ 80. origin: Burundi. collected: June 10, 1985. collector id: IZ 80. locality: Murama Colline, Kirundo Commune, Kirundo. latitude: 2 deg. 34 min. S. longitude: 30 deg. 6 min. E. elevation: 1430m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527552 donor id: IZ 91. origin: Burundi. collected: June 10, 1985. collector id: IZ 91. locality: Sasa Colline, Ntega Commune, Kirundo. latitude: 2 deg. 35 min. S. longitude: 29 deg. 59 min. E. elevation: 1460m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527553 donor id: IZ 96. origin: Burundi. collected: June 11, 1985. collector id: IZ 96. locality: Burara Colline, route Busoni a Gatare, Busoni Commune, Kirundo. latitude: 2 deg. 30 min. S. longitude: 30 deg. 14 min. E. elevation: 1370m. restricted: QUAR. Primitive Cultivar. Seed.



PI 527541 to 527557-continued

- PI 527554 **donor id:** IZ 99. **origin:** Burundi. **collected:** June 11, 1985. **collector id:** IZ 99. **locality:** Burara Colline, route Busoni a Gatare, Busoni Commune, Kirundo. **latitude:** 2 deg. 30 min. S. **longitude:** 30 deg. 14 min. E. **elevation:** 1370m. **restricted:** QUAR. Primitive Cultivar. Seed.
- PI 527555 **donor id:** IZ 107. **origin:** Burundi. **collected:** June 12, 1985. **collector id:** IZ 107. **locality:** Kiri Colline, Bugavira Commune, Kirundo. **latitude:** 2 deg. 22 min. S. **longitude:** 30 deg. 00 min. E. **elevation:** 1440m. **restricted:** QUAR. Primitive Cultivar. Seed.
- PI 527556 **donor id:** IZ 110. **origin:** Burundi. **collected:** June 12, 1985. **collector id:** IZ 110. **locality:** Kiri Colline, Bugavira Commune, Kirundo. **latitude:** 2 deg. 22 min. S. **longitude:** 30 deg. 00 min. E. **elevation:** 1440m. **restricted:** QUAR. Primitive Cultivar. Seed.
- PI 527557 **donor id:** IZ 118. **origin:** Burundi. **collected:** June 12, 1985. **collector id:** IZ 118. **locality:** Kyonza Colline, Bugavira Commune, Kirundo. **latitude:** 2 deg. 23 min. S. **longitude:** 30 deg. 1 min. E. **elevation:** 1450m. **restricted:** QUAR. Primitive Cultivar. Seed.

PI 527558 to 527565. *Vigna unguiculata* (L.) Walp. FABACEAE Yard long bean

**Donated by:** Toll, J., IBPGR, Rome, Italy; and Nahimana, M., IRAZ, Gitega, Burundi; and Nikoyagize, H., ISAUB, Bujumbura, Burundi.  
**remarks:** Received through IBPGR, Rome, Italy. Collectors J. Toll, IBPGR; M. Nahimana, IRAZ; N. Nlandu, IRAZ; and H. Nikoyagize, ISAUB. Received February 07, 1987.

- PI 527558 **donor id:** IZ 2. **origin:** Burundi. **collected:** May 16, 1985. **collector id:** IZ 2. **locality:** Village 4, Gihanga, Bubanza. **latitude:** 3 deg. 14 min. S. **longitude:** 29 deg. 19 min. E. **elevation:** 820m. Primitive Cultivar. Seed.
- PI 527559 **donor id:** IZ 24. **origin:** Burundi. **local name:** Inkore. **collected:** May 20, 1985. **collector id:** IZ 24. **locality:** Kabonga/Route vers Banda, Nyanza-Lac Commune, Makamba. **latitude:** 4 deg. 26 min. S. **longitude:** 29 deg. 40 min. E. **elevation:** 800m. Primitive Cultivar. Seed.
- PI 527560 **donor id:** IZ 25. **origin:** Burundi. **collected:** May 20, 1985. **collector id:** IZ 25. **locality:** Kabonga/Route vers Banda, Nyanza-Lac Commune, Makamba. **latitude:** 4 deg. 26 min. S. **longitude:** 29 deg. 40 min. E. **elevation:** 800m. Primitive Cultivar. Seed.

PI 527558 to 527565-continued

- PI 527561 donor id: IZ 29. origin: Burundi. collected: May 20, 1985. collector id: IZ 29. locality: Kabonga/Route vers Banda, Nyanza-Lac Commune, Makamba. latitude: 4 deg. 24 min. S. longitude: 29 deg. 40 min. E. elevation: 800m. Primitive Cultivar. Seed.
- PI 527562 donor id: IZ 35. origin: Burundi. collected: May 21, 1985. collector id: IZ 35. locality: Kazira Bageni, Nyanza-Lac Commune, Makamba. latitude: 4 deg. 15 min. S. longitude: 29 deg. 37 min. E. elevation: 880m. Primitive Cultivar. Seed.
- PI 527563 donor id: IZ 37. origin: Burundi. collected: May 21, 1985. collector id: IZ 37. locality: Buheka, Nyanza-Lac Commune, Makamba. latitude: 4 deg. 13 min. S. longitude: 29 deg. 37 min. E. elevation: 900m. Primitive Cultivar. Seed.
- PI 527564 donor id: IZ 111. origin: Burundi. collected: June 12, 1985. collector id: IZ 111. locality: Kiri Colline, Bugavira Commune, Kirundo. latitude: 2 deg. 22 min. S. longitude: 30 deg. E. elevation: 1440m. Primitive Cultivar. Seed.
- PI 527565 donor id: IZ 112. origin: Burundi. collected: June 12, 1985. collector id: IZ 112. locality: Kiri Colline, Bugavira Commune, Kirundo. latitude: 2 deg. 22 min. S. longitude: 30 deg. E. elevation: 1440m. Primitive Cultivar. Seed.

PI 527566. *Oryza sativa* L. POACEAE Rice

Donated by: Johnson, C.W., Calif. Coop. Rice Res. Foundation, Inc., P.O. Box 306, Biggs, California, United States. Received February 14, 1989.

origin: United States. cultivar: M-103. pedigree: R6115[78-D-18347(SD7//Earlirose/Reimei)/M-302]. other id: 84-Y-9. other id: CV-79. group: CSR-RICE. other id: PVP 8900101. source: Pending. group: PVPO. remarks: Maturity early. Photoperiod insensitive, semidwarf, translucent, medium-grain cultivar. Leaves glabrous except few hairs on margins. Awns sparse. Seedling vigor adequate. Some resistance to lodging. Endosperm colorless, non-aromatic, non-waxy. Amylose content 18.8%. Useful in delayed plantings. Blanking resistance excellent. disease resistance: Stem rot. Cultivar. Seed.

PI 527567. *Amaranthus* sp. AMARANTHACEAE

**Donated by:** Toll, J., IBPGR, Rome, Italy; and Nahimana, M., IRAZ, Gitega, Burundi; and Nikoyagize, H., ISAUB, Bujumbura, Burundi.  
**remarks:** Received through IBPGR, Rome, Italy. Collectors J. Toll, IBPGR; M. Nahimana, IRAZ; N. Nlandu, IRAZ; and H. Nikoyagize, ISAUB. Received February 07, 1987.

**donor id:** IZ 32. **origin:** Burundi. **pedigree:** Muyange, Nyanza Lac Commune, Makamba. **collected:** May 20, 1985.  
**collector id:** IZ 32. **latitude:** 4 deg. 19 min. S.  
**longitude:** 29 deg. 40 min. E. **elevation:** 960m.  
Primitive Cultivar. Seed.

PI 527568. *Cucumis metuliferus* E. Mey. ex Naud. CUCURBITACEAE

**Donated by:** Toll, J., IBPGR, Rome, Italy; and Nahimana, M., IRAZ, Gitega, Burundi; and Nikoyagize, H., ISAUB, Bujumbura, Burundi.  
**remarks:** Received through IBPGR, Rome, Italy. Collectors J. Toll, IBPGR; M. Nahimana, IRAZ; N. Nlandu, IRAZ; and H. Nikoyagize, ISAUB. Received February 07, 1987.

**donor id:** IZ 49. **origin:** Burundi. **pedigree:** Muyange, Nyanza Lac Commune, Makamba. **collected:** May 27, 1985.  
**collector id:** IZ 49. **locality:** Kibimba Colline, Giharo Commune, Rutana. **latitude:** 3 deg. 49 min. S. **longitude:** 30 deg. 15 min. E. **elevation:** 1210m. Primitive Cultivar. Seed.

PI 527569. *Phaseolus lunatus* L. FABACEAE Lima bean

**Donated by:** Toll, J., IBPGR, Rome, Italy; and Nahimana, M., IRAZ, Gitega, Burundi; and Nikoyagize, H., ISAUB, Bujumbura, Burundi.  
**remarks:** Received through IBPGR, Rome, Italy. Collectors J. Toll, IBPGR; M. Nahimana, IRAZ; N. Nlandu, IRAZ; and H. Nikoyagize, ISAUB. Received February 07, 1987.

**donor id:** IZ 46. **origin:** Burundi. **pedigree:** Muyange, Nyanza Lac Commune, Makamba. **collected:** May 27, 1985.  
**collector id:** IZ 46. **locality:** Route Provinciale 85, Colline Buyaga, Giharo Commune,, Rutana. **latitude:** 3 deg. 57 min. S. **longitude:** 30 deg. 10 min. E.  
**elevation:** 1190m. Primitive Cultivar. Seed.

PI 527570 to 527571. *Amaranthus* sp. AMARANTHACEAE

**Donated by:** Toll, J., IBPGR, Rome, Italy; and Gatsinzi, F., IRAZ, Paris, France; and Musabyimana, T., ISAR, Station de Rubona, Butare, Rwanda. **remarks:** Received through IBPGR, Rome, Italy. Received March 23, 1988.

PI 527570 to 527571-continued

PI 527570 donor id: IZ 166. origin: Rwanda. collected: June 21, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 166. locality: Nzoga Colline Commune, 1 km S of Muyira, Muyira Secteur, Butare Province. latitude: 2 deg. 21 min. S. longitude: 29 deg. 52 min. E. elevation: 1470m. Primitive Cultivar. Seed.

PI 527571 donor id: IZ 220. origin: Rwanda. collected: June 29, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 220. locality: Gashanga Cellule Commune, 3km E of Bifurcation Routea Busozi of Route Rusumo-Tanrante, Nyamugali Secteru, Kibungo Province. latitude: 1 deg. 17 min. S. longitude: 30 deg. 46 min. E. elevation: 1300m. Cultivated. Seed.

PI 527572 to 527575. *Phaseolus vulgaris* L. FABACEAE Garden bean

Donated by: Toll, J., IBPGR, Rome, Italy; and Gatsinzi, F., IRAZ, Paris, France; and Musabyimana, T., ISAR, Station de Rubona, Butare, Rwanda. remarks: Received through IBPGR, Rome, Italy. Received March 23, 1988.

PI 527572 donor id: IZ 131. origin: Rwanda. collected: June 13, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 131. locality: Rabagugu Colline, 28km NW of Ruhuha, Shyara Secteur, Kigali Province. latitude: 2 deg. 11 min. S. longitude: 30 deg. 00 min. E. elevation: 1410m. remarks: Seeds purple. Primitive Cultivar. Seed.

PI 527573 donor id: IZ 136. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 136. locality: Cyugaro Colline, 9.4km NW of Kanzenze, Ntarama Secteur, Kigali Province. latitude: 2 deg. 8 min. S. longitude: 30 deg. 3 min. E. elevation: 1420m. Primitive Cultivar. Seed.

PI 527574 donor id: IZ 138. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 138. locality: Cyugaro Colline, 11.5km NW of Kanzenze, Ntarama Secteur, Kigali Province. latitude: 2 deg. 8 min. S. longitude: 30 deg. 2 min. E. elevation: 1400m. Primitive Cultivar. Seed.

PI 527575 donor id: IZ 174. origin: Rwanda. collected: June 22, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 174. locality: Nyagisozi Colline, 3.6km NE of Mugina Commune Bureau, Nteko, Secteur, Gitarama Province. latitude: 2 deg. 05 min. S. longitude: 20 deg. 59 min. E. elevation: 1500m. remarks: Seeds white. Primitive Cultivar. Seed.

PI 527576 to 527579. *Vigna unguiculata* (L.) Walp. FABACEAE Cowpea

**Donated by:** Toll, J., IBPGR, Rome, Italy; and Gatsinzi, F., IRAZ, Paris, France; and Musabyimana, T., ISAR, Station de Rubona, Butare, Rwanda. **remarks:** Received through IBPGR, Rome, Italy. Received March 23, 1988.

PI 527576 **donor id:** IZ 125. **origin:** Rwanda. **collected:** June 13, 1985. **collector:** J. Toll, F. Gatsinzi, T. Musabyimana. **collector id:** IZ 125. **locality:** Ruzinge Colline, 12km NE of Munazi, Gakamba Secteur, Kigali Province. **latitude:** 2 deg. 15 min. S. **longitude:** 30 deg. 8 min. E. **elevation:** 1410m. Primitive Cultivar. Seed.

PI 527577 **donor id:** IZ 143. **origin:** Rwanda. **collected:** June 14, 1985. **collector:** J. Toll, F. Gatsinzi, T. Musabyimana. **collector id:** IZ 143. **locality:** Gitagata Colline, 9.2km SW of Kanzenze, Nyagihunika Secteur, Kigali Province. **latitude:** 2 deg. 13 min. S. **longitude:** 30 deg. 2 min. E. **elevation:** 1460m. Primitive Cultivar. Seed.

PI 527578 **donor id:** IZ 155. **origin:** Rwanda. **collected:** June 15, 1985. **collector:** J. Toll, F. Gatsinzi, T. Musabyimana. **collector id:** IZ 155. **locality:** Gikoma Colline, 6km S of Isar Station Karama, Nkanga Secteur, Kigali Province. **latitude:** 2 deg. 18 min. S. **longitude:** 30 deg. 16 min. E. **elevation:** 1400m. Primitive Cultivar. Seed.

PI 527579 **donor id:** IZ 161. **origin:** Rwanda. **collected:** June 20, 1985. **collector:** J. Toll, F. Gatsinzi, T. Musabyimana. **collector id:** IZ 161. **locality:** Gihinga Colline, 12km NE of Shyanda, Musha Secteur, Butare Province. **latitude:** 2 deg. 30 min. S. **longitude:** 29 deg. 53 min. E. **elevation:** 1480m. Primitive Cultivar. Seed.

PI 527580 to 527628. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

**Donated by:** Toll, J., IBPGR, Rome, Italy; and Gatsinzi, F., IRAZ, Paris, France; and Musabyimana, T., ISAR, Station de Rubona, Butare, Rwanda. **remarks:** Received through IBPGR, Rome, Italy. Received March 23, 1988.

PI 527580 **donor id:** IZ 119. **origin:** Rwanda. **collected:** June 13, 1985. **collector:** J. Toll, F. Gatsinzi, T. Musabyimana. **collector id:** IZ 119. **locality:** Kagenge Colline, 16km SE of Pogte Douanier Gasutamo, Burenge Secteur, Kigali Province. **latitude:** 2 deg. 25 min. S. **longitude:** 30 deg. 9 min. E. **elevation:** 1410m. **restricted:** QUAR. Primitive Cultivar. Seed.

- PI 527581 donor id: IZ 120. origin: Rwanda. collected: June 13, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 120. locality: Kagenge Colline, 16km SE of Poste Douanier Gasutamo, Burenge Secteur, Kigali Province. latitude: 2 deg. 25 min. S. longitude: 30 deg. 9 min. E. elevation: 1410m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527582 donor id: IZ 121. origin: Rwanda. collected: June 13, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 121. locality: Kagenge Colline, 16km SE of Poste Douanier Gasutamo, Burenge Secteur, Kigali Province. latitude: 2 deg. 25 min. S. longitude: 30 deg. 9 min. E. elevation: 1410m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527583 donor id: IZ 122. origin: Rwanda. collected: June 13, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 122. locality: Kagenge Colline, 16km SW of Poste Douanier Gasutamo, Burenge Secteur, Kigali Province. latitude: 2 deg. 25 min. S. longitude: 30 deg. 9 min. E. elevation: 1410m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527584 donor id: IZ 124. origin: Rwanda. collected: June 13, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 124. locality: Kibungo Colline, 3km NE of Munazi route Nganda, Kavumu Secteur, Kigali Province. latitude: 2 deg. 18 min. S. longitude: 30 deg. 8 min. E. elevation: 1500m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527585 donor id: IZ 126. origin: Rwanda. collected: June 13, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 126. locality: Kabagugu Colline, 28km NW of Ruhuha, Shyara Secteur, Kigali Province. latitude: 2 deg. 14 min. S. longitude: 30 deg. E. elevation: 1410m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527586 donor id: IZ 128. origin: Rwanda. collected: June 13, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 128. locality: Kabagugu Colline, 28km NW of Ruhuha, Shyara Secteur, Kigali Province. latitude: 2 deg. 14 min. S. longitude: 30 deg. E. elevation: 1410m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527587 donor id: IZ 129. origin: Rwanda. collected: June 13, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 129. locality: Kabagugu Colline, 28km NW of Ruhuha, Shyara Secteur, Kigali Province. latitude: 2 deg. 14 min. S. longitude: 30 deg. E. elevation: 1410m. restricted: QUAR. Primitive Cultivar. Seed.

PI 527580 to 527628-continued

- PI 527588 donor id: IZ 130. origin: Rwanda. collected: June 13, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 130. locality: Kabagugu Colline, 28km NW of Ruhuha, Shyara Secteur, Kigali Province. latitude: 2 deg. 14 min. S. longitude: 30 deg. E. elevation: 1410m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527589 donor id: IZ 132. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 132. locality: Cyugaro Colline, 9.4km NW of Kanzenze, Ntarama Secteur, Kigali Province. latitude: 2 deg. 8 min. S. longitude: 30 deg. 3 min. E. elevation: 1420m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527590 donor id: IZ 133. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 133. locality: Cyugaro Colline, 9.4km NE of Kanzenze, Ntarama Secteur, Kigali Province. latitude: 2 deg. 8 min. S. longitude: 30 deg. 3 min. E. elevation: 1420m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527591 donor id: IZ 134. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 134. locality: Cyugaro Colline, 9.4km NW of Kanzenze, Ntarama Secteur, Kigali Province. latitude: 2 deg. 8 min. S. longitude: 30 deg. 3 min. E. elevation: 1420m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527592 donor id: IZ 135. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 135. locality: Cyugaro Colline, 9.4km NW of Kanzenze, Ntarama Secteur, Kigali Province. latitude: 2 deg. 8 min. S. longitude: 30 deg. 3 min. E. elevation: 1420m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527593 donor id: IZ 139. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 139. locality: Cyugaro Colline, 11.5km NW of Kanzenze, Ntarama Secteur, Kigali Province. latitude: 2 deg. 8 min. S. longitude: 30 deg. 2 min. E. elevation: 1380m. restricted: QUAR. Primitive Cultivar. Seed.

- PI 527594 donor id: IZ 140. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 140. locality: Gitagata Colline, 9.2km SE of Kanzenze, Nyagihunika Secteur, Kigali Province. latitude: 2 deg. 13 min. S. longitude: 30 deg. 2 min. E. elevation: 1460m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527595 donor id: IZ 141. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 141. locality: Gitagata Colline, 9.2km SW of Kanzenze, Nyagihunika Secteur, Kigali Province. latitude: 2 deg. 13 min. S. longitude: 30 deg. 2 min. E. elevation: 1460m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527596 donor id: IZ 142. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 142. locality: Gitagata Colline, 9.2km SW of Kanzenze, Nyagihunika Secteur, Kigali Province. latitude: 2 deg. 13 min. S. longitude: 30 deg. 2 min. E. elevation: 1460m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527597 donor id: IZ 145. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 145. locality: Kibenga Colline, 12.4km S of Kanzenze, Mayange Secteur, Kigali Province. latitude: 2 deg. 12 min. S. longitude: 30 deg. 5 min. E. elevation: 1420m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527598 donor id: IZ 146. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 146. locality: Kibenga Colline, 12.4km S of Kanzenze, Mayange Secteur, Kigali Province. latitude: 2 deg. 12 min. S. longitude: 30 deg. 5 min. E. elevation: 1420m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527599 donor id: IZ 148. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 148. locality: Gatoki Colline, 13.7km NE of Kanzenze, Mwogo Secteur, Kigali Province. latitude: 2 deg. 5 min. S. longitude: 30 deg. 9 min. E. elevation: 1440m. restricted: QUAR. Primitive Cultivar. Seed.



PI 527580 to 527628-continued

- PI 527600 donor id: IZ 150. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 150. locality: Gaseke Colline, 1.8km S of Rilima, Lilima Secteur, Kigali Province. latitude: 2 deg. 10 min. S. longitude: 30 deg. 14 min. E. elevation: 1370m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527601 donor id: IZ 151. origin: Rwanda. collected: June 14, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 151. locality: Gaseke Colline, 1.8km S of Rilima, Lilima Secteur, Kigali Province. latitude: 2 deg. 10 min. S. longitude: 30 deg. 14 min. E. elevation: 1370m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527602 donor id: IZ 152. origin: Rwanda. collected: June 15, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 152. locality: Gikoma Colline, 6km S of Isar Station Karama, Nkanga Secteur, Kigali Province. latitude: 2 deg. 18 min. S. longitude: 30 deg. 16 min. E. elevation: 1400m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527603 donor id: IZ 153. origin: Rwanda. collected: June 15, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 153. locality: Gikoma Colline, 6km S of Isar Station Karama, Nkanga Secteur, Kigali Province. latitude: 2 deg. 18 min. S. longitude: 30 deg. 16 min. E. elevation: 1400m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527604 donor id: IZ 157. origin: Rwanda. collected: June 20, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 157. locality: Bukinanyana Colline, 9km NE of Shyanda, Musha Secteur, Butare Province. latitude: 2 deg. 30 min. S. longitude: 29 deg. 52 min. E. elevation: 1550m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527605 donor id: IZ 159. origin: Rwanda. collected: June 20, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 159. locality: Gihinga Colline, 12km NE of Shyanda, Musha Secteur, Butare Province. latitude: 2 deg. 30 min. S. longitude: 29 deg. 53 min. E. elevation: 1480m. restricted: QUAR. Primitive Cultivar. Seed.

PI 527580 to 527628-continued

- PI 527606 donor id: IZ 162. origin: Rwanda. collected: June 21, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 162. locality: Nzoga Colline, 1 km S of Muyira, Muyira Secteur, Butare Province. latitude: 2 deg. 21 min. S. longitude: 29 deg. 52 min. E. elevation: 1470m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527607 donor id: IZ 163. origin: Rwanda. collected: June 21, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 163. locality: Nzoga Colline, 1 km S of Muyira, Muyira Secteur, Butare Province. latitude: 2 deg. 21 min. S. longitude: 29 deg. 52 min. E. elevation: 1470m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527608 donor id: IZ 165. origin: Rwanda. collected: June 21, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 165. locality: Nzoga Colline, 1 km S of Muyira, Muyira Secteur, Butare Province. latitude: 2 deg. 21 min. S. longitude: 29 deg. 52 min. E. elevation: 1470m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527609 donor id: IZ 167. origin: Rwanda. collected: June 21, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 167. locality: Nzoga Colline, 1 km S of Muyira, Muyira Secteur, Butare Province. latitude: 2 deg. 21 min. S. longitude: 29 deg. 52 min. E. elevation: 1470m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527610 donor id: IZ 168. origin: Rwanda. collected: June 21, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 168. locality: Nzoga Colline, 1 km S of Muyira, Muyira Secteur, Butare Province. latitude: 2 deg. 21 min. S. longitude: 29 deg. 52 min. E. elevation: 1470m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527611 donor id: IZ 169. origin: Rwanda. collected: June 21, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 169. locality: Gako Colline, Commune Ntongwe, 19km N of Muyira, Shyira Secteur, Gitarama Province. latitude: 2 deg. 14 min. S. longitude: 29 deg. 52 min. E. elevation: 1510m. restricted: QUAR. Primitive Cultivar. Seed.

- PI 527612 donor id: IZ 170. origin: Rwanda. collected: June 21, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 170. locality: Gako Colline, Commune Ntongwe, 19km N of Muyira, Shyira Secteur, Gitarama Province. latitude: 2 deg. 14 min. S. longitude: 29 deg. 52 min. E. elevation: 1510m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527613 donor id: IZ 171. origin: Rwanda. collected: June 22, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 171. locality: Nyagisozi Colline, Commune Mugina, 3.6km NE of Mugina Commune Bureau, Nteko Secteur, Gitarama Province. latitude: 2 deg. 05 min. S. longitude: 29 deg. 59 min. E. elevation: 1500m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527614 donor id: IZ 178. origin: Rwanda. collected: June 25, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 178. locality: Rugarama Colline, Commune Muvumba, 12.6km W of Nyagatare, Shonga Secteur, Byumba Province. latitude: 1 deg. 19 min. S. longitude: 30 deg. 12 min. E. elevation: 1420m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527615 donor id: IZ 185. origin: Rwanda. collected: June 25, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 185. locality: Kiyumbu Colline, Commune Muvumba, 16.2km W of Nyagatare Ovaram Station, Tabagwe, Byumba Province. latitude: 1 deg. 19 min. S. longitude: 30 deg. 11 min. E. elevation: 1490m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527616 donor id: IZ 188. origin: Rwanda. collected: June 25, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 188. locality: Nyamirama Colline, Commune Muvumba, 24km SW of Nyagatare Ovapam Station, Shonga Secteur, Byumba Province. latitude: 1 deg. 20 min. S. longitude: 30 deg. 10 min. E. elevation: 1520m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527617 donor id: IZ 190. origin: Rwanda. collected: June 25, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 190. locality: Nyangara Colline, Commune Muvumba, 37.6km SW of Nyagatare Ovapam Station, Gatunda Secteur, Byumba Province. latitude: 1 deg. 22 min. S. longitude: 30 deg. 10 min. E. elevation: 1590m. restricted: QUAR. Primitive Cultivar. Seed.

PI 527580 to 527628-continued

- PI 527618 donor id: IZ 193. origin: Rwanda. collected: June 26, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 193. locality: Rwimbogo Colline, Commune Ngarama, 0.7km S of Gatsibo, Gatsibo Secteur, Byumba Province. latitude: 1 deg. 26 min. S. longitude: 30 deg. 13 min. E. elevation: 1750m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527619 donor id: IZ 194. origin: Rwanda. collected: June 26, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 194. locality: Rwimbogo Colline, Commune Ngarama, 0.7km S of Gatsibo, Gatsibo Secteur, Byumba Province. latitude: 1 deg. 26 min. S. longitude: 30 deg. 13 min. E. elevation: 1750m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527620 donor id: IZ 195. origin: Rwanda. collected: June 26, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 195. locality: Rwimbogo Colline, Commune Ngarama, 0.7km S of Gatsibo, Gatsibo Secteur, Byumba Province. latitude: 1 deg. 26 min. S. longitude: 30 deg. 13 min. E. elevation: 1750m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527621 donor id: IZ 196. origin: Rwanda. collected: June 26, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 196. locality: Taba Colline, Commune Muhura, 3.8km NW of Muhura, Rumuki Secteur, Byumba Province. latitude: 1 deg. 43 min. S. longitude: 30 deg. 16 min. E. elevation: 1800m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527622 donor id: IZ 198. origin: Rwanda. collected: June 27, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 198. locality: Nyansenge Colline, 12km S of Rutare, Rurembo Secteur, Byumba Province. latitude: 1 deg. 46 min. S. longitude: 30 deg. 09 min. E. elevation: 1500m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527623 donor id: IZ 205. origin: Rwanda. collected: June 28, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 205. locality: Rugarama Cellule, Commune Bicumbi, 3.8km E of Kanombe, Muyumbu Secteur, Kigali Province. latitude: 1 deg. 58 min. S. longitude: 30 deg. 13 min. E. elevation: 1360m. restricted: QUAR. Primitive Cultivar. Seed.

PI 527580 to 527628-continued

- PI 527624 donor id: IZ 208. origin: Rwanda. collected: June 28, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 208. locality: Nyarukombe Cellule, Commune Bicumbi, 5.9km E of Kanombe, Muyumbu Secteur, Kigali Province. latitude: 1 deg. 58 min. S. longitude: 30 deg. 16 min. E. elevation: 1360m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527625 donor id: IZ 218. origin: Rwanda. collected: June 29, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 218. locality: Gashanga Cellule, Commune Rusumo, 3km E of Bifurcation route a Rusozi de route Rusomo towards Tuzanie, Nyamugali Secteur, Kibungo Province. latitude: 1 deg. 17 min. S. longitude: 30 deg. 46 min. E. elevation: 1300m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527626 donor id: IZ 219. origin: Rwanda. collected: June 29, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 219. locality: Gashanga Cellule, Commune Rusumo, 3km E of Bifurcation route a Rusozi de route Rusomo towards Tuzanie, Nyamugali Secteur, Kibungo Province. latitude: 1 deg. 17 min. S. longitude: 30 deg. 46 min. E. elevation: 1300m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527627 donor id: IZ 221. origin: Rwanda. collected: June 29, 1985. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 221. locality: Kiyanze Cellule, Commune Rusumo, 3km NW of Chutes de Rusumo - Akagera, Kigarama, Kibungo Province. latitude: 2 deg. 21 min. S. longitude: 30 deg. 45 min. E. elevation: 1500m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527628 donor id: IZ 223. origin: Rwanda. collector: J. Toll, F. Gatsinzi, T. Musabyimana. collector id: IZ 223. restricted: QUAR. Seed.

PI 527629 to 527630. *Phaseolus coccineus* L. FABACEAE Scarlet runner bean

Donated by: Toll, J., IBPGR, Rome, Italy; and Nlanda, N., IRAZ, Paris, France; and Aliya, INERA, Yaungambi, Zaire. remarks: Received through IBPGR, Rome, Italy. Received February 07, 1987.

- PI 527629 donor id: IZ 291. origin: Zaire. collected: July 18, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 291. locality: Kambowu, 65km NW of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. latitude: 00 deg. 25 min. S. longitude: 29 deg. 05 min. E. elevation: 2030m. Primitive Cultivar. Seed.

PI 527629 to 527630-continued

PI 527630 **donor id:** IZ 295. **origin:** Zaire. **collected:** July 18, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 295. **locality:** Kambowu, 65km NW of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. **latitude:** 00 deg. 25 min. S. **longitude:** 29 deg. 05 min. E. **elevation:** 2030m. Primitive Cultivar. Seed.

PI 527631 to 527674. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Toll, J., IBPGR, Rome, Italy; and Nlanda, N., IRAZ, Paris, France; and Aliya, INERA, Yaungambi, Zaire. **remarks:** Received through IBPGR, Rome, Italy. Received February 07, 1987.

PI 527631 **donor id:** IZ 222. **origin:** Zaire. **collected:** July 12, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 222. **locality:** Locale of Kibati, 15km NE of Goma, Bukumuz/Zone Goma, Kivu/Nord-Kivu. **latitude:** 01 deg. 32 min. S. **longitude:** 29 deg. 16 min. E. **elevation:** 2000m. Primitive Cultivar. Seed.

PI 527632 **donor id:** IZ 224. **origin:** Zaire. **collected:** July 13, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 224. **locality:** Matanda, 41.7km NW of Goma, Bahunde/Masisi Zone, Kivu/Nord-Kivu. **latitude:** 01 deg. 32 min. S. **longitude:** 28 deg. 58 min. E. **elevation:** 1970m. Primitive Cultivar. Seed.

PI 527633 **donor id:** IZ 226. **origin:** Zaire. **local name:** Mahalagi. **collected:** July 13, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 226. **locality:** Matanda, 43km NW of Goma, Bahunde/Masisi Zone, Kivu/Nord-Kivu. **latitude:** 01 deg. 32 min. S. **longitude:** 28 deg. 57 min. E. **elevation:** 1950m. Primitive Cultivar. Seed.

PI 527634 **donor id:** IZ 228. **origin:** Zaire. **collected:** July 13, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 228. **locality:** Kisuma, 63km NW of Goma, Bahunde/Masisi Zone, Kivu/Nord-Kivu. **latitude:** 01 deg. 32 min. S. **longitude:** 28 deg. 52 min. E. **elevation:** 1800m. Primitive Cultivar. Seed.

PI 527635 **donor id:** IZ 230. **origin:** Zaire. **collected:** July 13, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 230. **locality:** Masisi, Osso/Masisi Zone, Kivu/Nord-Kivu. **latitude:** 01 deg. 25 min. S. **longitude:** 28 deg. 53 min. E. **elevation:** 1660m. Primitive Cultivar. Seed.

PI 527631 to 527674-continued

- PI 527636 **donor id:** IZ 232. **origin:** Zaire. **local name:** Malahagi. **collected:** July 13, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 232. **locality:** Bigiri/Lushebere, 6km SE of Masis, Osso, Masisi Zone, Kivu/Nord-Kivu. **latitude:** 01 deg. 24 min. S. **longitude:** 28 deg. 52 min. E. **elevation:** 1850m. Primitive Cultivar. Seed.
- PI 527637 **donor id:** IZ 234. **origin:** Zaire. **collected:** July 13, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 234. **locality:** Bigiri/Katale, 12km SE of Masisi, Osso/ Masisi Zone, Kivu/Nord-Kivu. **latitude:** 01 deg. 28 min. S. **longitude:** 28 deg. 54 min. E. **elevation:** 2100m. Primitive Cultivar. Seed.
- PI 527638 **donor id:** IZ 237. **origin:** Zaire. **collected:** July 13, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 237. **locality:** Bigiri/Buhili, 18.6km SE of Masisi, Osso/ Masisi Zone, Kivu/Nord-Kivu. **latitude:** 01 deg. 27 min. S. **longitude:** 28 deg. 53 min. E. **elevation:** 2050m. Primitive Cultivar. Seed.
- PI 527639 **donor id:** IZ 238. **origin:** Zaire. **collected:** July 14, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 238. **locality:** Kishali/Muheto, 23km E of Masisi, Bashali/Masisi Zone, Kivu/Nord-Kivu. **latitude:** 01 deg. 22 min. S. **longitude:** 28 deg. 57 min. E. **elevation:** 1570m. Primitive Cultivar. Seed.
- PI 527640 **donor id:** IZ 240. **origin:** Zaire. **collected:** July 14, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 240. **locality:** 38km S of Mihanga, Basbali/Masisi Zone, Kivu/Nord-Kivu. **latitude:** 01 deg. 24 min. S. **longitude:** 29 deg. 01 min. E. **elevation:** 1950m. Primitive Cultivar. Seed.
- PI 527641 **donor id:** IZ 244. **origin:** Zaire. **collected:** July 15, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 244. **locality:** Kisigari, 41km NE of Goma, Bwisha/Rutshuru Zone, Kivu/Nord-Kivu. **latitude:** 01 deg. 23 min. S. **longitude:** 29 deg. 16 min. E. **elevation:** 1570m. Primitive Cultivar. Seed.
- PI 527642 **donor id:** IZ 248. **origin:** Zaire. **collected:** July 15, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 248. **locality:** Kisigari/Rukoro-Nyahanga, 65km NE of Goma, Bwisha/Rutshuru Zone, Kivu/Nord-Kivu. **latitude:** 01 deg. 14 min. S. **longitude:** 29 deg. 26 min. E. **elevation:** 1220m. Primitive Cultivar. Seed.

PI 527631 to 527674-continued

- PI 527643 donor id: IZ 251. origin: Zaire. collected: July 16, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 251. locality: Bukoma/Katoro, 9km N of Rutshuru, Bivisha/Rutshuru Zone, Kivu/Nord-Kivu. latitude: 01 deg. 11 min. S. longitude: 29 deg. 26 min. E. elevation: 1100m. Primitive Cultivar. Seed.
- PI 527644 donor id: IZ 252. origin: Zaire. collected: July 16, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 252. locality: Bukoma/Katoro, 9km N of Rutshuru, Bwisha/Rutshuru Zone, Kivu/Nord-Kivu. latitude: 01 deg. 11 min. S. longitude: 29 deg. 26 min. E. elevation: 1100m. Primitive Cultivar. Seed.
- PI 527645 donor id: IZ 260. origin: Zaire. collected: July 16, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 260. locality: Binza, 62km NE of Rutshuru, Bwisha/Rutshuru Zone, Kivu/Nord-Kivu. latitude: 00 deg. 45 min. S. longitude: 29 deg. 37 min. E. elevation: 1090m. Primitive Cultivar. Seed.
- PI 527646 donor id: IZ 261. origin: Zaire. collected: July 16, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 261. locality: Binza, 62km NE of Rutshuru, Bwisha/Rutshuru Zone, Kivu/Nord-Kivu. latitude: 00 deg. 45 min. S. longitude: 29 deg. 37 min. E. elevation: 1020m. Primitive Cultivar. Seed.
- PI 527647 donor id: IZ 262. origin: Zaire. collected: July 16, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 262. locality: Binza, 62km NE of Rutshuru, Bwisha/Rutshuru Zone, Kivu/Nord-Kivu. latitude: 00 deg. 45 min. S. longitude: 29 deg. 37 min. E. elevation: 1090m. Primitive Cultivar. Seed.
- PI 527648 donor id: IZ 266. origin: Zaire. collected: July 16, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 266. locality: Binza/Mushumba II, 34km NE of Rutshuru, Bwisha/Rutshuru, Kivu/Nord-Kivu. latitude: 01 deg. 00 min. S. longitude: 29 deg. 30 min. E. elevation: 1170m. Primitive Cultivar. Seed.
- PI 527649 donor id: IZ 267. origin: Zaire. collected: July 16, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 267. locality: Binza/Mushumba II, 34km NE of Butshuru, Bwisha/Rutshuru, Kivu/Nord-Kivu. latitude: 01 deg. 00 min. S. longitude: 29 deg. 30 min. E. elevation: 1170m. Primitive Cultivar. Seed.



PI 527631 to 527674-continued

- PI 527650 **donor id:** IZ 270. **origin:** Zaire. **collected:** July 16, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 270. **locality:** Djomba/Kabinsi, 13.5km NE of Rutshuru, Bwisha/Rutushuru, Kivu/Nord-Kivu. **latitude:** 01 deg. 15 min. S. **longitude:** 29 deg. 30 min. E. **elevation:** 1560m. Primitive Cultivar. Seed.
- PI 527651 **donor id:** IZ 273. **origin:** Zaire. **collected:** July 16, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 273. **locality:** Djomba/Rugamba, 17km SE of Rutshuru, Bwisha. **latitude:** 01 deg. 18 min. S. **longitude:** 29 deg. 33 min. E. **elevation:** 1650m. Primitive Cultivar. Seed.
- PI 527652 **donor id:** IZ 274. **origin:** Zaire. **collected:** July 17, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 274. **locality:** Buloto, 6km S of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. **latitude:** 00 deg. 40 min. S. **longitude:** 29 deg. 09 min. E. **elevation:** 1880m. Primitive Cultivar. Seed.
- PI 527653 **donor id:** IZ 275. **origin:** Zaire. **collected:** July 17, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 275. **locality:** Buloto, 6km S of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. **latitude:** 00 deg. 40 min. S. **longitude:** 29 deg. 09 min. E. **elevation:** 1880m. Primitive Cultivar. Seed.
- PI 527654 **donor id:** IZ 276. **origin:** Zaire. **collected:** July 17, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 276. **locality:** Buloto, 6km S of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. **latitude:** 00 deg. 40 min. S. **longitude:** 29 deg. 09 min. E. **elevation:** 1880m. Primitive Cultivar. Seed.
- PI 527655 **donor id:** IZ 277. **origin:** Zaire. **collected:** July 17, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 277. **locality:** Buloto, 6km S of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. **latitude:** 00 deg. 40 min. S. **longitude:** 29 deg. 09 min. E. **elevation:** 1880m. Primitive Cultivar. Seed.
- PI 527656 **donor id:** IZ 280. **origin:** Zaire. **collected:** July 17, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 280. **locality:** Bunama, 17km SW of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. **latitude:** 00 deg. 41 min. S. **longitude:** 29 deg. 05 min. E. **elevation:** 1600m. Primitive Cultivar. Seed.

PI 527631 to 527674-continued

- PI 527657 donor id: IZ 284. origin: Zaire. collected: July 18, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 284. locality: Musindi/Kirumba, 8km N of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. latitude: 00 deg. 32 min. S. longitude: 29 deg. 09 min. E. elevation: 1730m. Primitive Cultivar. Seed.
- PI 527658 donor id: IZ 285. origin: Zaire. collected: July 18, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 285. locality: Musindi/Kirumba, 8km N of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. latitude: 00 deg. 32 min. S. longitude: 29 deg. 09 min. E. elevation: 1730m. Primitive Cultivar. Seed.
- PI 527659 donor id: IZ 287. origin: Zaire. collected: July 18, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 287. locality: Musindi/Kirumba, 8km N of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. latitude: 00 deg. 32 min. S. longitude: 29 deg. 09 min. E. elevation: 1730m. Primitive Cultivar. Seed.
- PI 527660 donor id: IZ 288. origin: Zaire. collected: July 18, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 288. locality: Kakoya, 18km N of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. latitude: 00 deg. 30 min. S. longitude: 29 deg. 10 min. E. elevation: 2000m. Primitive Cultivar. Seed.
- PI 527661 donor id: IZ 289. origin: Zaire. collected: July 18, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 289. locality: Kanyamawa, 59km NW of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. latitude: 00 deg. 24 min. S. longitude: 29 deg. 06 min. E. elevation: 2110m. Primitive Cultivar. Seed.
- PI 527662 donor id: IZ 292. origin: Zaire. collected: July 18, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 292. locality: Kambowu, 65km NW of Kayna, Batangi, Kivu/Nord-Kivu. latitude: 00 deg. 25 min. S. longitude: 29 deg. 05 min. E. elevation: 2030m. Primitive Cultivar. Seed.
- PI 527663 donor id: IZ 296. origin: Zaire. collected: July 18, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 296. locality: Mutandu/Kalungu, 23km S of Lubero, Batangi/Lubero, Kivu/Nord-Kivu. latitude: 00 deg. 13 min. S. longitude: 29 deg. 09 min. E. elevation: 2150m. restricted: QUAR. Primitive Cultivar. Seed.

PI 527631 to 527674-continued

- PI 527664 **donor id:** IZ 297. **origin:** Zaire. **collected:** July 18, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 297. **locality:** Mutundu/Kalungu, 23km S of Lubero, Batangi/Lubero, Kivu/Nord-Kivu. **latitude:** 00 deg. 13 min. S. **longitude:** 29 deg. 09 min. E. **elevation:** 2150m. Primitive Cultivar. Seed.
- PI 527665 **donor id:** IZ 299. **origin:** Zaire. **collected:** July 19, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 299. **locality:** Luwongo/Kigali, 12km NE of Lubero, Baswaga/Lubero, Kivu/Nord-Kivu. **latitude:** 00 deg. 06 min. S. **longitude:** 29 deg. 16 min. E. **elevation:** 2120m. Primitive Cultivar. Seed.
- PI 527666 **donor id:** IZ 302. **origin:** Zaire. **collected:** July 19, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 302. **locality:** Lubero, 78km NE of Baswaga/Luvenea, Baswaga, Kivu/Nord-Kivu. **latitude:** 00 deg. 08 min. S. **longitude:** 29 deg. 16 min. E. **elevation:** 2300m. Primitive Cultivar. Seed.
- PI 527667 **donor id:** IZ 304. **origin:** Zaire. **collected:** July 19, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 304. **locality:** Baswaga/Luvenea, 78km NE of Lubero, Baswaga, Kivu/Nord-Kivu. **latitude:** 00 deg. 07 min. S. **longitude:** 29 deg. 23 min. E. **elevation:** 2480m. Primitive Cultivar. Seed.
- PI 527668 **donor id:** IZ 305. **origin:** Zaire. **collected:** July 19, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 305. **locality:** Mageri, 41.8km NW of Lubero, Baswaga/Lubero, Kivu/Nord-Kivu. **latitude:** 00 deg. 03 min. S. **longitude:** 29 deg. 24 min. E. **elevation:** 2200m. Primitive Cultivar. Seed.
- PI 527669 **donor id:** IZ 306. **origin:** Zaire. **collected:** July 19, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 306. **locality:** Mageri, 41.8km NW of Lubero, Baswaga/Lubero, Kivu/Nord-Kivu. **latitude:** 00 deg. 03 min. S. **longitude:** 29 deg. 24 min. E. **elevation:** 2200m. Primitive Cultivar. Seed.
- PI 527670 **donor id:** IZ 307. **origin:** Zaire. **collected:** July 19, 1985. **collector:** J. Toll, N. Nlandu, Aliya. **collector id:** IZ 307. **locality:** Buyoka/Ngumwe, 51km NW of Lubero, Baswaga/Luberd, Kivu/Nord-Kivu. **latitude:** 00 deg. 01 min. S. **longitude:** 29 deg. 24 min. E. **elevation:** 2200m. Primitive Cultivar. Seed.

PI 527631 to 527674-continued

- PI 527671 donor id: IZ 308. origin: Zaire. collected: July 19, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 308. locality: Buyoka/Ngumwe, 51km NW of Lubero, Baswaga, Kivu/Nord-Kivu. latitude: 00 deg. 01 min. S. longitude: 29 deg. 24 min. E. elevation: 2200m. Primitive Cultivar. Seed.
- PI 527672 donor id: IZ 309. origin: Zaire. collected: July 19, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 309. locality: Butembo, Butembo/Luberd, Kivu/Nord-Kivu. latitude: 00 deg. 22 min. S. longitude: 29 deg. 18 min. E. elevation: 1800m. Primitive Cultivar. Seed.
- PI 527673 donor id: IZ 311. origin: Zaire. collected: July 20, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 311. locality: Mutwanga/Kalungita, 28km N of Butembo, Wanzuri (Batangituha) Beni, Kivu/Nord-Kivu. latitude: 00 deg. 21 min. S. longitude: 29 deg. 29 min. E. elevation: 1370m. Primitive Cultivar. Seed.
- PI 527674 donor id: IZ 315. origin: Zaire. collected: July 20, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 315. locality: Mbawu/Malengai, 41km N of Butembo, Batangatuha/Beni, Kivu/Nord-Kivu. latitude: 00 deg. 26 min. S. longitude: 29 deg. 23 min. E. elevation: 1350m. Primitive Cultivar. Seed.

PI 527675. *Vigna unguiculata* (L.) Walp. FABACEAE

Donated by: Toll, J., IBPGR, Rome, Italy; and Nlanda, N., IRAZ, Paris, France; and Aliya, INERA, Yaungambi, Zaire. remarks: Received through IBPGR, Rome, Italy. Received February 07, 1987.

donor id: IZ 316. origin: Zaire. collected: July 20, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 316. locality: Mbawu/Malengai, 41km N of Butembo, Batangatuha/Beni, Kivu/Nord-Kivu. latitude: 00 deg. 26 min. S. longitude: 29 deg. 23 min. E. elevation: 1350m. Primitive Cultivar. Seed.

PI 527676 to 527681. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Toll, J., IBPGR, Rome, Italy; and Nlanda, N., IRAZ, Paris, France; and Aliya, INERA, Yaungambi, Zaire. remarks: Received through IBPGR, Rome, Italy. Received February 07, 1987.

PI 527676 to 527681-continued

- PI 527676 donor id: IZ 236. origin: Zaire. collected: July 13, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 236. locality: Bigiri/Buhili, 18.6km Masisi, Osso/Masisis Zone, Kivu/Nord-Kivu. latitude: 01 deg. 27 min. S. longitude: 28 deg. 53 min. E. elevation: 2050m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527677 donor id: IZ 242. origin: Zaire. collected: July 14, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 242. locality: Kingi/Kibati, 45km NW of Goma, Bahunde/Masisi Zone, Kivu/Nord-Kivu. latitude: 01 deg. 28 min. S. longitude: 29 deg. 2 min. E. elevation: 2100m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527678 donor id: IZ 254. origin: Zaire. collected: July 16, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 254. locality: Bukoma/Katoro, 9km N of Rutshuru, Bwisha/Rutshuru Zone, Kivu/Nord-Kivu. latitude: 01 deg. 11 min. S. longitude: 29 deg. 26 min. E. elevation: 1100m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527679 donor id: IZ 278. origin: Zaire. collected: July 17, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 278. locality: Tama/Cohufu, 7km W of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. latitude: 00 deg. 37 min. S. longitude: 29 deg. 07 min. E. elevation: 1600m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527680 donor id: IZ 283. origin: Zaire. local name: Amasaka. collected: July 17, 1985. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 283. locality: Miriki, 28km SW of Kayna, Batangi/Lubero, Kivu/Nord-Kivu. latitude: 00 deg. 46 min. S. longitude: 29 deg. 02 min. E. elevation: 1560m. restricted: QUAR. Primitive Cultivar. Seed.
- PI 527681 donor id: IZ 313. origin: Zaire. collector: J. Toll, N. Nlandu, Aliya. collector id: IZ 313. restricted: QUAR. Primitive Cultivar. Seed.

PI 527682. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Frohberg, R.C., Crop and Weed Sciences Department, North Dakota State University, Fargo, North Dakota, United States.  
Received November 22, 1988.

PI 527682-continued

**origin:** United States. **cultivar:** AMIDON. **pedigree:** SU28-1\*2/3/Lew//Tioga\*2/RL6043. **remarks:** Plants conventional height, medium maturity. Awned. Spikes erect, mid-lax, tapering to fusiform. Shattering resistance satisfactory. Test weight satisfactory. Hard red type, typical for bakery bread flour. Best adaptation western North Dakota and eastern Montana. **disease resistance:** Prevalent leaf and stem rust races in North Dakota. Spring Annual. Cultivar. Seed.

PI 527683. *Raphanus sativus* L. BRASSICACEAE Radish

**Donated by:** Vegetable Research Institute, Chinese Academy of Agricultural Sciences, Beijing, Peoples Repub. of China. **remarks:** Received through M. Yamaguchi, Dept. of Vegetable Crops, Univ. of California-Davis. Received October 25, 1988.

**origin:** China, Peoples Repub of. **cultivar:** SING LI MEI. **remarks:** Roots large. Flesh red. Cultivar name means "Heart is Beautiful" or "Red Heart". Cultivar. Seed.

PI 527684. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Wyche, J., Box 398, Hugo, Oklahoma, United States. **remarks:** Received from D. Branscomb, Clearlake, California. Received January 14, 1988.

**origin:** Soviet Union. **collected:** July 18, 1985. **locality:** Near Caspian Sea, close to Iran border. Cultivated. Seed.

PI 527685. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Schwalm, R., 7777 Upper Olalla Road, Winston, Oregon, United States. Received January 14, 1988.

**origin:** United States. **cultivar:** CLUB HOLLY. **collected:** November 1985. **locality:** Canyonville. **remarks:** Wax pole bean type. Vine. Flowers white. Pods straight, 15.24cm. Pods stay tender. Originally from southeast U.S. Cultivar. Seed.

PI 527686. *Vigna angularis* var. *nipponensis* (Ohwi) Ohwi & H. Ohashi  
FABACEAE

**Donated by:** Miller, C.F., Chollipo Arboretum, San 185 Uihana-Ni, Sowon-Myon, T'ae-an-gun, Chungchong Namdo, Korea. Received January 14, 1988.

PI 527686-continued

**donor id:** 850802-2. **origin:** Korea. **local name:** Sae-pat (bird bean). **remarks:** Plants common in Sowon-Myon, T'alan-gun County area, somewhat of pest. **received as:** Phaseolus nipponesis. Wild. Seed.

PI 527687 to 527688. *Medicago sativa* L. FABACEAE Alfalfa

**Donated by:** Smith, S.E., Fairbanks, D.J., Department of Plant Sciences, University of Arizona, Tucson, Arizona, United States. **remarks:** Released by the Arizona Agric. Experiment Station in September 1988. Received January 12, 1989.

PI 527687 **origin:** United States. **cultivar:** AZ-88MS. **pedigree:** Series of single and population crosses to introduce cms into a nondormant nuclear background. **other id:** GP-216. **source:** Crop Sci. 29(4):1095 1989. **group:** CSR-ALFALFA. **remarks:** Plants approx. 81% male sterile and 96% self sterile in greenhouse tests, nondormant type. Perennial. Breeding Material. Seed.

PI 527688 **origin:** United States. **cultivar:** AZ-88NDC. **pedigree:** Syn 1 generation of a composite of equal amounts of certified seed of 13 elite nondormant cultivars. **other id:** GP-217. **source:** Crop Sci. 29(4):1095 1989. **group:** CSR-ALFALFA. **remarks:** Plants male-fertile maintainer, nondormant type. Perennial. Breeding Material. Seed.

PI 527689. *Medicago sativa* L. FABACEAE Alfalfa

**Donated by:** Bingham, E.T., Department of Agronomy, University of Wisconsin, 1575 Linden Drive, Madison, Wisconsin, United States. **remarks:** Released by the Wisconsin Agric. Experiment Station on December 7, 1978. Received January 12, 1989.

**origin:** United States. **cultivar:** Regen-S. **pedigree:** Two cycles of recurrent selection mainly within Saranac for regeneration from callus. **other id:** GP-218. **source:** Crop Sci. 29(4):1095 1989. **group:** CSR-ALFALFA. **remarks:** Plants tetraploid ( $2n=4x=32$ ). Regenerate from callus (67% from original culture protocol, more from alternative medium). Regeneration under genetic control and highly heritable. Used in tissue culture and genetic transformation experiments. Herbage yield 90% of Saranac. Perennial. Breeding Material. Seed.

PI 527690. *Agrostis gigantea* Roth POACEAE Redtop

**Donated by:** Jacklin, A.W.; Brede, A.D., Jacklin Seed Company, West 5300 Jacklin Avenue, Post Falls, Idaho, United States; and Hurley, R.H., Lofts Seed, Inc., P.O. Box 146, Bound Brook, New Jersey, United States. **remarks:** Developed and released by Jacklin Seed Co. and Lofts Seed, Inc. in August 1982. Received January 12, 1989.

**donor id:** P-501.2. **origin:** United States. **cultivar:** STREAKER. **pedigree:** Selection among progeny from seed of a common redtop field in Illinois. **other id:** CV-117. **group:** CSR-OTHER GRASSES. **remarks:** Plants highly stable and uniform, loosely tufted, strong rhizomatous habit. Culms smooth, erect, 1.12m in height. Spring density moderately high. Leaf texture fine. Uses where redtop adapted in low maint. turf, pastures, reclamation areas, and for winter overseeding of dormant warm-season grasses. **disease resistance:** Good to melting-out disease (*Drechslera* spp.). **received as:** *Agrostis alba*. Perennial. Cultivar. Seed.

PI 527691. *Trifolium incarnatum* L. FABACEAE Crimson clover

**Donated by:** Baltensperger, D.D., Dept. of Agronomy, IFAS, University of Florida, Gainesville, Florida, United States. **remarks:** Released by the Florida Agric. Expt. Station in 1986 for use in the Southeastern U.S. for winter and spring grazing. Received January 12, 1989.

**donor id:** FL-XPC-B. **origin:** United States. **cultivar:** FLAME. **pedigree:** Selection from a population of Dixie crimson clover which maintained itself for at least 7 years in a bermudagrass sod. **other id:** CV-5. **source:** Crop Sci. 29(4):1088 1989. **group:** CSR-CLOVER, CRIMSON. **other id:** PVP 8800203. **source:** Pending. **group:** PVPO. **remarks:** Plants early maturing with good reseeding capabilities. Hard seed and high-temperature dormancy enhances reseeding. Yield good. Flowers segregate white (less than 5%). Red leaf flecking (more than 5%). Annual. Cultivar. Seed.

PI 527692 to 527693. *Poa pratensis* L. POACEAE Kentucky bluegrass

**Donated by:** Kaerwer, H.E., 12800 Gerard Drive, Eden Prairie, Minnesota, United States. **remarks:** Developed and released by Northrup King Co., Minneapolis, Minnesota in August 1986. Received January 12, 1989.



PI 527692 to 527693-continued

PI 527692 **donor id:** P-66. **origin:** United States. **cultivar:** ASPEN. **pedigree:** Bellevue/Belturf. **other id:** CV-34. **source:** Crop Sci. 29(4):1086 1989. **group:** CSR-BLUEGRASS. **other id:** K-8176. **other id:** PVP 8600151. **source:** Certificate in force. **group:** PVPO. **remarks:** Facultative apomictic hybrid with approx. 80 chromosomes. Aberrant types less than 1%. Plants aggressive, leafy, moderately low-growing, produce attractive turf with medium high density, abundant rhizomes, good vigor, medium texture, and bright dark green color. Seedling vigor good. Winter hardiness excellent. Heat and drought tolerance above average. **disease resistance:** Leaf spot and melting out disease (*Drechslera poae*). Leaf and stem rusts, and stripe smut. Perennial. Cultivar. Seed.

PI 527693 **donor id:** NJE P-115. **origin:** United States. **cultivar:** TRENTON. **pedigree:** Progeny from a single, highly apomictic plant from a school lawn in central New Jersey. **other id:** CV-35. **source:** Crop Sci. 29(4):1087 1989. **group:** CSR-BLUEGRASS. **other id:** PVP 8600156. **source:** Certificate in force. **group:** PVPO. **remarks:** Plants vigorous, moderately low-growing, medium texture, bright medium green color, extensive rhizome system. Seedling vigor good. Early spring color attractive. Greenness retained into late fall. Seed yield potential good. Aberrant plants less than 1%. **disease resistance:** Leaf spot and melting out disease (*Drechslera poae*). Leaf and stem rusts, snow mold, and stripe smut. Perennial. Cultivar. Seed.

PI 527694 to 527698. *Triticum aestivum* L. POACEAE Common wheat

**Donated by:** Hunter, J.H., Tinline, R.D., Agric Canada, Saskatoon, Saskatchewan, Canada; and DePauw, R.M., Agric Canada, Swift Current, Saskatchewan, Canada. Received January 12, 1989.

PI 527694 **donor id:** 43-10. **origin:** Canada. **pedigree:** PI 191320/PI 185843. **other id:** GP-314. **group:** CSR-WHEAT. **remarks:** Plants 82cm. Maturity 103 days. Seed red. Susceptible to leaf rust (*Puccinia recondita*), common bunt (*Tilletia caries*), and loose smut (*Ustilago tritici*). Grind time 1.0 min. Grain protein 11.7%. Flour yield 55.9%. Dough development 1.8 min. **disease resistance:** Common root rot (*Cochliobolus sativus*). Moderate to stem rust (*Puccinia tritici*). Spring Annual. Breeding Material. Seed.

PI 527694 to 527698-continued

PI 527695 **donor id:** 256-3. **origin:** Canada. **pedigree:** PI 191320/Glenlea. **other id:** GP-315. **group:** CSR-WHEAT. **remarks:** Plants 80cm. Maturity 103 days. Seed red. Susceptible to common bunt (*Tilletia caries*). Grind time 0.50 min. Grain protein 12.4%. Flour yield 60.6%. Dough development 4.0 min. **disease resistance:** Common root rot (*Cochliobolus sativus*). Leaf rust (*Puccinia recondita*). Loose smut (*Ustilago tritici*). Highly to stem rust (*Puccinia tritici*). Spring Annual. Breeding Material. Seed.

PI 527696 **donor id:** 363-11. **origin:** Canada. **pedigree:** PI 191320/Glenlea. **other id:** GP-316. **group:** CSR-WHEAT. **remarks:** Plants 78cm. Maturity 103 days. Seed red. Grind time 0.48 min. Grain protein 11.4%. Flour yield 60.9%. Dough development 4.0 min. **disease resistance:** Common root rot (*Cochliobolus sativus*). Leaf rust. Loose smut. Moderate to bunt. Highly to stem rust (*Puccinia tritici*). Spring Annual. Breeding Material. Seed.

PI 527697 **donor id:** 434-5. **origin:** Canada. **pedigree:** PI 191320/NB313. **other id:** GP-317. **group:** CSR-WHEAT. **remarks:** Plants 76cm. Maturity 102 days. Seed white. Very susceptible to bunt (*Tilletia caries*) and loose smut (*Ustilago tritici*). Grind time 0.57 min. Grain protein 13.2%. Flour yield 63.0%. Dough development 2.8 min. **disease resistance:** Common root rot (*Cochliobolus sativus*). Highly to stem rust (*Puccinia tritici*). Moderate to leaf rust (*Puccinia recondita*). Spring Annual. Breeding Material. Seed.

PI 527698 **donor id:** 495-11. **origin:** Canada. **pedigree:** PI 191320/NB313. **other id:** GP-318. **group:** CSR-WHEAT. **remarks:** Plants 74cm. Maturity 101 days. Seed red. Very susceptible to bunt (*Tilletia caries*), loose smut (*Ustilago tritici*). Grind time 0.55 min. Grain protein 12.2%. Flour yield 65.3%. Dough development 3.5 min. **disease resistance:** Common root rot (*Cochliobolus sativus*). Stem rust (*Puccinia tritici*). Moderate to leaf rust (*Puccinia recondita*). Spring Annual. Breeding Material. Seed.

PI 527699 to 527700. *Zea mays* L. POACEAE Corn

**Donated by:** Russell, W.A., Dept. of Agronomy, Iowa State University, Ames, Iowa, United States. **remarks:** Developed cooperatively by the Iowa Agric. and Home Econ. Exp. Station and USDA-ARS. Released in 1988. Received January 12, 1989.

PI 527699 to 527700-continued

- \* PI 527699 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** B90. **pedigree:** BSCB1(R)C7. **other id:** PL-121. **source:** Crop Sci. 29(4):1101 1989. **group:** CSR-MAIZE. **remarks:** Plant height medium, 180cm. Maturity AES800. Seeds shallow, dent, yellow, spherical, 85g per 300. Cobs red, 12-14 rows. Plant health good. Stalk lodging resistance good. **insect resistance:** Moderate to 1st gen. European Corn borer(*Ostrinia nubilalis*). Low to 2nd generation. Annual. Breeding Material. Seed.
- \* PI 527700 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** B91. **pedigree:** BSCB1(R)C8. **other id:** PL-122. **source:** Crop Sci. 29(4):1101 1989. **group:** CSR-MAIZE. **remarks:** Plant height medium, 180cm. Maturity early AES800. Seeds shallow, dent, spherical, 70g per 300. Cobs dark red, 14 rows. Plant health good. Stalk lodging resistance moderate. **insect resistance:** Moderate to 1st gen. European Corn borer(*Ostrinia nubilalis*). Low to 2nd generation. Annual. Breeding Material. Seed.

PI 527701 to 527703. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Shannon, J.G., Asgrow Seed Company, P.O. Box 210, Marian, Arkansas, United States; and Schillinger, J.A., Asgrow Seed Company, Kalamazoo, Michigan, United States. Received January 12, 1989.

- PI 527701 **donor id:** XP5474. **origin:** United States. **cultivar:** A5474. **pedigree:** F4 of Tracy/D71-6234//J74-122. **other id:** CV-234. **group:** CSR-SOYBEAN. **other id:** PVP 8000147. **source:** Certificate in force. **group:** PVPO. **remarks:** Released in 1981 because of high productivity and disease resistance. Growth habit determinate. Maturity Group V. Flowers white. Pubescence tawny. Pod walls brown. Seeds shiny yellow, black hila. Susceptible to root knot nematode (*Meloidogyne incognita*) and stem canker (*Diaporthe phaseolarum* var. *caulivora*). **disease resistance:** *Phytophthora* root rot. Powdery mildew (*Microspheera diffusa*). Bacterial pustule (*Xanthomonas campestris* pv *phaseoli*). **nematode resistance:** Soybean cyst races 3 and 4. Annual. Cultivar. Seed.

PI 527702 **donor id:** XP5980. **origin:** United States. **cultivar:** A5980. **pedigree:** F5 of Tracy/D71-6234//J74-122. **other id:** CV-235. **group:** CSR-SOYBEAN. **other id:** PVP 8400097. **source:** Certificate in force. **group:** PVPO. **remarks:** Released in 1984 because of high productivity on clay or shallow soils of the mid-south. Maturity late Group V. Flowers purple. Pod walls tan. Pubescence tawny. Seeds shiny yellow, black hila, 15g per 100. No major gene for resistance to Phytophthora root rot (Phytophthora megasperma sp. glycinea). Susceptible to root knot nematode (Meloidogyne incognita), stem canker (Diaporthe phaseolarum var. caulivora). **nematode resistance:** Soybean cyst races 3 and 4 (Heterodera glycines Ichinohe). **disease resistance:** Bacterial pustule (Xanthomonas campestris pv phaseoli). Annual. Cultivar. Seed.

PI 527703 **donor id:** XP6381. **origin:** United States. **cultivar:** A6381. **pedigree:** F5 of N72-3038/Essex. **other id:** CV-236. **group:** CSR-SOYBEAN. **other id:** PVP 8400095. **source:** Certificate in force. **group:** PVPO. **remarks:** Released in 1984 because of productivity in areas where lodging is severe. Maturity early Group VI. Flowers purple. Pubescence grey. Pods tan. Seds shiny yellow, imperfect black hila. Susceptible to Soybean cyst nematode (Heterodera glycines Ichinohe), Phytophthora root rot (Phytophthora megasperma sp. glycinea), and stem canker (Diaporthe phaseolarum var. caulivora). **disease resistance:** Bacterial pustule (Xanthomonas campestris pv phaseoli). Sclerotinia stem blight (Sclerotinia sclerotiorum). **nematode resistance:** Root knot (Meloidogyne incognita). Annual. Cultivar. Seed.

PI 527704. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Shannon, J.G., Asgrow Seed Company, P.O. Box 210, Marian, Arkansas, United States. Received January 12, 1989.

**donor id:** XP6681. **origin:** United States. **cultivar:** A6785. **pedigree:** F4 of Young/D74-7741. **other id:** CV-237. **group:** CSR-SOYBEAN. **other id:** PVP 8600106. **source:** Certificate in force. **group:** PVPO. **remarks:** Released in 1984 because of excellent yield potential over a wide range of environments. Maturity late Group VI. Flowers white. Pubescence grey. Pods tan. Foliage dark green. Seeds dull yellow, gray buff hila. Susceptible to Soybean cyst nematode (Heterodera glycines). **disease resistance:** Rps1c gene to Phytophthora rot. Bacterial pustule. Frog eye leaf spot. Moderate to stem canker. **nematode resistance:** Root knot. Tolerant to Columbia lance. Annual. Cultivar. Seed.

PI 527705. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** CIAT, Apdo Aereo 6713, Cali, Colombia. **remarks:** Received thru H.F. Schwartz, Dept. of Botany & Plant Pathology, Colorado State University, Fort Collins, Colorado. Received January 14, 1988.

**donor id:** AFR 143. **origin:** Colombia. **collected:** December 24, 1987. **remarks:** Habit upright, type II. Maturity 100-110 days. Entry in International Bean Yield and Adaptation Nursery. Seeds cream colored. Cultivated. Seed.

PI 527706. *Asparagus davuricus* Fischer ex Link LILIACEAE

**Donated by:** Central Siberian Botanic Garden, Academy of Sciences of the USSR, Novosibirsk, Soviet Union. Received September 22, 1989.

**donor id:** 8253. **origin:** Soviet Union. **locality:** Czitinskij (Nerczinskij Zavod) Region. **remarks:** Plants erect. Crosses readily with *A. officinalis*. Emerges earlier in spring than *A. officinalis*. Cultivated. Seed.

PI 527707. *Oryza sativa* L. POACEAE Rice

**Donated by:** Moldenhauer, K.A.K., Rice Research and Extension Center, University of Arkansas, P.O. Box 351, Stuttgart, Arkansas, United States. Received December 27, 1988.

**donor id:** RU8601179. **origin:** United States. **cultivar:** KATY. **pedigree:** Bonnet 73/CI9722//Starbonnet/Tetep/3/Lebonnet. **other id:** CV-78. **group:** CSR-RICE. **remarks:** Plants 113cm tall. Maturity 130 days. Long grain type. **disease resistance:** To 8 races of blast (*Pyricularia oryzae*). Good tolerance to sheath blight (*Rhizoctonia solani*). Annual. Cultivar. Seed.

PI 527708. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Western Regional P.I. Station, 59 Johnson Hall, Washington State University, Pullman, Washington, United States. Received January 04, 1989.

**origin:** UNKNOWN. **remarks:** Seeds white. Erroneously labeled PI 212910 (*Vigna mungo*). Seed.

PI 527709 to 527710. *Carthamus tinctorius* L. ASTERACEAE Safflower

**Donated by:** Western Regional P.I. Station, 59 Johnson Hall,  
Washington State University, Pullman, Washington, United States.  
Received January 04, 1989.

\* PI 527709 *Danthonia* sp. POACEAE Safflower  
**origin:** UNKNOWN. **remarks:** Erroneously labeled PI 238398  
(*Triticum aestivum*). Seed.

PI 527710 **origin:** UNKNOWN. **remarks:** Erroneously labeled PI 251910  
(*Triticum aestivum*). Seed.

PI 527711 to 527827. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Lamprecht, H., Weibullsholm Plant Breeding Institute,  
Landskron, Sweden. **remarks:** Received through M. Dickson, Dept. of  
Seed & Vegetable Science, New York State Agriculture Experiment  
Station, Geneva, New York. Received December 1988.

PI 527711 **donor id:** V0001. **origin:** Sweden. **cultivar:** STELLA.  
Cultivar. Seed.

PI 527712 **donor id:** V0005. **origin:** Sweden. **cultivar:**  
INCOMPARABLE. Cultivar. Seed.

PI 527713 **donor id:** V0006. **origin:** Sweden. **cultivar:** TRES NAIN  
PRECOCE. Cultivar. Seed.

PI 527714 **donor id:** V0009. **origin:** Sweden. **cultivar:** SOUVENIR DE  
DENIL. Cultivar. Seed.

PI 527715 **donor id:** V0053. **origin:** Sweden. **received as:** *Phaseolus*  
*vulgaris* var. *atropunctatus*. Cultivated. Seed.

PI 527716 **donor id:** V0059. **origin:** Sweden. **remarks:** Mutant II by  
E. Nilsson. Cultivated. Seed.

PI 527717 **donor id:** V0060. **origin:** Sweden. **remarks:** Mutant II by  
E. Nilsson. Cultivated. Seed.

PI 527718 **donor id:** V0061. **origin:** Sweden. **remarks:** nr. 2 from  
Mount Elgon. Cultivated. Seed.

PI 527719 **donor id:** V0062. **origin:** Sweden. **remarks:** nr. 5 from  
Mount Elgon. Cultivated. Seed.

PI 527720 **donor id:** V0063. **origin:** Sweden. **remarks:** Minimus type.  
Cultivated. Seed.

PI 527721 **donor id:** V0104. **origin:** Sweden. **remarks:** Margo virg.  
Cultivated. Seed.

PI 527711 to 527827-continued

PI 527722 donor id: VO106. origin: Sweden. Cultivated. Seed.

PI 527723 donor id: VO116. origin: Sweden. Cultivated. Seed.

PI 527724 donor id: VO135. origin: Sweden. remarks: Munz bronze  
gelb. Cultivated. Seed.

PI 527725 donor id: VO161. origin: Sweden. cultivar: EXPRESS.  
Cultivar. Seed.

PI 527726 donor id: VO311. origin: Sweden. remarks: Selection  
from K.28/34. Cultivated. Seed.

PI 527727 donor id: VO328. origin: Sweden. Cultivated. Seed.

PI 527728 donor id: VO329. origin: Sweden. Cultivated. Seed.

PI 527729 donor id: VO330. origin: Sweden. Cultivated. Seed.

PI 527730 donor id: VO334. origin: Sweden. Cultivated. Seed.

PI 527731 donor id: VO343. origin: Sweden. Cultivated. Seed.

PI 527732 donor id: VO348. origin: Sweden. remarks:  
Ambra-stonecolored. Cultivated. Seed.

PI 527733 donor id: VO367. origin: Sweden. remarks: Dark brown.  
Cultivated. Seed.

PI 527734 donor id: VO373. origin: Sweden. remarks: Havannabraun.  
Cultivated. Seed.

PI 527735 donor id: VO400. origin: Sweden. remarks: Pods green.  
Flowers white. Cultivated. Seed.

PI 527736 donor id: VO418. origin: Sweden. remarks: Fruhe  
tausende fur eine. Cultivated. Seed.

PI 527737 donor id: VO433. origin: Sweden. cultivar: SCHREIBERS  
BLAUHULSIG. Cultivar. Seed.

PI 527738 donor id: VO434. origin: Sweden. cultivar: SCHREIBERS  
INDIGO. Cultivar. Seed.

PI 527739 donor id: VO446. origin: Sweden. remarks: Virgata type.  
Cultivated. Seed.

PI 527740 donor id: VO448. origin: Sweden. remarks: Sepia m.hr.  
Cultivated. Seed.

PI 527741 donor id: VO454. origin: Sweden. remarks: Antimongelb.  
Cultivated. Seed.

PI 527711 to 527827-continued

- PI 527742 donor id: VO471. origin: Sweden. remarks: Gr. Glaucescens. Cultivated. Seed.
- PI 527743 donor id: VO475b. origin: Sweden. remarks: Hell Lohfarben. Seeds brown. Cultivated. Seed.
- PI 527744 donor id: VO483. origin: Sweden. remarks: Rhamninbraun. Cultivated. Seed.
- PI 527745 donor id: VO491. origin: Sweden. remarks: Weisshulsige. Cultivated. Seed.
- PI 527746 donor id: VO492. origin: Sweden. remarks: Hell Weinrosa. Cultivated. Seed.
- PI 527747 donor id: VO493. origin: Sweden. remarks: Dark Yvette Violet. Cultivated. Seed.
- PI 527748 donor id: VO516. origin: Sweden. remarks: Glaucescens Plus Indigo Margo. Cultivated. Seed.
- PI 527749 donor id: VO518. origin: Sweden. remarks: Veilchenart Weiss. Cultivated. Seed.
- PI 527750 donor id: VO530. origin: Sweden. remarks: Havannabraun. Cultivated. Seed.
- PI 527751 donor id: VO538. origin: Sweden. Cultivated. Seed.
- PI 527752 donor id: VO548. origin: Sweden. Cultivated. Seed.
- PI 527753 donor id: VO553. origin: Sweden. remarks: Gelbhulsige Schwert. Cultivated. Seed.
- PI 527754 donor id: VO562. origin: Sweden. remarks: Gelbhulsige Schwert. Cultivated. Seed.
- PI 527755 donor id: VO580. origin: Sweden. remarks: Hundra for en type. Cultivated. Seed.
- PI 527756 donor id: VO587. origin: Sweden. remarks: Hundra for en typ. Cultivated. Seed.
- PI 527757 donor id: VO594. origin: Sweden. remarks: Gonospermum-marmoriert. Cultivated. Seed.
- PI 527758 donor id: VO598. origin: Sweden. remarks: Aphyllum-type. Cultivated. Seed.
- PI 527759 donor id: VO610. origin: Sweden. remarks: Bronze. Cultivated. Seed.



PI 527711 to 527827-continued

PI 527760 donor id: VO614. origin: Sweden. remarks: Light  
Rhaminbrown. Cultivated. Seed.

PI 527761 donor id: VO618. origin: Sweden. remarks: Ambraweiss.  
Cultivated. Seed.

PI 527762 donor id: VO622. origin: Sweden. remarks: Neapel  
yellow. Cultivated. Seed.

PI 527763 donor id: VO624. origin: Sweden. remarks: Highly steril  
from Konserva. Cultivated. Seed.

PI 527764 donor id: VO639. origin: Sweden. remarks:  
Lilagrau-Speckweiss. Cultivated. Seed.

PI 527765 donor id: VO652. origin: Sweden. remarks: From Hundra  
for en. Cultivated. Seed.

PI 527766 donor id: VO661. origin: Sweden. remarks: Vss.  
Cultivated. Seed.

PI 527767 donor id: VO665A. origin: Sweden. remarks: Stringless  
kidney wax. Seeds white. Cultivated. Seed.

PI 527768 donor id: VO665B. origin: Sweden. remarks: Stringless  
kidney wax. Seeds white with black eyespot. Cultivated.  
Seed.

PI 527769 donor id: VO672. origin: Sweden. cultivar: IDAHO  
REFUGEE. Cultivar. Seed.

PI 527770 donor id: VO685. origin: Sweden. remarks:  
Canary-yellow. Cultivated. Seed.

PI 527771 donor id: VO687. origin: Sweden. remarks: Red kidney  
7811. Cultivated. Seed.

PI 527772 donor id: VO712. origin: Sweden. remarks: Vis M276-2  
cp/48. Cultivated. Seed.

PI 527773 donor id: VO720. origin: Sweden. remarks: Brunetta.  
Cultivated. Seed.

PI 527774 donor id: VO722. origin: Sweden. remarks: Hell  
Maisgelb. Cultivated. Seed.

PI 527775 donor id: VO724. origin: Sweden. remarks: Weilchenartig  
Weiss. Cultivated. Seed.

PI 527776 donor id: VO738. origin: Sweden. remarks: Weiss.  
Cultivated. Seed.

PI 527711 to 527827-continued

- PI 527777 donor id: VO739. origin: Sweden. remarks: Weinhefe.  
Cultivated. Seed.
- PI 527778 donor id: VO741. origin: Sweden. cultivar: IDEAL.  
Cultivar. Seed.
- PI 527779 donor id: VO747. origin: Sweden. cultivar: CONTENDER.  
Cultivar. Seed.
- PI 527780 donor id: VO757. origin: Sweden. cultivar: DELIKAT.  
Cultivar. Seed.
- PI 527781 donor id: VO759. origin: Sweden. remarks: Dark  
ageratum-blue. Cultivated. Seed.
- PI 527782 donor id: VO760. origin: Sweden. Cultivated. Seed.
- PI 527783 donor id: VO778. origin: Sweden. remarks: Blass  
Eisenhutviolett. Cultivated. Seed.
- PI 527784 donor id: VO780. origin: Sweden. remarks:  
Orangefarbung. Cultivated. Seed.
- PI 527785 donor id: VO781. origin: Sweden. remarks: Dunkelgraul.  
grun. Cultivated. Seed.
- PI 527786 donor id: VO783. origin: Sweden. remarks: Citr. Drab.  
Cultivated. Seed.
- PI 527787 donor id: VO798. origin: Sweden. remarks: Reseda O.Hr.  
Cultivated. Seed.
- PI 527788 donor id: VO813A. origin: Sweden. remarks: Deep Olive  
Buff. Seeds blue. Cultivated. Seed.
- PI 527789 donor id: VO813B. origin: Sweden. remarks: Deep Olive  
Buff. Seeds brown. Cultivated. Seed.
- PI 527790 donor id: VO821. origin: Sweden. remarks:  
Graulich-braun. Cultivated. Seed.
- PI 527791 donor id: VO825. origin: Sweden. remarks: W 230 Chaca  
Poroto. Cultivated. Seed.
- PI 527792 donor id: VO829. origin: Sweden. remarks: L.W. 102.  
Cultivated. Seed.
- PI 527793 donor id: VO832. origin: Sweden. cultivar: GOLDEN MAY.  
Cultivar. Seed.
- PI 527794 donor id: VO835. origin: Sweden. remarks: Bo 19  
Blauschwarz. Cultivated. Seed.

PI 527711 to 527827-continued

- PI 527795 donor id: VO836. origin: Sweden. remarks: Bo 22 c. Cultivated. Seed.
- PI 527796 donor id: VO837. origin: Sweden. remarks: Selection from K.496/FG/53. Cultivated. Seed.
- PI 527797 donor id: VO838. origin: Sweden. remarks: Blass gelboliv l.c. Hr. Cultivated. Seed.
- PI 527798 donor id: VO842. origin: Sweden. remarks: Dunkel antique. Cultivated. Seed.
- PI 527799 donor id: VO846. origin: Sweden. remarks: Black ornamental type. Cultivated. Seed.
- PI 527800 donor id: VO854. origin: Sweden. remarks: Bo 19 from Max Planck Inst. disease resistance: Virus. Cultivated. Seed.
- PI 527801 donor id: VO855. origin: Sweden. remarks: From Max Planck Inst. disease resistance: High to virus. Cultivated. Seed.
- PI 527802 donor id: VO856. origin: Peru. remarks: From Dr. Firbas Satipoamarilla. Cultivated. Seed.
- PI 527803 donor id: VO857. origin: Bolivia. remarks: From Firbas Corto Blanco. Cultivated. Seed.
- PI 527804 donor id: VO862. origin: Sweden. remarks: Rhamin brown. Cultivated. Seed.
- PI 527805 donor id: VO863. origin: Sweden. remarks: Rhamnin brown. Cultivated. Seed.
- PI 527806 donor id: VO869. origin: Sweden. remarks: Lila plus gelblich. Cultivated. Seed.
- PI 527807 donor id: VO870. origin: Sweden. remarks: Antique plus pflaumenviolett from Steiermark. Cultivated. Seed.
- PI 527808 donor id: VO874. origin: Sweden. remarks: Selection from K.612/F4-56. Cultivated. Seed.
- PI 527809 donor id: VO879. origin: Sweden. remarks: Blass creme plus rosalila. Cultivated. Seed.
- PI 527810 donor id: VO883. origin: Sweden. remarks: Teegrun-graul. Reseda. Cultivated. Seed.
- PI 527811 donor id: VO884. origin: Sweden. remarks: Hell Speckweiss plus arc. Havanna. Cultivated. Seed.

PI 527711 to 527827-continued

- PI 527812 **donor id:** VO886. **origin:** Sweden. **remarks:** Selection from K.539 white. Cultivated. Seed.
- PI 527813 **donor id:** VO891. **origin:** Sweden. **remarks:** Dwarf type, buff plus lilagrau. Cultivated. Seed.
- PI 527814 **donor id:** VO895. **origin:** Sweden. **remarks:** Buff plus lilagrau. Cultivated. Seed.
- PI 527815 **donor id:** VO898. **origin:** Sweden. **remarks:** Schwarzl. Violett/Rohschw. Cultivated. Seed.
- PI 527816 **donor id:** VO901. **origin:** Sweden. **remarks:** Graulila M. Hilumrand. Cultivated. Seed.
- PI 527817 **donor id:** VO902. **origin:** Sweden. **remarks:** Seeds white. Cultivated. Seed.
- PI 527818 **donor id:** VO903. **origin:** Sweden. **remarks:** Rohseiden. Cultivated. Seed.
- PI 527819 **donor id:** VO910. **origin:** Argentina. **remarks:** Schwartzbraun from Salta. Cultivated. Seed.
- PI 527820 **donor id:** VO919. **origin:** Sweden. **remarks:** Cremefarben. Cultivated. Seed.
- PI 527821 **donor id:** VO920. **origin:** Sweden. **remarks:** Hellblaugrunlich. Cultivated. Seed.
- PI 527822 **donor id:** VO923. **origin:** Sweden. **remarks:** Bister aphyllus type. Cultivated. Seed.
- PI 527823 **donor id:** VO924. **origin:** Sweden. **remarks:** Dunkel Violett Rohseiden gracilis type. Cultivated. Seed.
- PI 527824 **donor id:** VO925. **origin:** Sweden. **remarks:** Rohseidengelb. Cultivated. Seed.
- PI 527825 **donor id:** VO926. **origin:** Sweden. **remarks:** Hellgraul. Indigo. Cultivated. Seed.
- PI 527826 **donor id:** VO927. **origin:** Sweden. **remarks:** Lilagrau. Cultivated. Seed.
- PI 527827 **donor id:** VO932. **origin:** Mexico. **remarks:** Red Tlalchete from Veracruz. Cultivated. Seed.

PI 527828 to 527878. Phaseolus hybrid FABACEAE

**Donated by:** Lamprecht, H., Weibullsholm Plant Breeding Institute, Landskrong, Sweden. **remarks:** Received through M. Dickson, Dept. of Seed & Vegetable Science, New York State Agriculture Experiment Station, Geneva, New York. Received December 1988.

- PI 527828 **donor id:** MOO10. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Claret brown. **received as:** P. multigaris. Cultivated. Seed.
- PI 527829 **donor id:** MOO48. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Dark seal brown. Cold tolerance. **received as:** P. multigaris. Cultivated. Seed.
- PI 527830 **donor id:** MOO56. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Flowers white. Seeds olive-black. **received as:** P. multigaris. Cultivated. Seed.
- PI 527831 **donor id:** MOO59. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Hessian brown. **received as:** P. multigaris. Cultivated. Seed.
- PI 527832 **donor id:** MOO61. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Mattmunzbronze. **received as:** P. multigaris. Cultivated. Seed.
- PI 527833 **donor id:** MOO69. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Dunkel Pflaumen Violettt. **received as:** P. multigaris. Cultivated. Seed.
- PI 527834 **donor id:** MOO70. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Eisenhutviolett Eosin-flowered. **received as:** P. multigaris. Cultivated. Seed.
- PI 527835 **donor id:** MOO82. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Fleischweiss und V. **received as:** P. multigaris. Cultivated. Seed.
- PI 527836 **donor id:** MOO88. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Lilagrau/Rohseiden. **received as:** P. multigaris. Cultivated. Seed.
- PI 527837 **donor id:** MOO98. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Schwartz/Rohseiden gelb. **received as:** P. multigaris. Cultivated. Seed.
- PI 527838 **donor id:** MO107A. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Flower light lavender. Maize-yellow. **received as:** P. multigaris. Cultivated. Seed.

PI 527828 to 527878-continued

- PI 527839 donor id: MO107B. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Flower dark pink. Maize-yellow. received as: P. multigaris. Cultivated. Seed.
- PI 527840 donor id: MO113. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Seeds dark bluegrey/white without Hilum line. received as: P. multigaris. Cultivated. Seed.
- PI 527841 donor id: MO118. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Pyramidalis type. received as: P. multigaris. Cultivated. Seed.
- PI 527842 donor id: MO120. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Maize-yellow. received as: P. multigaris. Cultivated. Seed.
- PI 527843 donor id: MO122. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Flowers white. Seeds lilac red. received as: P. multigaris. Cultivated. Seed.
- PI 527844 donor id: MO133. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Schwarzviolett/Rohseiden. received as: P. multigaris. Cultivated. Seed.
- PI 527845 donor id: MO137. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: W99/46. received as: P. multigaris. Cultivated. Seed.
- PI 527846 donor id: MO140. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Bister. received as: P. multigaris. Cultivated. Seed.
- PI 527847 donor id: MO146. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Hell Rohseiden. received as: P. multigaris. Cultivated. Seed.
- PI 527848 donor id: MO150. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Rhamn. received as: P. multigaris. Cultivated. Seed.
- PI 527849 donor id: MO155. origin: Sweden. pedigree: P. vulgaris/P. coccineus (Lyonais/red flowered 2703/49). received as: P. multigaris. Cultivated. Seed.
- PI 527850 donor id: MO156. origin: Sweden. pedigree: P. vulgaris/P. coccineus (Lyonais/red flowered 2764/49). received as: P. multigaris. Cultivated. Seed.

PI 527828 to 527878-continued

- PI 527851 donor id: M0157. origin: Sweden. pedigree: P. vulgaris/P. coccineus (Lyonais/red flowered 2764/49). received as: P. multigaris. Cultivated. Seed.
- PI 527852 donor id: M0158. origin: Sweden. pedigree: P. vulgaris/P. coccineus (Lyonais/red flowered 2766/49). received as: P. multigaris. Cultivated. Seed.
- PI 527853 donor id: M0159. origin: Sweden. pedigree: P. vulgaris/P. coccineus (Lyonais/red flowered 2767/49). received as: P. multigaris. Cultivated. Seed.
- PI 527854 donor id: M0160. origin: Sweden. pedigree: P. vulgaris/P. coccineus (Lyonais/red flowered 2768/49). received as: P. multigaris. Cultivated. Seed.
- PI 527855 donor id: M0161. origin: Sweden. pedigree: P. vulgaris/P. coccineus (Lyonais/red flowered 2769/49). received as: P. multigaris. Cultivated. Seed.
- PI 527856 donor id: M0162. origin: Sweden. pedigree: P. vulgaris/P. coccineus (L.161 vulg./red flowered 2772/49). received as: P. multigaris. Cultivated. Seed.
- PI 527857 donor id: M0163. origin: Sweden. pedigree: P. vulgaris/P. coccineus (L.161 vulg./red flowered 2773/49). received as: P. multigaris. Cultivated. Seed.
- PI 527858 donor id: M0169. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Vernoniapurpur. received as: P. multigaris. Cultivated. Seed.
- PI 527859 donor id: M0173. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Sandfarben plus lavende. received as: P. multigaris. Cultivated. Seed.
- PI 527860 donor id: M0175. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Res. bean from Sondrabý. Seeds dark blue-grey. received as: P. multigaris. Cultivated. Seed.
- PI 527861 donor id: M0178. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Lehmfarben. received as: P. multigaris. Cultivated. Seed.
- PI 527862 donor id: M0179. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Winepink/Ocher red. received as: P. multigaris. Cultivated. Seed.
- PI 527863 donor id: M0184. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Scarlet blue runner bean Sussex. received as: P. multigaris. Cultivated. Seed.

PI 527828 to 527878-continued

- PI 527864 donor id: MO186. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Dunkel pflaummenviolettrot/violett/Rohseideng. received as: P. multigaris. Cultivated. Seed.
- PI 527865 donor id: MO192. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Bister. received as: P. multigaris. Cultivated. Seed.
- PI 527866 donor id: MO193. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Greyish Havanna, light dark brown mar. received as: P. multigaris. Cultivated. Seed.
- PI 527867 donor id: MO194. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Greyish Havanna, greenish dark brown. received as: P. multigaris. Cultivated. Seed.
- PI 527868 donor id: MO196. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Seeds brownish grey and whitish. received as: P. multigaris. Cultivated. Seed.
- PI 527869 donor id: MO197. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Seeds whitish. received as: P. multigaris. Cultivated. Seed.
- PI 527870 donor id: MO198. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Rhamnin. received as: P. multigaris. Cultivated. Seed.
- PI 527871 donor id: MO203. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Dunkel lilabraun/Rohseiden. received as: P. multigaris. Cultivated. Seed.
- PI 527872 donor id: MO204. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Braunartig Violett/Rohseiden. received as: P. multigaris. Cultivated. Seed.
- PI 527873 donor id: MO207A. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Schwarz/Havanna/Rohseiden. Seeds white with purple mottled pattern. received as: P. multigaris. Cultivated. Seed.
- PI 527874 donor id: MO207B. origin: Sweden. pedigree: P. vulgaris/P. coccineus. remarks: Schwarz/Havanna/Rohseiden. Seeds dark grey. received as: P. multigaris. Cultivated. Seed.



PI 527828 to 527878-continued

- PI 527875 **donor id:** MO207C. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Schwarz/Havanna/Rohseiden. Seeds light grey. **received as:** P. multigaris. Cultivated. Seed.
- PI 527876 **donor id:** MO208A. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Dunkel Glaucescens o. Hr. Seeds light grey. **received as:** P. multigaris. Cultivated. Seed.
- PI 527877 **donor id:** MO208B. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Dunkel Glaucescens o. Hr. Seeds grey. **received as:** P. multigaris. Cultivated. Seed.
- PI 527878 **donor id:** MO209. **origin:** Sweden. **pedigree:** P. vulgaris/P. coccineus. **remarks:** Schwarz/Rohseiden. **received as:** P. multigaris. Cultivated. Seed.

PI 527879 to 527880. Solanum tuberosum L. SOLANACEAE Potato

**Donated by:** Day, P.R., Plant Breeding Institute, Maris Lane, Trumpington, Cambridge, England. Received April 18, 1980.

- PI 527879 **origin:** United Kingdom. **cultivar:** FELTWELL. **other id:** Q 21917-A8. Cultivar. Tuber.
- PI 527880 **origin:** United Kingdom. **cultivar:** TEAL. **other id:** Q 21920-A5. Cultivar. Tuber.

PI 527881. Solanum tuberosum L. SOLANACEAE Potato

**Donated by:** Rosenstrom, L.O., Sesam, Egilsv 27, 161 53, Bromma, Sweden. Received April 03, 1985.

**origin:** Sweden. **cultivar:** RODBROKIG SVENSK. **other id:** Q 25502-A4. Cultivar. Tuber.

PI 527882. Solanum tuberosum L. SOLANACEAE Potato

**Donated by:** VIR, Leningrad, Soviet Union. Received July 22, 1982.

**origin:** Soviet Union. **cultivar:** PO3A(Rofa). **other id:** Q 23041-A2. Cultivar. Tuber.

PI 527883. *Solanum alandiae* Cardenas SOLANACEAE

**Donated by:** Hoopes, R.W., Department of Plant Breeding & Biometry, Cornell University, Ithaca, New York, United States. Received June 22, 1986.

**donor id:** HAO 140. **origin:** Bolivia. **collected:** March 24, 1986. **collector:** R.W. Hoopes, K.A. Okada, I. Aviles. **collector id:** HAO 140. **other id:** Q 26122-A. **locality:** Roadside, 9km from Totora on the road to Omereque, Dept. Cochabamba, Prov. Carrasco. **latitude:** 17 deg. 48 min. S. **longitude:** 65 deg. 01 min. W. **elevation:** 2900m. **remarks:** Possibly hybrid between *S. microdontum* and *S. alandiae*. Leaves coarse, pubescent throughout. Four pairs laterals with 1st pair sessile. Wild. Tuber.

PI 527884. *Solanum berthaultii* Hawkes SOLANACEAE

**Donated by:** Hoopes, R.W., Department of Plant Breeding & Biometry, Cornell University, Ithaca, New York, United States. Received June 22, 1986.

**donor id:** HAO 38. **origin:** Bolivia. **collected:** March 07, 1986. **collector:** R.W. Hoopes, K.A. Okada, I. Aviles. **collector id:** HAO 38. **other id:** Q 26111-B. **locality:** Steep, gravelly slope below road, 125km from Aiguile, 26km before Sucre on main road, Dept. Chuquisaca, Prov. Oropeza. **latitude:** 18 deg. 51 min. S. **longitude:** 65 deg. 14 min. W. **remarks:** Plants frequent, but small, not well developed. Leaves pointed, well dissected. Wild. Tuber.

PI 527885. *Solanum* hybrid SOLANACEAE

**Donated by:** Hoopes, R.W., Department of Plant Breeding & Biometry, Cornell University, Ithaca, New York, United States. Received June 22, 1986.

**donor id:** HAO 33. **origin:** Bolivia. **pedigree:** *S. tarijense*/*S. alandiae*. **collected:** March 06, 1986. **collector:** R.W. Hoopes, K.A. Okada, I. Aviles. **collector id:** HAO 33. **other id:** Q 26109-A. **locality:** Maize field, 7km from turn-off towards Omereque, 1 km beyond village of Marquilla. **latitude:** 18 deg. 09 min. S. **longitude:** 65 deg. 06 min. W. **elevation:** 2260m. **remarks:** Plants odorless. Leaves pubescent, 1st pair of laterals with well-developed petioles. Flowers pale lilac. Corolla stellate, well dissected. Berries conical shape, light green, white spotted and almost white on bottom. Wild. Tuber.

**Donated by:** Hoopes, R.W., Department of Plant Breeding & Biometry, Cornell University, Ithaca, New York, United States. Received June 22, 1986.

- PI 527886 **donor id:** HAO 42. **origin:** Bolivia. **collected:** March 08, 1986. **collector:** R.W. Hoopes, K.A. Okada, I. Aviles. **collector id:** HAO 42. **other id:** Q 26112-B. **locality:** Roadside, under Schimus molle tree, turn right about 40km from Sucre, 25km before Tarabuco, 7km from turnoff to Sotomayer. **latitude:** 19 deg. 13 min. S. **longitude:** 65 deg. 10 min. W. **elevation:** 2880m. **remarks:** Plants about 70cm tall. Wild. Tuber.
- PI 527887 **donor id:** HAO 75. **origin:** Bolivia. **collected:** March 12, 1986. **collector:** R.W. Hoopes, K.A. Okada, I. Aviles. **collector id:** HAO 75. **other id:** Q 26114-A. **locality:** Peach orchard, along ditch, property of Sr. Ivan Gorena, Jatun Mayu (Big River) 10km beyond Icla towards Azurduy, Dept. Chuquisaca, Prov. Zudanez or Jaime Merdoza. **latitude:** 19 deg. 20 min. S. **longitude:** 64 deg. 49 min. W. **elevation:** 2740m. **remarks:** Flowers purple. Wild. Tuber.
- PI 527888 **donor id:** HAO 119. **origin:** Bolivia. **collected:** February 21, 1986. **collector:** R.W. Hoopes, K.A. Okada, I. Aviles. **collector id:** HAO 119. **other id:** Q 26119-B. **locality:** Roadside, base of adobe wall on way out of turn towards Cotagaita, Rio Blanco, 39-40km from Tupiza checkpoint, Dept. Potasi, Prov. Sud Chichas or Nor Chichas. **latitude:** 21 deg. 08 min. S. **longitude:** 65 deg. 48 min. W. **elevation:** 3220m. **remarks:** Leaves pilose throughout. Tubers white-skinned. Wild. Tuber.
- PI 527889 **donor id:** HAO 153. **origin:** Bolivia. **local name:** Kutu papa. **collected:** March 31, 1986. **collector:** R.W. Hoopes, K.A. Okada, I. Aviles. **collector id:** HAO 153. **other id:** Q 26125-B. **locality:** 9km beyond Tarvita, 46km from Azurduy, returning towards Tarabuco, Dept. Chuquisaca, Prov. Azurduy. **latitude:** 19 deg. 45 min. S. **longitude:** 64 deg. 33 min. W. **elevation:** 2900m. **remarks:** Terminal leaflets ovate-lanceolate, enlarged. Leaflets lateral, 1-2 pairs. Wild. Tuber.
- PI 527890 **donor id:** HAO 155. **origin:** Bolivia. **collected:** April 01, 1986. **collector:** R.W. Hoopes, K.A. Okada, I. Aviles. **collector id:** HAO 155. **other id:** Q 26126-A. **locality:** Roadside, 2km beyond Abra Kasa on way to Tarabuco, 61km from Azurduy. **latitude:** 19 deg. 38 min. S. **longitude:** 64 deg. 39 min. W. **elevation:** 2440m. **remarks:** Similar to HAO 153 (PI 527889). Terminal leaflet ovate-lanceolate with 1 pair of lateral leaflets. Wild. Tuber.

PI 527891. *Solanum tarijense* Hawkes SOLANACEAE

**Donated by:** Hoopes, R.W., Department of Plant Breeding & Biometry, Cornell University, Ithaca, New York, United States. Received June 22, 1986.

**donor id:** HAO 134. **origin:** Bolivia. **collected:** March 23, 1986. **collector:** R.W. Hoopes, K.A. Okada, I. Aviles. **collector id:** HAO 134. **other id:** Q 26121-B. **locality:** Border of maize field, 22km from checkpoint leaving Sucre on road to Aiguile, Dept. Chuquisaca, Prov. Oropeza. **latitude:** 18 deg. 53 min. S. **longitude:** 65 deg. 14 min. W. **elevation:** 2140m. Wild. Tuber.

PI 527892. *Solanum x edinense* Berthault SOLANACEAE

**Donated by:** Ross, R., Inter-Regional Potato Into. Sta., Peninsula Experiment Station, Sturgeon Bay, Wisconsin, United States. Received December 8, 1983.

**donor id:** TRHRG 189. **origin:** Mexico. **collected:** October 27, 1983. **other id:** Q 24050-A2. **locality:** Cerro Jocotitlan between Toluca and S.J. del Rio road up to micro-wave station, 2km above village of Jocotitlan, Edo. de Mexico. **elevation:** 2800m. **remarks:** Plants up to 1 m tall. Tubers to 3cm, violet. Wild. Tuber.

PI 527893. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** Mix, G., Inst. fur Pflanzenbau u Pflanzenzuchtung, Bundesforschungsanstalt-Landwirtschaft, (FAL) Bundessallee 50, D-3300 Braunschweig, Germany, Federal Rep of. Received July 15, 1986.

**donor id:** BGRC-Nr 038 110. **origin:** Germany, Federal Rep of. **cultivar:** IRIS. **other id:** Q 26275-A. **remarks:** Dormancy good. **disease resistance:** PVY virus. Late blight. Cultivar. Tuber.

PI 527894. *Solanum cardiophyllum* Lindley SOLANACEAE

**Donated by:** Hjerting, J.P., Botanisk Have, Kobenhavns Universitet, Oster Farimagsgade 2B, DK-1353, Copenhagen, Denmark. Received November 27, 1984.

**donor id:** TRHRG 234B. **origin:** Mexico. **collected:** September 28, 1984. **locality:** Quercus woodland, among rocks, shade, soil dark, 23km along track towards Tlaltenango, from Hwy 54, 10km SW of Jalpa. Wild. Tuber.

PI 527895 to 527896. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** He, C., Institute of Crop Germplasm Resources, Chinese Acad. of Agric. Sciences, 30 Bai Shi Qiao Road, Beijing, China, Peoples Repub of. Received July 26, 1988.

PI 527895 **origin:** China, Peoples Repub of. **cultivar:** BL 1-10. **other id:** Q26143. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527896 **origin:** China, Peoples Repub of. **cultivar:** NT-2. **other id:** Q26145. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527897 to 527905. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** Jellis, G., Plant Breeding Institute, Maris Lane, Trumpington, Cambridge, England, United Kingdom. Received July 26, 1988.

PI 527897 **origin:** United Kingdom. **cultivar:** DRAYTON. **other id:** Q26327. **Cultivar.** Tuber.

PI 527898 **origin:** Germany, Federal Rep of. **cultivar:** ERNTESTOLZ. **other id:** Q26176. **restricted:** PAT. **remarks:** Protected by Plant Breeders' Rights. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527899 **origin:** Germany, Federal Rep of. **cultivar:** PIROLA. **other id:** Q26310. **restricted:** PAT. **remarks:** Protected by Plant Breeders' Rights. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527900 **origin:** United Kingdom. **cultivar:** ZC109-5. **other id:** Q26326. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527901 **origin:** United Kingdom. **cultivar:** 79V100-40. **other id:** Q26316. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527902 **origin:** United Kingdom. **cultivar:** 79V104-62. **other id:** Q26178. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527903 **origin:** United Kingdom. **cultivar:** 79V106-18. **other id:** Q26163. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527904 **origin:** United Kingdom. **cultivar:** 79V107-62. **other id:** Q26166. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527897 to 527905-continued

PI 527905 **origin:** United Kingdom. **cultivar:** 81V93-3. **other id:** Q26175. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527906 to 527910. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** Mackay, G., Scottish Crop Research Institute, Pentlandsfield Roslin, Midlothian, Scotland, United Kingdom. Received July 26, 1988.

PI 527906 **origin:** United Kingdom. **cultivar:** PENTLAND CROWN. **other id:** Q26169. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527907 **origin:** United Kingdom. **cultivar:** G6582-3. **other id:** Q26318. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527908 **origin:** United Kingdom. **cultivar:** G6607-2. **other id:** Q26512. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527909 **origin:** United Kingdom. **cultivar:** G6785-3. **other id:** Q26321. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527910 **origin:** United Kingdom. **cultivar:** G7167-5. **other id:** Q26323. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527911 to 527918. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** Glendinning, D.R., Scottish Crop Research Institute, Pentlandsfield Roslin, Midlothian, Scotland, United Kingdom. Received July 26, 1988.

PI 527911 **origin:** United Kingdom. **cultivar:** GL76B/55. **other id:** Q26313. **disease resistance:** Viruses leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527912 **origin:** United Kingdom. **cultivar:** GL76B/103. **other id:** Q26177. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527913 **origin:** United Kingdom. **cultivar:** GL76B/109. **other id:** Q26165. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527911 to 527918-continued

- PI 527914 **origin:** United Kingdom. **cultivar:** GL78/81(86). **other id:** Q26311. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.
- PI 527915 **origin:** United Kingdom. **cultivar:** GL78/85. **other id:** Q26319. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.
- PI 527916 **origin:** United Kingdom. **cultivar:** GL78/167. **other id:** Q26328. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.
- PI 527917 **origin:** United Kingdom. **cultivar:** GL79/28. **other id:** Q26331. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.
- PI 527918 **origin:** United Kingdom. **cultivar:** GL79/90. **other id:** Q26324. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527919 to 527923. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** Swiezynski, K., Institute for Potato Research, Mlochow 05-832, Rozalin, Poland. Received July 26, 1988.

- PI 527919 **origin:** Poland. **cultivar:** BZURA. **other id:** Q26156. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.
- PI 527920 **origin:** Poland. **cultivar:** CAPELLA. **other id:** Q26162. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.
- PI 527921 **origin:** Poland. **cultivar:** DUET. **other id:** Q26152. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.
- PI 527922 **origin:** Poland. **cultivar:** JASMIN. **other id:** Q26148. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.
- PI 527923 **origin:** Poland. **cultivar:** PERKOZ. **other id:** Q26507. **disease resistance:** Viruses - leafroll and/or potato Y. **Cultivar.** Tuber.

PI 527924 to 527928. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** Institutt for Plantelkultur, Norges Landbrukshogskole, 1432 AS-NLH, Norway. Received December 01, 1986.

PI 527924 to 527928-continued

PI 527924 **origin:** Norway. **cultivar:** GULLAUGE. **other id:** Q 26611-A. Cultivar. Tuber.

PI 527925 **origin:** Norway. **cultivar:** OTTAR. **other id:** Q 26612-B. Cultivar. Tuber.

PI 527926 **origin:** Norway. **cultivar:** TROLL. **other id:** Q 26613-A. Cultivar. Tuber.

PI 527927 **origin:** Norway. **cultivar:** RUTT. **other id:** Q 26614-A. Cultivar. Tuber.

PI 527928 **origin:** Norway. **cultivar:** SNOGG. **other id:** Q 26615-A. Cultivar. Tuber.

PI 527929. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** Potato Research Inst. A. Cartofului, 2200-Brav-Fundaturii-2, Romania. Received December 01, 1986.

**origin:** Romania. **cultivar:** SUPER. **other id:** Q 25929-C1.  
**disease resistance:** Some to late blight. Cultivar. Tuber.

PI 527930 to 527932. *Cicer echinospermum* P. Davis FABACEAE

**Donated by:** Kaiser, W.J., Western Regional P.I. Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington, United States. **remarks:** 1985 USDA-ARS sponsored plant exploration in Turkey. Received December 8, 1988.

PI 527930 **donor id:** 070785-0701a. **origin:** Turkey. **collected:** July 7, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Red rocky soil, with boulders, at edge of melon field, on top of grade, leading out of Siverek on south side of road, 26km E of Siverek, on road to Diyarbakir, Urfa Province. **elevation:** 790m. **remarks:** Plants 12-15cm tall. Pods 2-3, glabrous. Wild. Seed.

PI 527931 **donor id:** 070785-0701b. **origin:** Turkey. **collected:** July 7, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Red rocky soil with boulders at edge of melon field, on top of grade, leading out of Siverek on south side of road, 26km E of Siverek, on road to Diyarbakir, Urfa Province. **elevation:** 790m. **remarks:** Plants 12-15cm tall. Pods 2-3, glabrous. Wild. Seed.



PI 527930 to 527932-continued

PI 527932 **donor id:** 090785-0302. **origin:** Turkey. **collected:** July 9, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Among large rocks, General Directorate of State Roads park at Karacadag (Karayollari park), 42km W of Diyarbakir on the Diyarbakir to Siverek road. **elevation:** 1250m. **remarks:** Pods dried, glabrous. Seeds dark brown-gray, echinate. Wild. Seed.

PI 527933. *Avena sativa* L. POACEAE Common oat

**Donated by:** Brinkman, M.A., Dept. of Agronomy, University of Wisconsin-Madison, 1575 Lindly Drive, Madison, Wisconsin, United States. Received February 26, 1989.

**donor id:** SN404. **origin:** United States. **cultivar:** ENSILER. **pedigree:** Otee/X2286-2. **remarks:** Plant height 0.7m. Forage yield high, quality average. Seed weight above average. Crude protein of forage 13.4%, yield high. Acid detergent fiber and neutral detergent fiber high. Susceptible to stem rust (*Puccinia graminis*). **disease resistance:** Crown (leaf) rust (*Puccinia coronata*). Loose smut (*Ustilago avenae*). Covered smut (*Ustilago kolleri*). Annual. Cultivar. Seed.

PI 527934. *Cicer reticulatum* Ladiz. FABACEAE

**Donated by:** Kaiser, W.J.;, Western Regional P.I. Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington, United States. **remarks:** 1985 USDA-ARS sponsored plant exploration in Turkey. Received December 08, 1988.

**donor id:** 060785-0804D. **origin:** Turkey. **collected:** July 6, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Adiyaman Province. **elevation:** 605m. **remarks:** Single seed, small, green and spiny (rough). Wild. Seed.

PI 527935 to 527946. *Lens culinaris* Medikus FABACEAE Lentil

**Donated by:** Kaiser, W.J., Western Regional P.I. Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington, United States. **remarks:** 1985 USDA-ARS sponsored plant exploration in Turkey. Received December 08, 1988.

PI 527935 **donor id:** 290685-0401. **origin:** Turkey. **collected:** June 29, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Threshing area, red rocky soil, 16km N of Yayladagi, on road to Antakya. **elevation:** 990m. Cultivated. Seed.

PI 527935 to 527946-continued

- PI 527936 donor id: 290685-0603. origin: Turkey. collected: June 29, 1985. collector: W.J. Kaiser, F.J. Muehlbauer. locality: Threshing area, along roadside, 2km N of Senkoy turnoff on road to Antakya. elevation: 715m. remarks: Seeds large, yellow and red. Cultivated. Seed.
- PI 527937 donor id: 300685-0703L. origin: Turkey. collected: June 30, 1985. collector: W.J. Kaiser, F.J. Muehlbauer. locality: In piles in field, clay soil, 19km N of Kilis on road to Gaziantep. elevation: 700m. remarks: Kabuli and some desi types. Cultivated. Seed.
- PI 527938 donor id: 010785-0501L. origin: Turkey. collected: July 1, 1985. collector: W.J. Kaiser, F.J. Muehlbauer. locality: Threshing pile, Saylakkaya village, 7km N of Halfeti on east side of Firat. remarks: Cotyledens red, medium size. Cultivated. Seed.
- PI 527939 donor id: 050785-0201L. origin: Turkey. collected: July 5, 1985. collector: W.J. Kaiser, F.J. Muehlbauer. locality: Harvested piles, 3km after village of Birecik, direction Samsat, Adiyaman Province. elevation: 510m. remarks: Seeds small, white, Kabuli type. Cultivated. Seed.
- PI 527940 donor id: 050785-0303LB. origin: Turkey. collected: July 5, 1985. collector: W.J. Kaiser, F.J. Muehlbauer. locality: In piles in field, Seithbulak village, Adiyaman Province. elevation: 390m. remarks: Mixed types, some evidence of Kabuli-desi introgression. Spring planted. Cultivated. Seed.
- PI 527941 donor id: 050785-0303LR. origin: Turkey. collected: July 5, 1985. collector: W.J. Kaiser, F.J. Muehlbauer. locality: In piles in field, Seithbulak village, Adiyaman Province. elevation: 390m. remarks: Mixed types, some evidence of Kabuli-desi introgression. Spring planted. Cultivated. Seed.
- PI 527942 donor id: 060785-0703L. origin: Turkey. collected: July 6, 1985. collector: W.J. Kaiser, F.J. Muehlbauer. locality: Oluklu village, near Kahta, Adiyaman Province. elevation: 560m. Cultivated. Seed.
- PI 527943 donor id: 060785-0902L. origin: Turkey. collected: July 6, 1985. collector: W.J. Kaiser, F.J. Muehlbauer. locality: Eskitas village, Adiyaman Province. elevation: 610m. remarks: Seeds small, white, some desi, some rough. Cultivated. Seed.

PI 527935 to 527946-continued

PI 527944 **donor id:** 100785-0101L. **origin:** Turkey. **collected:** July 10, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** In piles near Diyarbakir, 72km to Silvan. **elevation:** 740m. **remarks:** Plants short upright. Seeds white, rough, medium size. Cultivated. Seed.

PI 527945 **donor id:** 100785-0601L. **origin:** Turkey. **collected:** July 10, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Farmers field, on brown rocky soil, Bagdere village, 26km to Silvan on the Diyarbakir-Silvan road, Diyarbakir Province. **elevation:** 780m. **remarks:** Seeds mixed type, mostly rough skinned kabuli, some intermediates. Cultivated. Seed.

PI 527946 **donor id:** 110785-0501L. **origin:** Turkey. **collected:** July 11, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Toward Elazig, 22km after Maden. **elevation:** 1205m. **remarks:** Seeds mostly large, white, rough, some small, smooth. Cultivated. Seed.

PI 527947 to 527948. *Vicia* sp. FABACEAE

**Donated by:** Kaiser, W.J., Western Regional P.I. Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington, United States. **remarks:** 1985 USDA-ARS sponsored plant exploration in Turkey. Received December 08, 1988.

PI 527947 **donor id:** 290685-0101. **origin:** Turkey. **collected:** June 29, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Road to Yadlagi, 4km south of Samandag, Hatay Province. **elevation:** 380m. Cultivated. Seed.

PI 527948 **donor id:** 290685-0604. **origin:** Turkey. **collected:** June 29, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Roadside, 2km N of Senkoy turnoff on road to Antakaya, Antakya Province. **elevation:** 715m. **remarks:** Plants short. Seeds medium size. Cultivated. Seed.

PI 527949 to 527965. *Phaseolus vulgaris* L. FABACEAE Garden bean

**Donated by:** Kaiser, W.J., Western Regional P.I. Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington, United States. **remarks:** 1985 USDA-ARS sponsored plant exploration in Turkey. Received December 08, 1988.

PI 527949 **donor id:** 280685-0101. **origin:** Turkey. **collected:** June 28, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Towards Iskandurun, 22km after Gaziantep - Iskandurum intersection. **elevation:** 90m. **remarks:** Bush, snap type. Seeds black. Cultivated. Seed.

PI 527949 to 527965-continued

- PI 527950 **donor id:** 280685-0102. **origin:** Turkey. **collected:** June 28, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Towards Iskandurun, 22km after Gaziantep - Iskandurum intersection. **elevation:** 90m. **remarks:** Viny climbing pole type. Seeds white. Cultivated. Seed.
- PI 527951 **donor id:** 300685-0101. **origin:** Turkey. **local name:** Antakya drybean. **collected:** June 30, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Threshing site in Reyhanli, near Antakaya. **elevation:** 255m. **remarks:** Bush type. Seeds white, medium size. Cultivated. Seed.
- PI 527952 **donor id:** 300685-0201. **origin:** Turkey. **local name:** Karagekirdek. **collected:** June 30, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Towards Hassa, 14km after Kirkhas. **elevation:** 30m. **remarks:** Short, bush type. Seeds black, medium size. Cultivated. Seed.
- PI 527953 **donor id:** 300685-0202. **origin:** Turkey. **local name:** Karagekirdek. **collected:** June 30, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Towards Hassa, 20km after Kirkhas. **elevation:** 280m. **remarks:** Bush type. Seeds small, black. Selected by local farmers. Reportedly grown extensively for 50 years. Cultivated. Seed.
- PI 527954 **donor id:** 160785-0402. **origin:** Turkey. **collected:** July 16, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Storage, Gocu village, 14km to Beysehir from Konya. **elevation:** 1100m. **remarks:** Bush type. Seeds white, small, flat. Few brown seeded types. Used as a dry or green bean. Cultivated. Seed.
- PI 527955 **donor id:** 180785-0503. **origin:** Turkey. **collected:** July 18, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Storage, Ayridam village, Yozgat Province. **elevation:** 1100m. Cultivated. Seed.
- PI 527956 **donor id:** 200785-0301. **origin:** Turkey. **collected:** July 20, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Storage, Selimiye village, 29km after Merzifon, towards Corum, Amasya Province. **elevation:** 950m. **remarks:** Seeds tan and variegated brown. Cultivated. Seed.
- PI 527957 **donor id:** 200785-0302. **origin:** Turkey. **collected:** July 20, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Storage, Selimiye village, 29km after Merzifon, towards Corum, Amasya Province. **elevation:** 950m. **remarks:** Seeds tan with brown striations. Cultivated. Seed.

PI 527949 to 527965-continued

- PI 527958 **donor id:** 200785-0303. **origin:** Turkey. **collected:** July 20, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Storage, Selimiye village, 29km after Merzifon, towards Corum, Amasya Province. **elevation:** 950m. **remarks:** Seeds medium, flat, white. Cultivated. Seed.
- PI 527959 **donor id:** 200785-0305. **origin:** Turkey. **collected:** July 20, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Storage, Selimiye village, 29km after Merzifon, towards Corum, Amasya Province. **elevation:** 950m. **remarks:** Bush snap type. Maturity early, 40 days. Seeds tan. Cultivated. Seed.
- PI 527960 **donor id:** 200785-0401. **origin:** Turkey. **collected:** July 20, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Yesiltepe village, 32km after Merzifon on way to Corum, Amasya Province. **elevation:** 1050m. **remarks:** Maturity early, mixed types. Bush white-seeded type. Climbing black-seeded type. Some seeds tan variegated. Cultivated. Seed.
- PI 527961 **donor id:** 200785-0402. **origin:** Turkey. **collected:** July 20, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Yesiltepe village, 32km after Merzifon on way to Corum, Amasya Province. **elevation:** 1050m. **remarks:** Bush type. Seeds tan and brown variegated. Cultivated. Seed.
- PI 527962 **donor id:** 240785-13. **origin:** Turkey. **collected:** July 24, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Farmer's garden, village of Karahoyuk, 36km from Yesilova on road to Denizli. **elevation:** 870m. Cultivated. Seed.
- PI 527963 **donor id:** 280785-0405. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Seed store in Guvemalan village, 34km from Gonen on road to Biga, Canakkale Province. **elevation:** 50m. **remarks:** Beans large, white. Cultivated. Seed.
- PI 527964 **donor id:** 280785-0503. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Seed store. Goktepe village, on road to Canakkale, 12km after Biga, Canakkale Province. **elevation:** 80m. **remarks:** Seeds white. Some damage from bruchids. Cultivated. Seed.

PI 527949 to 527965-continued

PI 527965 **donor id:** 280785-0602. **origin:** Turkey. **collected:** July 28, 1985. **collector:** W.J. Kaiser, F.J. Muehlbauer. **locality:** Brown rocky soil, 25km to Lapseki on road from Biga, Canakkale Province. **elevation:** 60m. **remarks:** Plants viney. Seeds small-medium white. Cultivated. Seed.

PI 527966 to 527972. *Hordeum vulgare* L. POACEAE Barley

**Donated by:** Nickerson RPB Limited, Joseph Nickerson Research Centre, Rothwell, Lincoln LN76DT, England, United Kingdom. Received .

PI 527966 **origin:** United Kingdom. **cultivar:** CHEF. **pedigree:** Cytris/Carnwal. **remarks:** Malting quality good. Spring Annual. Cultivar. Seed.

PI 527967 **origin:** United Kingdom. **cultivar:** JOLINE. **pedigree:** Klaxon/RPB 77-713. Spring Annual. Cultivar. Seed.

PI 527968 **origin:** United Kingdom. **cultivar:** OASIS. **pedigree:** RBP 78-50/Golf. Spring Annual. Cultivar. Seed.

PI 527969 **origin:** United Kingdom. **cultivar:** OBOE. **pedigree:** Klaxon/Hockey. Spring Annual. Cultivar. Seed.

PI 527970 **donor id:** NB 97-5. **origin:** Nepal. **remarks:** Landrace, naked, six rowed type. Spring Annual. Cultivated. Seed.

PI 527971 **donor id:** NB 103. **origin:** Nepal. **remarks:** Landrace, naked, six rowed type. Spring Annual. Cultivated. Seed.

PI 527972 **donor id:** RPB-76-826. **origin:** United Kingdom. **pedigree:** RPB 16-71/Luke. **disease resistance:** Rhynchosporium. Spring Annual. Cultivated. Seed.

PI 527973 to 527981. *Solanum tuberosum* L. SOLANACEAE Potato

**Donated by:** International Potato Center, P.O. Box 5969, Lima, Peru. Received September 22, 1987.

PI 527973 **donor id:** CIP 377957.5. **origin:** Peru. **cultivar:** LT-5. **pedigree:** Snowflake(tbr)/N.551.12(neotbr). **other id:** Q 26946-A. **remarks:** Adapted to long and short day, especially short day with night temperatures over 20 deg. C. Dry matter 21.9%, with heat stress 16%. Susceptible to PLRV, PVX, PVY. **disease resistance:** High to blackwart. Cultivar. Tissue Culture.

PI 527973 to 527981-continued

- PI 527974 **donor id:** CIP 378017.2. **origin:** Peru. **cultivar:** LT-7. **other id:** Q 26947-A. **remarks:** Adapted to long and short days, especially short days with high temperatures over 20 deg. C. Excellent male parent with good combining abilities. Used extensively in variety and TPS breeding programs. Dry matter 20.7%. Low reducing sugars. Susceptible to PLRV, PVY, PVX. Cultivar. Tissue Culture.
- PI 527975 **donor id:** CIP 676005. **origin:** Mexico. **cultivar:** CFS.69.1. **pedigree:** Loman/US109.3. **other id:** Q 26948-A. **remarks:** Dry matter 21.4%. Susceptible to PVX, PLRV, cyst and root-knot nematodes. Useful level of hypersensitivity to PVY. **disease resistance:** Late blight. Early blight in Brazil. High to blackwart. Cultivar. Tissue Culture.
- PI 527976 **donor id:** CIP 703252. **origin:** Chile. **cultivar:** CLAVELA. **other id:** Q 26950-A. **remarks:** Native. Donated by INIA, Chile. Previously major variety in Chiloe area, replaced by modern varieties. Susceptible to blackwart, late blight, bacterial wilt, PLRV, PVX, PVY, cyst and root-knot nematodes. Cultivar. Tissue Culture.
- PI 527977 **donor id:** CIP 703254. **origin:** Chile. **cultivar:** LOW BAY. **collector:** C. Ochoa. **collector id:** OCH 2699. **other id:** Q 26951-A. **locality:** Los Chonos, Guytica Island. **remarks:** C. Ochoa claims original "Darwin Potato". **disease resistance:** Horizontal resistance to late blight (unconfirmed). Cultivar. Tissue Culture.
- PI 527978 **donor id:** CIP 720086. **origin:** Guatemala. **cultivar:** LOMAN. **other id:** Q 26952-A. **remarks:** Long white type. Deforms easily. Susceptible to PLRV, cyst and root-knot nematodes. **disease resistance:** PVX, hypersensitive to PVY. Cultivar. Tissue Culture.
- PI 527979 **donor id:** CIP 720109. **origin:** Brazil. **cultivar:** SANTO AMOR.. **pedigree:** Kansuragis/Baronesa. **other id:** Q 26954-A. **remarks:** Limited use as variety in Pelotas area. Very early maturity under short days. Dry matter 16.8%. Susceptible to PVX. **disease resistance:** PVY, PLRV (unconfirmed). Cultivar. Tissue Culture.
- PI 527980 **donor id:** CIP 720111. **origin:** Brazil. **cultivar:** ARACY. **pedigree:** Katahdin/Profyt. **other id:** Q 26955-A. **remarks:** Adapted to long and short days. Bred in southern Brazil. Minor variety. Dry matter 22.2%. **disease resistance:** High to early blight in Brazil, PVX, PVY. Moderate to PLRV. Cultivar. Tissue Culture.

PI 527973 to 527981-continued

PI 527981 **donor id:** CIP 720140. **origin:** Argentina. **cultivar:** PRIMICIA INTA. **pedigree:** Feldeslohn//Merrimack/Huinkul. **other id:** Q 26956-A. **remarks:** Bred by INTA. Minor variety. Dry matter 17.8%. Susceptible to PVY, PVX, cyst and root-knot nematodes. **disease resistance:** PLRV (unconfirmed). Cultivar. Tissue Culture.

PI 527982. *Solanum tuberosum* subsp. *andigena* Hawkes SOLANACEAE Potato

**Donated by:** International Potato Center, P.O. Box 5969, Lima, Peru. Received September 22, 1987.

**donor id:** CIP 702867. **origin:** Peru. **collector id:** LOP-881. **other id:** Q 26949-A. **locality:** Moho, Huancane Province, Dept. of Puno. **elevation:** 3850m. **remarks:** Unusually high yield of over 50 metric tons per ha in southern Chile. Susceptible to PVX, blackwart, bacterial wilt, *Erwinia softrot*, *Globodera* ssp. root-knot nematodes, *Verticillium*, *Alternaria*. **disease resistance:** Late blight, moderate to PLRV. Good level of hypersensitivity to PVY. **received as:** *S. andigena*. Cultivated. Tissue Culture.

PI 527983. *Solanum vernei* Bitter & Wittm. ex Engl. SOLANACEAE

**Donated by:** International Potato Center, P.O. Box 5969, Lima, Peru. Received September 22, 1987.

**donor id:** CIP 800290. **origin:** Germany, Federal Rep of. **other id:** Q 26957-A. **other id:** GLKS.1642.4. **remarks:** Differential for cyst nematode race classification. Should be used in conjunction with other differentials. 2n=48. Breeding Material. Tissue Culture.

PI 527984. *Solanum tarijense* Hawkes SOLANACEAE Potato

**Donated by:** Ochoa, C.M., International Potato Center, P.O. Box 5969, Lima, Peru. Received November 1978.

**donor id:** OCH-11993. **origin:** Bolivia. **other id:** Q 21480-A5. **other id:** CIP 761005. **locality:** Tolomoza, Dept. of Tonoja. **elevation:** 1920m. Wild. Tissue Culture.



PI 527985 to 528118. *Gossypium barbadense* L. MALVACEAE Sea-island cotton

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Arizona AS Collection - *Gossypium barbadense* Numbered February 1989. Received February 1989.

- PI 527985 **origin:** Martinique. **other id:** AZAS 13. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527986 **origin:** Martinique. **other id:** AZAS 22. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527987 **origin:** Martinique. **other id:** AZAS 23. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527988 **origin:** Martinique. **other id:** AZAS 24. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527989 **origin:** Martinique. **other id:** AZAS 25. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527990 **origin:** Martinique. **other id:** AZAS 26. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527991 **origin:** Martinique. **other id:** AZAS 33. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527992 **origin:** Martinique. **other id:** AZAS 34. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527993 **origin:** Martinique. **other id:** AZAS 35. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527994 **origin:** Dominican Republic. **other id:** AZAS 86. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527995 **origin:** Dominican Republic. **other id:** AZAS 90. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527996 **origin:** Haiti. **other id:** AZAS 121. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527997 **origin:** Haiti. **other id:** AZAS 131. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527998 **origin:** French West Indies. **other id:** AZAS 138. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.
- PI 527999 **origin:** French West Indies. **other id:** AZAS 142. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 527985 to 528118-continued

PI 528000 **origin:** French West Indies. **other id:** AZAS 143. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528001 **origin:** French West Indies. **other id:** AZAS 152. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528002 **origin:** Guadeloupe. **other id:** AZAS 194. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528003 **origin:** Guadeloupe. **other id:** AZAS 201. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528004 **origin:** Guadeloupe. **other id:** AZAS 205. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528005 **origin:** French Guiana. **other id:** AZAS 229. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528006 **origin:** French Guiana. **other id:** AZAS 230. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528007 **origin:** French Guiana. **other id:** AZAS 231. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528008 **origin:** French Guiana. **other id:** AZAS 233. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528009 **origin:** French Guiana. **other id:** AZAS 234. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528010 **origin:** French Guiana. **other id:** AZAS 235. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528011 **origin:** French Guiana. **other id:** AZAS 236. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528012 **origin:** French Guiana. **other id:** AZAS 238. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528013 **origin:** French Guiana. **other id:** AZAS 240. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528014 **origin:** French Guiana. **other id:** AZAS 242. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528015 **origin:** French Guiana. **other id:** AZAS 243. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 528016 **origin:** French Guiana. **other id:** AZAS 244. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1980.

PI 527985 to 528118-continued

PI 528017 origin: French Guiana. other id: AZAS 247. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528018 origin: French Guiana. other id: AZAS 248. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528019 origin: French Guiana. other id: AZAS 250. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528020 origin: French Guiana. other id: AZAS 254. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528021 origin: French Guiana. other id: AZAS 255. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528022 origin: French Guiana. other id: AZAS 257. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528023 origin: French Guiana. other id: AZAS 260. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528024 origin: French Guiana. other id: AZAS 261. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528025 origin: French Guiana. other id: AZAS 262. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528026 origin: French Guiana. other id: AZAS 263. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528027 origin: French Guiana. other id: AZAS 265. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528028 origin: French Guiana. other id: AZAS 266. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528029 origin: French Guiana. other id: AZAS 267. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528030 origin: French Guiana. other id: AZAS 269. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528031 origin: French Guiana. other id: AZAS 270. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528032 origin: French Guiana. other id: AZAS 272. source:  
Arizona AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 528033 origin: Guadeloupe. other id: AZAS 289. source: Arizona  
AS Collection. remarks: IRCT, UN-FA0, 1980.

PI 527985 to 528118-continued

- PI 528034 origin: Guadeloupe. other id: AZAS 294. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1980.
- PI 528035 origin: Guadeloupe. other id: AZAS 299. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1980.
- PI 528036 origin: Venezuela. other id: AZAS 364. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528037 origin: Colombia. other id: AZAS 403. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528038 origin: Colombia. other id: AZAS 404. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528039 origin: Colombia. other id: AZAS 405. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528040 origin: Colombia. other id: AZAS 411. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528041 origin: Colombia. other id: AZAS 421. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528042 origin: Colombia. other id: AZAS 441. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528043 origin: Colombia. other id: AZAS 442. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528044 origin: Colombia. other id: AZAS 443. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528045 origin: Colombia. other id: AZAS 445. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528046 origin: Colombia. other id: AZAS 448. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528047 origin: Colombia. other id: AZAS 450. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528048 origin: Colombia. other id: AZAS 457. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528049 origin: Colombia. other id: AZAS 463. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528050 origin: Colombia. other id: AZAS 475. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 527985 to 528118-continued

- PI 528051 origin: Colombia. other id: AZAS 478. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528052 origin: Colombia. other id: AZAS 486. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528053 origin: Colombia. other id: AZAS 488. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528054 origin: Peru. other id: AZAS 501. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528055 origin: Peru. other id: AZAS 502. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528056 origin: Peru. other id: AZAS 504. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528057 origin: Peru. other id: AZAS 505. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528058 origin: Peru. other id: AZAS 506. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528059 origin: Peru. other id: AZAS 507. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528060 origin: Peru. other id: AZAS 508. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528061 origin: Peru. other id: AZAS 510. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528062 origin: Peru. other id: AZAS 511. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528063 origin: Peru. other id: AZAS 513. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528064 origin: Peru. other id: AZAS 514. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528065 origin: Peru. other id: AZAS 515. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528066 origin: Peru. other id: AZAS 516. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.
- PI 528067 origin: Peru. other id: AZAS 517. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 527985 to 528118-continued

PI 528068 origin: Peru. other id: AZAS 518. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528069 origin: Peru. other id: AZAS 519. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528070 origin: Peru. other id: AZAS 520. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528071 origin: Peru. other id: AZAS 521. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528072 origin: Peru. other id: AZAS 522. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528073 origin: Peru. other id: AZAS 523. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528074 origin: Peru. other id: AZAS 524. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528075 origin: Peru. other id: AZAS 525. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528076 origin: Peru. other id: AZAS 528. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528077 origin: Peru. other id: AZAS 529. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528078 origin: Peru. other id: AZAS 532. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528079 origin: Peru. other id: AZAS 533. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528080 origin: Peru. other id: AZAS 534. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528081 origin: Peru. other id: AZAS 535. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528082 origin: Peru. other id: AZAS 541. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528083 origin: Peru. other id: AZAS 542. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 528084 origin: Peru. other id: AZAS 544. source: Arizona AS Collection. remarks: IRCT, UN-FAO, 1981.

PI 527985 to 528118-continued

- PI 528085 **origin:** Peru. **other id:** AZAS 547. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1981.
- PI 528086 **origin:** Peru. **other id:** AZAS 550. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1981.
- PI 528087 **origin:** Peru. **other id:** AZAS 553. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1981.
- PI 528088 **origin:** Peru. **other id:** AZAS 554. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1981.
- PI 528089 **origin:** Mexico. **other id:** AZAS 611. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528090 **origin:** Mexico. **other id:** AZAS 621. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528091 **origin:** Guadeloupe. **other id:** AZAS 712. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528092 **origin:** Guadeloupe. **other id:** AZAS 713. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528093 **origin:** French West Indies. **other id:** AZAS 721. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528094 **origin:** French West Indies. **other id:** AZAS 724. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528095 **origin:** French West Indies. **other id:** AZAS 726. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528096 **origin:** French West Indies. **other id:** AZAS 728. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528097 **origin:** French West Indies. **other id:** AZAS 729. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528098 **origin:** French West Indies. **other id:** AZAS 731. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528099 **origin:** French West Indies. **other id:** AZAS 739. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528100 **origin:** French West Indies. **other id:** AZAS 750. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528101 **origin:** French West Indies. **other id:** AZAS 751. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.

PI 527985 to 528118-continued

- PI 528102 **origin:** French West Indies. **other id:** AZAS 752. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528103 **origin:** French West Indies. **other id:** AZAS 753. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528104 **origin:** French West Indies. **other id:** AZAS 754. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528105 **origin:** French West Indies. **other id:** AZAS 755. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528106 **origin:** French West Indies. **other id:** AZAS 757. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528107 **origin:** Haiti. **other id:** AZAS 759. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528108 **origin:** French West Indies. **other id:** AZAS 769. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528109 **origin:** French West Indies. **other id:** AZAS 770. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, 1982.
- PI 528110 **origin:** Ecuador. **other id:** AZAS 802. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, USDA, 1983.
- PI 528111 **origin:** Ecuador. **other id:** AZAS 807. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, USDA, 1983.
- PI 528112 **origin:** Ecuador. **other id:** AZAS 808. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, USDA, 1983.
- PI 528113 **origin:** Ecuador. **other id:** AZAS 811. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, USDA, 1983.
- PI 528114 **origin:** Ecuador. **other id:** AZAS 816. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, USDA, 1983.
- PI 528115 **origin:** Ecuador. **other id:** AZAS 823. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, USDA, 1983.
- PI 528116 **origin:** Ecuador. **other id:** AZAS 826. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, USDA, 1983.
- PI 528117 **origin:** Ecuador. **other id:** AZAS 827. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, USDA, 1983.
- PI 528118 **origin:** Ecuador. **other id:** AZAS 830. **source:** Arizona AS Collection. **remarks:** IRCT, UN-FAO, USDA, 1983.



PI 528119 to 528304. *Gossypium barbadense* L. MALVACEAE Sea-island  
cotton

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box  
DN, College Station, Texas, United States. **remarks:** Arizona B  
Collection - *Gossypium barbadense* Numbered February 1989. Received  
February 1989.

- PI 528119 **origin:** Trinidad and Tobago. **other id:** AZB 31. **source:**  
Arizona B Collection. **remarks:** S. G. STEPHENS.
- PI 528120 **origin:** St Lucia. **other id:** AZB 51. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.
- PI 528121 **origin:** St Lucia. **other id:** AZB 53. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.
- PI 528122 **origin:** St Lucia. **other id:** AZB 54. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.
- PI 528123 **origin:** Martinique. **other id:** AZB 55. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.
- PI 528124 **origin:** Martinique. **other id:** AZB 56. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.
- PI 528125 **origin:** Guadeloupe. **other id:** AZB 62. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.
- PI 528126 **origin:** Guadeloupe. **other id:** AZB 64. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.
- PI 528127 **origin:** Guadeloupe. **other id:** AZB 65. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.
- PI 528128 **origin:** Guadeloupe. **other id:** AZB 66. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.
- PI 528129 **origin:** Guadeloupe. **other id:** AZB 68. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.
- PI 528130 **origin:** Guadeloupe. **other id:** AZB 73. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.
- PI 528131 **origin:** Dominican Republic. **other id:** AZB 106. **source:**  
Arizona B Collection. **remarks:** S. G. STEPHENS.
- PI 528132 **origin:** Dominican Republic. **other id:** AZB 107. **source:**  
Arizona B Collection. **remarks:** S. G. STEPHENS.
- PI 528133 **origin:** Haiti. **other id:** AZB 117. **source:** Arizona B  
Collection. **remarks:** S. G. STEPHENS.

PI 528119 to 528304-continued

PI 528134 origin: Haiti. other id: AZB 125. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528135 origin: Haiti. other id: AZB 128. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528136 origin: Cuba. other id: AZB 131. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528137 origin: Cuba. other id: AZB 139. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528138 origin: Bermuda. other id: AZB 170. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528139 origin: Bermuda. other id: AZB 171. source: Arizona B Collection. remarks: D. MENZEL.

PI 528140 origin: UNKNOWN. other id: AZB 315. source: Arizona B Collection. remarks: REYNALDES.

PI 528141 origin: UNKNOWN. other id: AZB 316. source: Arizona B Collection. remarks: REYNALDES.

PI 528142 origin: Ecuador. other id: AZB 321. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528143 origin: Ecuador. other id: AZB 322. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528144 origin: Ecuador. other id: AZB 324. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528145 origin: Ecuador. other id: AZB 327. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528146 origin: Ecuador. other id: AZB 329. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528147 origin: Ecuador. other id: AZB 330. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528148 origin: Ecuador. other id: AZB 331. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528149 origin: Ecuador. other id: AZB 332. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528150 origin: Ecuador. other id: AZB 333. source: Arizona B Collection. remarks: S. G. STEPHENS.

PI 528119 to 528304-continued

PI 528151 origin: Ecuador. other id: AZB 334. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528152 origin: Ecuador. other id: AZB 336. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528153 origin: Ecuador. other id: AZB 337. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528154 origin: Ecuador. other id: AZB 338. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528155 origin: Ecuador. other id: AZB 339. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528156 origin: Ecuador. other id: AZB 340. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528157 origin: Ecuador. other id: AZB 341. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528158 origin: Ecuador. other id: AZB 342. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528159 origin: Ecuador. other id: AZB 343. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528160 origin: Ecuador. other id: AZB 344. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528161 origin: Ecuador. other id: AZB 345. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528162 origin: Ecuador. other id: AZB 346. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528163 origin: Ecuador. other id: AZB 347. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528164 origin: Peru. other id: AZB 350. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528165 origin: Peru. other id: AZB 351. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528166 origin: Peru. other id: AZB 352. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528167 origin: Peru. other id: AZB 353. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528119 to 528304-continued

PI 528168 origin: Peru. other id: AZB 354. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528169 origin: Peru. other id: AZB 355. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528170 origin: Peru. other id: AZB 356. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528171 origin: Peru. other id: AZB 357. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528172 origin: Peru. other id: AZB 358. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528173 origin: Peru. other id: AZB 359. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528174 origin: Peru. other id: AZB 360. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528175 origin: Peru. other id: AZB 366. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528176 origin: Peru. other id: AZB 367. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528177 origin: Peru. other id: AZB 368. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528178 origin: Peru. other id: AZB 370. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528179 origin: Peru. other id: AZB 373. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528180 origin: Peru. other id: AZB 374. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528181 origin: Peru. other id: AZB 375. source: Arizona B  
Collection. remarks: CLAUS RAVEN.

PI 528182 origin: Peru. other id: AZB 376. source: Arizona B  
Collection. remarks: CLAUS RAVEN.

PI 528183 origin: Peru. other id: AZB 377. source: Arizona B  
Collection. remarks: CLAUS RAVEN.

PI 528184 origin: Surinam. other id: AZB 379. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528119 to 528304-continued

PI 528185 origin: Surinam. other id: AZB 380. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528186 origin: Surinam. other id: AZB 381. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528187 origin: Surinam. other id: AZB 384. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528188 origin: Surinam. other id: AZB 385. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528189 origin: Bolivia. other id: AZB 402. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528190 origin: Bolivia. other id: AZB 403. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528191 origin: Bolivia. other id: AZB 404. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528192 origin: Bolivia. other id: AZB 405. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528193 origin: Bolivia. other id: AZB 406. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528194 origin: Bolivia. other id: AZB 407. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528195 origin: Bolivia. other id: AZB 408. source: Arizona B  
Collection. remarks: S. G. STEPHENS.

PI 528196 origin: Brazil. other id: AZB 409. source: Arizona B  
Collection. remarks: COLE, 1969.

PI 528197 origin: Brazil. other id: AZB 410. source: Arizona B  
Collection. remarks: COLE, 1969.

PI 528198 origin: Peru. other id: AZB 412. source: Arizona B  
Collection. remarks: R. BIRD, 1966.

PI 528199 origin: Peru. other id: AZB 413. source: Arizona B  
Collection. remarks: R. BIRD, 1966.

PI 528200 origin: Ecuador. other id: AZB 417. source: Arizona B  
Collection. remarks: C.M. RICK, 1970.

PI 528201 origin: Ecuador. other id: AZB 418. source: Arizona B  
Collection. remarks: C.M. RICK.

PI 528119 to 528304-continued

- PI 528202 **origin:** Ecuador. **other id:** AZB 419. **source:** Arizona B Collection. **remarks:** C.M. RICK.
- PI 528203 **origin:** Peru. **other id:** AZB 420. **source:** Arizona B Collection. **remarks:** C.M. RICK, 1970.
- PI 528204 **origin:** Peru. **other id:** AZB 421. **source:** Arizona B Collection. **remarks:** C.M. RICK.
- PI 528205 **origin:** Peru. **other id:** AZB 422. **source:** Arizona B Collection. **remarks:** C.M. RICK.
- PI 528206 **origin:** Peru. **other id:** AZB 423. **source:** Arizona B Collection. **remarks:** C.M. RICK.
- PI 528207 **origin:** Colombia. **other id:** AZB 424. **source:** Arizona B Collection. **remarks:** LUKEFAHR, 1971.
- PI 528208 **origin:** Colombia. **other id:** AZB 443. **source:** Arizona B Collection. **remarks:** A. CUJAR, 1971.
- PI 528209 **origin:** Colombia. **other id:** AZB 444. **source:** Arizona B Collection. **remarks:** R. ESPINAL, 1971.
- PI 528210 **origin:** Brazil. **other id:** AZB 448. **source:** Arizona B Collection. **remarks:** H. PORTER, 1971.
- PI 528211 **origin:** Peru. **other id:** AZB 451. **source:** Arizona B Collection. **remarks:** C.M. RICK, 1970.
- PI 528212 **origin:** Peru. **other id:** AZB 453. **source:** Arizona B Collection. **remarks:** C.M. RICK.
- PI 528213 **origin:** Peru. **other id:** AZB 454. **source:** Arizona B Collection. **remarks:** C.M. RICK.
- PI 528214 **origin:** UNKNOWN. **other id:** AZB 455. **source:** Arizona B Collection. **remarks:** S. G. STEPHENS.
- PI 528215 **origin:** Colombia. **other id:** AZB 456. **source:** Arizona B Collection.
- PI 528216 **origin:** Colombia. **other id:** AZB 457. **source:** Arizona B Collection.
- PI 528217 **origin:** Colombia. **other id:** AZB 458. **source:** Arizona B Collection.
- PI 528218 **origin:** Colombia. **other id:** AZB 460. **source:** Arizona B Collection. **remarks:** S. G. STEPHENS.

PI 528119 to 528304-continued

- PI 528219 origin: Colombia. other id: AZB 461. source: Arizona B Collection. remarks: S. G. STEPHENS.
- PI 528220 origin: Colombia. other id: AZB 471. source: Arizona B Collection. remarks: S. G. STEPHENS.
- PI 528221 origin: Colombia. other id: AZB 472. source: Arizona B Collection. remarks: S. G. STEPHENS.
- PI 528222 origin: Brazil. other id: AZB 474. source: Arizona B Collection. remarks: S. G. STEPHENS.
- PI 528223 origin: Brazil. other id: AZB 475. source: Arizona B Collection. remarks: S. G. STEPHENS.
- PI 528224 origin: Colombia. other id: AZB 476. source: Arizona B Collection. remarks: S. G. STEPHENS.
- PI 528225 origin: Colombia. other id: AZB 489. source: Arizona B Collection. remarks: SCHWERIN, 1971.
- PI 528226 origin: Colombia. other id: AZB 490. source: Arizona B Collection. remarks: SCHWERIN, 1971.
- PI 528227 origin: Dominica. other id: AZB 500. source: Arizona B Collection. remarks: TAYLOR.
- PI 528228 origin: Venezuela. other id: AZB 516. source: Arizona B Collection. remarks: BRUCHER, 1966S.
- PI 528229 origin: UNKNOWN. other id: AZB 569. source: Arizona B Collection.
- PI 528230 origin: Venezuela. other id: AZB 572. source: Arizona B Collection. remarks: S. G. STEPHENS.
- PI 528231 origin: Venezuela. other id: AZB 573. source: Arizona B Collection. remarks: BRUCHER, 1968.
- PI 528232 origin: Colombia. other id: AZB 601. source: Arizona B Collection. remarks: REICHEL-DOLMATOFF.
- PI 528233 origin: Colombia. other id: AZB 602. source: Arizona B Collection. remarks: REICHEL-DOLMATOFF.
- PI 528234 origin: Colombia. other id: AZB 603. source: Arizona B Collection. remarks: REICHEL-DOLMATOFF.
- PI 528235 origin: Colombia. other id: AZB 604. source: Arizona B Collection. remarks: BARKER.

PI 528119 to 528304-continued

PI 528236 origin: Brazil. other id: AZB 605. source: Arizona B  
Collection. remarks: POPE.

PI 528237 origin: Brazil. other id: AZB 607. source: Arizona B  
Collection. remarks: CAVALERI.

PI 528238 origin: Brazil. other id: AZB 608. source: Arizona B  
Collection. remarks: CAVALERI.

PI 528239 origin: Ecuador. other id: AZB 609. source: Arizona B  
Collection. remarks: COOK.

PI 528240 origin: Ecuador. other id: AZB 610. source: Arizona B  
Collection. remarks: C.M. RICK.

PI 528241 origin: Peru. other id: AZB 611. source: Arizona B  
Collection. remarks: NICHOLSON.

PI 528242 origin: Peru. other id: AZB 612. source: Arizona B  
Collection. remarks: C.M. RICK.

PI 528243 origin: Peru. other id: AZB 616. source: Arizona B  
Collection. remarks: GILES.

PI 528244 origin: Peru. other id: AZB 617. source: Arizona B  
Collection. remarks: GILES.

PI 528245 origin: Peru. other id: AZB 618. source: Arizona B  
Collection. remarks: GILES.

PI 528246 origin: Peru. other id: AZB 619. source: Arizona B  
Collection. remarks: GILES.

PI 528247 origin: Peru. other id: AZB 620. source: Arizona B  
Collection. remarks: GILES.

PI 528248 origin: UNKNOWN. other id: AZB 621. source: Arizona B  
Collection. remarks: GILES.

PI 528249 origin: UNKNOWN. other id: AZB 623. source: Arizona B  
Collection. remarks: GILES.

PI 528250 origin: UNKNOWN. other id: AZB 624. source: Arizona B  
Collection. remarks: GILES.

PI 528251 origin: UNKNOWN. other id: AZB 625. source: Arizona B  
Collection. remarks: GILES.

PI 528252 origin: UNKNOWN. other id: AZB 626. source: Arizona B  
Collection. remarks: GILES.



PI 528119 to 528304-continued

PI 528253 origin: UNKNOWN. other id: AZB 627. source: Arizona B Collection. remarks: GILES.

PI 528254 origin: Peru. other id: AZB 628. source: Arizona B Collection. remarks: GILES.

PI 528255 origin: Peru. other id: AZB 629. source: Arizona B Collection. remarks: GILES.

PI 528256 origin: Peru. other id: AZB 630. source: Arizona B Collection. remarks: GILES.

PI 528257 origin: UNKNOWN. other id: AZB 632. source: Arizona B Collection. remarks: GILES.

PI 528258 origin: Peru. other id: AZB 633. source: Arizona B Collection. remarks: GILES.

PI 528259 origin: Peru. other id: AZB 634. source: Arizona B Collection. remarks: GILES.

PI 528260 origin: Peru. other id: AZB 635. source: Arizona B Collection. remarks: GILES.

PI 528261 origin: Peru. other id: AZB 637. source: Arizona B Collection. remarks: GILES.

PI 528262 origin: UNKNOWN. other id: AZB 641. source: Arizona B Collection. remarks: GILES.

PI 528263 origin: UNKNOWN. other id: AZB 642. source: Arizona B Collection. remarks: GILES.

PI 528264 origin: UNKNOWN. other id: AZB 643. source: Arizona B Collection. remarks: GILES.

PI 528265 origin: UNKNOWN. other id: AZB 644. source: Arizona B Collection. remarks: GILES.

PI 528266 origin: Peru. other id: AZB 646. source: Arizona B Collection. remarks: GILES.

PI 528267 origin: Peru. other id: AZB 647. source: Arizona B Collection. remarks: GILES.

PI 528268 origin: Peru. other id: AZB 648. source: Arizona B Collection. remarks: GILES.

PI 528269 origin: Peru. other id: AZB 649. source: Arizona B Collection. remarks: GILES.

PI 528119 to 528304-continued

- PI 528270 **origin:** Brazil. **other id:** AZB 651. **source:** Arizona B Collection. **remarks:** S. G. STEPHENS.
- PI 528271 **origin:** Brazil. **other id:** AZB 652. **source:** Arizona B Collection. **remarks:** S. G. STEPHENS.
- PI 528272 **origin:** Brazil. **other id:** AZB 655. **source:** Arizona B Collection. **remarks:** S. G. STEPHENS.
- PI 528273 **origin:** Colombia. **other id:** AZB 671. **source:** Arizona B Collection. **remarks:** D. M. PORTER.
- PI 528274 **origin:** Ecuador. **other id:** AZB 674. **source:** Arizona B Collection. **remarks:** S. G. STEPHENS, 196.
- PI 528275 **origin:** Peru. **other id:** AZB 675. **source:** Arizona B Collection. **remarks:** COMPTON, 1964.
- PI 528276 **origin:** Peru. **other id:** AZB 676. **source:** Arizona B Collection. **remarks:** R. L. LOVVERN, 1964.
- PI 528277 **origin:** Bolivia. **other id:** AZB 687. **source:** Arizona B Collection. **remarks:** D. TIMOTHY, 1977.
- PI 528278 **origin:** Brazil. **other id:** AZB 691. **source:** Arizona B Collection. **remarks:** GOODMAN, 1966.
- PI 528279 **origin:** Brazil. **other id:** AZB 693. **source:** Arizona B Collection. **remarks:** GOODMAN, 1966.
- PI 528280 **origin:** Brazil. **other id:** AZB 695. **source:** Arizona B Collection. **remarks:** GOODMAN, 1966.
- PI 528281 **origin:** Ecuador. **other id:** AZB 698. **source:** Arizona B Collection. **remarks:** R. I. BOWMAN, 1967.
- PI 528282 **origin:** Peru. **other id:** AZB 699. **source:** Arizona B Collection. **remarks:** T. MITCHELL, 1967.
- PI 528283 **origin:** Costa Rica. **other id:** AZB 718. **source:** Arizona B Collection. **remarks:** PORTER, 1964.
- PI 528284 **origin:** Mexico. **other id:** AZB 821. **source:** Arizona B Collection. **remarks:** LUKEFAHR, 1961.
- PI 528285 **origin:** Mexico. **other id:** AZB 825. **source:** Arizona B Collection. **remarks:** L. L. PHILLIPS, 196.
- PI 528286 **origin:** Mexico. **other id:** AZB 837. **source:** Arizona B Collection. **remarks:** L. L. PHILLIPS, 196.

PI 528119 to 528304-continued

- PI 528287 origin: United States. other id: AZB 903. source: Arizona B Collection. remarks: J. B. SMITH.
- PI 528288 origin: United States. other id: AZB 912. source: Arizona B Collection. remarks: PHILLIPS, 1961.
- PI 528289 origin: French Polynesia. other id: AZB 918. source: Arizona B Collection. remarks: GUADILLOT, 1962.
- PI 528290 origin: French Polynesia. other id: AZB 919. source: Arizona B Collection. remarks: C. GAUDILLOT, 1962.
- PI 528291 origin: French Polynesia. other id: AZB 922. source: Arizona B Collection. remarks: C. GAUDILLOT, 1962.
- PI 528292 origin: French Polynesia. other id: AZB 937. source: Arizona B Collection. remarks: M. MIIAUD.
- PI 528293 origin: Tonga. other id: AZB 939. source: Arizona B Collection. remarks: GAST, 1964.
- PI 528294 origin: Zaire. other id: AZB 1000. source: Arizona B Collection. remarks: WOUTERS.
- PI 528295 origin: Zaire. other id: AZB 1001. source: Arizona B Collection. remarks: WOUTERS.
- PI 528296 origin: Africa. other id: AZB 1002. source: Arizona B Collection. remarks: WILLIAMSON.
- PI 528297 origin: Central African Rep. other id: AZB 1003. source: Arizona B Collection. remarks: RICHMOND.
- PI 528298 origin: Malawi. other id: AZB 1008. source: Arizona B Collection. remarks: GILLHAM, 1962.
- PI 528299 origin: India. other id: AZB 1009. source: Arizona B Collection. remarks: HARDAS, 1963.
- PI 528300 origin: India. other id: AZB 1010. source: Arizona B Collection. remarks: HARDAS, 1963.
- PI 528301 origin: India. other id: AZB 1011. source: Arizona B Collection. remarks: HARDAS, 1963.
- PI 528302 origin: India. other id: AZB 1012. source: Arizona B Collection. remarks: HARDAS, 1963.
- PI 528303 origin: Philippines. other id: AZB 1020. source: Arizona B Collection. remarks: E. A. BARDENAS.

PI 528119 to 528304-continued

PI 528304 **origin:** South Africa. **other id:** AZB 1026. **source:**  
Arizona B Collection.

PI 528305 to 528417. *Gossypium barbadense* L. MALVACEAE Sea-island  
cotton

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box  
DN, College Station, Texas, United States. **remarks:** Arizona K  
Collection - *Gossypium barbadense* Numbered February 1989. Received  
February 1989.

PI 528305 **origin:** Haiti. **other id:** AZK 37. **source:** Arizona K  
Collection.

PI 528306 **origin:** Haiti. **other id:** AZK 38. **source:** Arizona K  
Collection.

PI 528307 **origin:** Dominican Republic. **other id:** AZK 39. **source:**  
Arizona K Collection.

PI 528308 **origin:** Dominican Republic. **other id:** AZK 40. **source:**  
Arizona K Collection.

PI 528309 **origin:** Guadeloupe. **other id:** AZK 42. **source:** Arizona K  
Collection.

PI 528310 **origin:** Guadeloupe. **other id:** AZK 43. **source:** Arizona K  
Collection.

PI 528311 **origin:** Guadeloupe. **other id:** AZK 44. **source:** Arizona K  
Collection.

PI 528312 **origin:** Guadeloupe. **other id:** AZK 45. **source:** Arizona K  
Collection.

PI 528313 **origin:** Guadeloupe. **other id:** AZK 46. **source:** Arizona K  
Collection.

PI 528314 **origin:** Martinique. **other id:** AZK 47. **source:** Arizona K  
Collection.

PI 528315 **origin:** Martinique. **other id:** AZK 48. **source:** Arizona K  
Collection.

PI 528316 **origin:** Dominica. **other id:** AZK 49. **source:** Arizona K  
Collection.

PI 528317 **origin:** St Lucia. **other id:** AZK 50. **source:** Arizona K  
Collection.

PI 528305 to 528417-continued

- PI 528318 **origin:** St Lucia. **other id:** AZK 51. **source:** Arizona K Collection.
- PI 528319 **origin:** St Lucia. **other id:** AZK 52. **source:** Arizona K Collection.
- PI 528320 **origin:** Ecuador. **other id:** AZK 65. **source:** Arizona K Collection.
- PI 528321 **origin:** Ecuador. **other id:** AZK 66. **source:** Arizona K Collection.
- PI 528322 **origin:** Ecuador. **other id:** AZK 67. **source:** Arizona K Collection.
- PI 528323 **origin:** Ecuador. **other id:** AZK 68. **source:** Arizona K Collection.
- PI 528324 **origin:** Ecuador. **other id:** AZK 71. **source:** Arizona K Collection.
- PI 528325 **origin:** Peru. **other id:** AZK 72. **source:** Arizona K Collection.
- PI 528326 **origin:** Peru. **other id:** AZK 75. **source:** Arizona K Collection.
- PI 528327 **origin:** Peru. **other id:** AZK 76. **source:** Arizona K Collection.
- PI 528328 **origin:** UNKNOWN. **other id:** AZK 77. **source:** Arizona K Collection.
- PI 528329 **origin:** Peru. **other id:** AZK 78. **source:** Arizona K Collection.
- PI 528330 **origin:** Peru. **other id:** AZK 79. **source:** Arizona K Collection.
- PI 528331 **origin:** Peru. **other id:** AZK 80. **source:** Arizona K Collection.
- PI 528332 **origin:** Peru. **other id:** AZK 82. **source:** Arizona K Collection.
- PI 528333 **origin:** Peru. **other id:** AZK 93. **source:** Arizona K Collection.
- PI 528334 **origin:** Peru. **other id:** AZK 94. **source:** Arizona K Collection.

PI 528305 to 528417-continued

PI 528335 origin: Peru. other id: AZK 95. source: Arizona K Collection.

PI 528336 origin: Peru. other id: AZK 96. source: Arizona K Collection.

PI 528337 origin: Bolivia. other id: AZK 101. source: Arizona K Collection.

PI 528338 origin: Bolivia. other id: AZK 123. source: Arizona K Collection.

PI 528339 origin: Bolivia. other id: AZK 128. source: Arizona K Collection.

PI 528340 origin: Bolivia. other id: AZK 129. source: Arizona K Collection.

PI 528341 origin: Bolivia. other id: AZK 130. source: Arizona K Collection.

PI 528342 origin: Bolivia. other id: AZK 131. source: Arizona K Collection.

PI 528343 origin: Bolivia. other id: AZK 132. source: Arizona K Collection.

PI 528344 origin: Argentina. other id: AZK 133. source: Arizona K Collection.

PI 528345 origin: Argentina. other id: AZK 134. source: Arizona K Collection.

PI 528346 origin: Argentina. other id: AZK 135. source: Arizona K Collection.

PI 528347 origin: Argentina. other id: AZK 136. source: Arizona K Collection.

PI 528348 origin: Argentina. other id: AZK 137. source: Arizona K Collection.

PI 528349 origin: Argentina. other id: AZK 138. source: Arizona K Collection.

PI 528350 origin: Argentina. other id: AZK 140. source: Arizona K Collection.

PI 528351 origin: Argentina. other id: AZK 141. source: Arizona K Collection.

PI 528305 to 528417-continued

PI 528352	origin: Argentina. Collection.	other id: AZK 142.	source: Arizona K
PI 528353	origin: Argentina. Collection.	other id: AZK 143.	source: Arizona K
PI 528354	origin: Argentina. Collection.	other id: AZK 144.	source: Arizona K
PI 528355	origin: Argentina. Collection.	other id: AZK 145.	source: Arizona K
PI 528356	origin: Argentina. Collection.	other id: AZK 147.	source: Arizona K
PI 528357	origin: Argentina. Collection.	other id: AZK 148.	source: Arizona K
PI 528358	origin: Argentina. Collection.	other id: AZK 159.	source: Arizona K
PI 528359	origin: Argentina. Collection.	other id: AZK 161.	source: Arizona K
PI 528360	origin: Argentina. Collection.	other id: AZK 162.	source: Arizona K
PI 528361	origin: Argentina. Collection.	other id: AZK 163.	source: Arizona K
PI 528362	origin: Argentina. Collection.	other id: AZK 164.	source: Arizona K
PI 528363	origin: Argentina. Collection.	other id: AZK 168.	source: Arizona K
PI 528364	origin: Argentina. Collection.	other id: AZK 169.	source: Arizona K
PI 528365	origin: Argentina. Collection.	other id: AZK 170.	source: Arizona K
PI 528366	origin: Argentina. Collection.	other id: AZK 171.	source: Arizona K
PI 528367	origin: Argentina. Collection.	other id: AZK 172.	source: Arizona K
PI 528368	origin: Argentina. Collection.	other id: AZK 174.	source: Arizona K

PI 528305 to 528417-continued

- PI 528369 origin: Argentina. other id: AZK 175. source: Arizona K Collection.
- PI 528370 origin: Argentina. other id: AZK 178. source: Arizona K Collection.
- PI 528371 origin: Argentina. other id: AZK 179. source: Arizona K Collection.
- PI 528372 origin: Argentina. other id: AZK 180. source: Arizona K Collection.
- PI 528373 origin: Paraguay. other id: AZK 187. source: Arizona K Collection.
- PI 528374 origin: Brazil. other id: AZK 198. source: Arizona K Collection.
- PI 528375 origin: Brazil. other id: AZK 201. source: Arizona K Collection.
- PI 528376 origin: Brazil. other id: AZK 202. source: Arizona K Collection.
- PI 528377 origin: Africa. other id: AZK 210. source: Arizona K Collection.
- PI 528378 origin: United States. other id: AZK 222. source: Arizona K Collection.
- PI 528379 origin: UNKNOWN. cultivar: YUMA. other id: AZK 237. source: Arizona K Collection.
- PI 528380 origin: UNKNOWN. cultivar: OLD PIMA. other id: AZK 238. source: Arizona K Collection.
- PI 528381 origin: UNKNOWN. cultivar: SXP. other id: AZK 239. source: Arizona K Collection.
- PI 528382 origin: UNKNOWN. cultivar: AMSAK. other id: AZK 240. source: Arizona K Collection.
- PI 528383 origin: UNKNOWN. cultivar: PIMA 32. other id: AZK 241. source: Arizona K Collection.
- PI 528384 origin: UNKNOWN. cultivar: PIMA S-1. other id: AZK 242. source: Arizona K Collection.
- PI 528385 origin: UNKNOWN. cultivar: PIMA S-2. other id: AZK 243. source: Arizona K Collection.



PI 528305 to 528417-continued

- PI 528386 **origin:** St Christopher-Nevis-An. **other id:** AZK 244.  
**source:** Arizona K Collection.
- PI 528387 **origin:** UNKNOWN. **cultivar:** NEVIS 81. **other id:** AZK 245.  
**source:** Arizona K Collection.
- PI 528388 **origin:** UNKNOWN. **cultivar:** MONSERATT. **other id:** AZK  
246. **source:** Arizona K Collection.
- PI 528389 **origin:** UNKNOWN. **cultivar:** S.I. BARBADOS. **other id:** AZK  
247. **source:** Arizona K Collection.
- PI 528390 **origin:** UNKNOWN. **cultivar:** SI SHORT SYMPOD. **other id:**  
AZK 251. **source:** Arizona K Collection.
- PI 528391 **origin:** UNKNOWN. **cultivar:** BROWN EGYPTIAN. **other id:**  
AZK 252. **source:** Arizona K Collection.
- PI 528392 **origin:** UNKNOWN. **cultivar:** S.I. TIPLESS. **other id:** AZK  
253. **source:** Arizona K Collection.
- PI 528393 **origin:** UNKNOWN. **cultivar:** GLZA 7. **other id:** AZK 254.  
**source:** Arizona K Collection.
- PI 528394 **origin:** UNKNOWN. **cultivar:** S.I. 3612B2. **other id:** AZK  
255. **source:** Arizona K Collection.
- PI 528395 **origin:** UNKNOWN. **cultivar:** S.I. 12B2. **other id:** AZK  
256. **source:** Arizona K Collection.
- PI 528396 **origin:** UNKNOWN. **cultivar:** S.I. SEABERRY. **other id:** AZK  
257. **source:** Arizona K Collection.
- PI 528397 **origin:** UNKNOWN. **cultivar:** S.I. TZRV GLAB. **other id:**  
AZK 258. **source:** Arizona K Collection.
- PI 528398 **origin:** UNKNOWN. **cultivar:** EARLIPIMA. **other id:** AZK  
259. **source:** Arizona K Collection.
- PI 528399 **origin:** UNKNOWN. **cultivar:** BARB TASHKENT. **other id:** AZK  
260. **source:** Arizona K Collection.
- PI 528400 **origin:** UNKNOWN. **cultivar:** K3130 MAARAD. **other id:** AZK  
261. **source:** Arizona K Collection.
- PI 528401 **origin:** UNKNOWN. **cultivar:** K3104. **other id:** AZK 262.  
**source:** Arizona K Collection.
- PI 528402 **origin:** UNKNOWN. **cultivar:** SEA ISLAND. **other id:** AZK  
263. **source:** Arizona K Collection.

PI 528305 to 528417-continued

- PI 528403 origin: UNKNOWN. cultivar: SEABERRY. other id: AZK 264.  
source: Arizona K Collection.
- PI 528404 origin: UNKNOWN. cultivar: S.I. SEABERRY. other id: AZK  
265. source: Arizona K Collection.
- PI 528405 origin: UNKNOWN. cultivar: S.I. CRINKLE. other id: AZK  
266. source: Arizona K Collection.
- PI 528406 origin: UNKNOWN. cultivar: STVIN SUPERFINE. other id:  
AZK 267. source: Arizona K Collection.
- PI 528407 origin: UNKNOWN. cultivar: VH HYBRID. other id: AZK  
268. source: Arizona K Collection.
- PI 528408 origin: UNKNOWN. cultivar: SUPERFINE V46. other id: AZK  
269. source: Arizona K Collection.
- PI 528409 origin: UNKNOWN. cultivar: STVINCENT V135. other id:  
AZK 270. source: Arizona K Collection.
- PI 528410 origin: UNKNOWN. cultivar: SIND S.I.. other id: AZK  
271. source: Arizona K Collection.
- PI 528411 origin: UNKNOWN. cultivar: RUSSIAN S.I.. other id: AZK  
272. source: Arizona K Collection.
- PI 528412 origin: UNKNOWN. cultivar: RUSSIAN. other id: AZK 273.  
source: Arizona K Collection.
- PI 528413 origin: UNKNOWN. cultivar: P.R. REGULAR. other id: AZK  
274. source: Arizona K Collection.
- PI 528414 origin: UNKNOWN. cultivar: OSI ORDINARY. other id: AZK  
275. source: Arizona K Collection.
- PI 528415 origin: UNKNOWN. cultivar: FIJI S.I.. other id: AZK  
276. source: Arizona K Collection.
- PI 528416 origin: UNKNOWN. cultivar: BDSTVIN RIVERS. other id:  
AZK 277. source: Arizona K Collection.
- PI 528417 origin: UNKNOWN. cultivar: PEI 152413. other id: AZK  
278. source: Arizona K Collection.

PI 528418 to 529641. *Gossypium hirsutum* L. MALVACEAE Upland cotton

Donated by: Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box  
DN, College Station, Texas, United States. remarks: Mississippi  
Obsolete Variety Collection - *Gossypium hirsutum* Numbered February  
1989. Received February 1989.

PI 528418 to 529641-continued

- PI 528418 origin: China. historical origin: United States.  
cultivar: NANKEEN BROWN. other id: SA 1. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528419 origin: Algeria. historical origin: United States.  
cultivar: ALGERIAN BROWN. other id: SA 2. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528420 origin: United States. cultivar: ARKANSAS GREEN LINT.  
other id: SA 3. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528421 origin: United States. cultivar: ORIGINAL OKRA LEAF.  
other id: SA 4. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528422 origin: United States. cultivar: EXTREME OKRA LEAF.  
other id: SA 5. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528423 origin: China. historical origin: United States.  
cultivar: MARCEL LEAF. other id: SA 6. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528424 origin: United States. cultivar: ORIGINAL WINESAP.  
other id: SA 7. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528425 origin: United States. cultivar: INTENSE RED. other id:  
SA 8. source: Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.
- PI 528426 origin: United States. cultivar: INTENSE RED OKRA CL.  
other id: SA 9. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528427 origin: United States. cultivar: ARIZONA RED. other id:  
SA 10. source: Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.
- PI 528428 origin: United States. cultivar: ARKANSAS CLEAN SEED.  
other id: SA 11. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528429 origin: United States. cultivar: TEXAS CLEAN SEED.  
other id: SA 12. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528430 **origin:** United States. **cultivar:** RED PLANT CLEAN SEED (NO LINT). **other id:** SA 13. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.
- PI 528431 **origin:** United States. **cultivar:** UPRIGHT SHORT FRUITING BRANCH. **other id:** SA 14. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.
- \* PI 528432 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **historical origin:** UNKNOWN.  
**cultivar:** SEA ISLAND SHORT SYMPODIA. **other id:** SA 15.  
**source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.
- PI 528433 **origin:** United States. **cultivar:** HEAVY SPOT CLEAN YELLOW ANTHER. **other id:** SA 16. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.
- PI 528434 **origin:** United States. **cultivar:** KING 82-8 SMALL HEAVY SPOT CRM. **other id:** SA 17. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.
- PI 528435 **origin:** United States. **cultivar:** ARKANSAS 17 (YELLOW ANTHER). **other id:** SA 18. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.
- PI 528436 **origin:** United States. **cultivar:** ACALA 37 (YELLOW ANTHER). **other id:** SA 19. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.
- PI 528437 **origin:** United States. **cultivar:** HALF AND HALF (YELLOW ANTHER). **other id:** SA 20. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.
- PI 528438 **origin:** United States. **cultivar:** KING 67-6 (YELLOW ANTHER). **other id:** SA 21. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.
- PI 528439 **origin:** United States. **cultivar:** YELLOW ANTHER. **other id:** SA 22. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.
- PI 528440 **origin:** China. **historical origin:** United States. **cultivar:** RED OKRA NANKEEN CLEAN SPOT. **other id:** SA 23. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.
- PI 528441 **origin:** United States. **cultivar:** RED OKRA GREEN CLEAN. **other id:** SA 24. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. Seed.

PI 528418 to 529641-continued

- PI 528442 **origin:** United States. **cultivar:** INTENSE RED GREEN LINT. **other id:** SA 25. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528443 **origin:** United States. **cultivar:** ACALA 22-2. **other id:** SA 26. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528444 **origin:** United States. **cultivar:** MEADE CLEAN SEED. **other id:** SA 27. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528445 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** BAWAKA CLUSTER. **other id:** SA 28. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528446 **origin:** United States. **cultivar:** TEXAS SHORT FRUITING BRANCH. **other id:** SA 29. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528447 **origin:** United States. **cultivar:** VIRESCENT YELLOW. **other id:** SA 30. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528448 **origin:** United States. **cultivar:** BRONZE. **other id:** SA 31. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528449 **origin:** United States. **cultivar:** O'KELLY CHLOROPHYLL DEFICIENT. **other id:** SA 32. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528450 **origin:** United States. **cultivar:** HOPI. **other id:** SA 33. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528451 **origin:** United States. **cultivar:** SHAFTER BROWN. **other id:** SA 38. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528452 **origin:** United States. **cultivar:** BRYMER BROWN. **other id:** SA 39. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528453 **origin:** United States. **cultivar:** TEXAS RUST BROWN. **other id:** SA 40. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528454 **origin:** United States. **cultivar:** CLUSTER GREEN. **other id:** SA 41. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528455 origin: United States. cultivar: CLARKSDALE RED. other id: SA 42. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528456 origin: United States. cultivar: PINE BLUFF RED. other id: SA 43. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528457 origin: United States. cultivar: OKLAHOMA PURPLE LEAF. other id: SA 44. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528458 origin: United States. cultivar: SACATON WINESAP. other id: SA 45. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528459 origin: United States. cultivar: SACTON RED ACALA. other id: SA 46. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528460 origin: United States. cultivar: NEW MEXICO RED. other id: SA 47. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528461 origin: United States. cultivar: STONEVILLE CLEAN SEED. other id: SA 48. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528462 origin: United States. cultivar: UPLAND X HOPI. other id: SA 49. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528463 origin: United States. cultivar: NEAL CLEAN SEED. other id: SA 50. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528464 origin: United States. cultivar: POPE CLEAN SEED. other id: SA 51. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528465 origin: United States. cultivar: ROWDEN CLEAN SEED. other id: SA 52. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528466 origin: United States. cultivar: COOK 912 POPE CLEAN SEED. other id: SA 53. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528467 origin: United States. cultivar: BALLARD CLEAN SEED HIGH LINT. other id: SA 54. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528468 origin: United States. cultivar: ACALA SLICK SEED.  
other id: SA 55. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528469 origin: Mexico. historical origin: United States.  
cultivar: ACALA (MEX.) BUD ABORTION. other id: SA 56.  
source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528470 origin: United States. cultivar: TUXTULA. other id: SA  
58. source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528471 origin: United States. cultivar: PETAL SPOT. other id:  
SA 59. source: Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.
- PI 528472 origin: United States. cultivar: YELLOW ANTHER. other  
id: SA 60. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528473 origin: United States. cultivar: TEXAS WOOL GREEN.  
other id: SA 62. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528474 origin: United States. cultivar: MCNAMARA WINESAP.  
other id: SA 63. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528475 origin: Haiti. historical origin: United States.  
cultivar: HITE RED. other id: SA 64. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528476 origin: United States. cultivar: BROWN LINT CLEAN SEED.  
other id: SA 65. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528477 origin: United States. cultivar: KEKCHI CLEAN SEED.  
other id: SA 66. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528478 origin: United States. cultivar: MCNAMARA, CLEAN, HIGH  
LINT. other id: SA 67. source: Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.
- PI 528479 origin: United States. cultivar: CHAPMAN CLEAN SEED.  
other id: SA 68. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528480 origin: United States. cultivar: ACALA 4067 CLEAN SEED. other id: SA 69. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528481 origin: Haiti. historical origin: United States. cultivar: BATSON CLUSTER. other id: SA 70. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528482 origin: United States. cultivar: DURANGO CLUSTER. other id: SA 71. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528483 origin: United States. cultivar: MARS ROSE CLUSTER. other id: SA 72. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528484 origin: UNKNOWN. historical origin: United States. cultivar: H.A. 1. other id: SA 73. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528485 origin: UNKNOWN. historical origin: United States. cultivar: H.A. 2. other id: SA 74. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528486 origin: UNKNOWN. historical origin: United States. cultivar: H.A. 3. other id: SA 75. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528487 origin: UNKNOWN. historical origin: United States. cultivar: H.A. 4. other id: SA 76. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528488 origin: UNKNOWN. historical origin: United States. cultivar: H.A. 7. other id: SA 78. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528489 origin: United States. cultivar: SATURED APEX. other id: SA 79. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528490 origin: United States. cultivar: HURLEY LONG BOLL. other id: SA 80. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528491 origin: United States. cultivar: KING 101-3-10 NO SPOT (CREAM). other id: SA 81. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528492 origin: United States. cultivar: KING NO SPOT (YELLOW ANTHER). other id: SA 82. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.



PI 528418 to 529641-continued

- PI 528493 origin: United States. cultivar: SHORT STAPLE MC NAMARA.  
other id: SA 83. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528494 origin: United States. cultivar: FLORIDA SHORT STAPLE.  
other id: SA 84. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528495 origin: United States. cultivar: BLACK ARM RESISTANTX16  
(FINE). other id: SA 85. source: Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.
- PI 528496 origin: Egypt. historical origin: United States.  
cultivar: BROWN EGYPTIAN. other id: SA 86. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528497 origin: British West Indies. historical origin: United  
States. cultivar: SILLOW RED. other id: SA 88. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- \* PI 528498 *Gossypium barbadense* L. MALVACEAE  
origin: United States. historical origin: UNKNOWN.  
cultivar: SEA ISLAND TIPLESS. other id: SA 89. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528499 origin: United States. cultivar: DWARF I ORIGINAL.  
other id: SA 90. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528500 origin: United States. cultivar: RED DWARF SIMPSON.  
other id: SA 91. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528501 origin: United States. cultivar: CRENATE. other id: SA  
92. source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528502 origin: Egypt. historical origin: United States.  
cultivar: GIZA NO 7. other id: SA 93. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- \* PI 528503 *Gossypium barbadense* L. MALVACEAE  
origin: United States. historical origin: UNKNOWN.  
cultivar: SEA ISLAND VIRESCENT. other id: SA 96.  
source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528504 **origin:** United States. **cultivar:** SUPER OKRA. **other id:** SA 97. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528505 **origin:** United States. **cultivar:** CLEVELAND SHORT SYMPODIA. **other id:** SA 98. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528506 **origin:** United States. **cultivar:** DECIDIOUS ORIGINAL. **other id:** SA 99. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528507 **origin:** United States. **cultivar:** UPLAND CRINKLED DW RED PLANT. **other id:** SA 100. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528508 **origin:** United States. **cultivar:** UPLAND CRINKLED DWARF MEADE. **other id:** SA 101. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528509 **origin:** United States. **cultivar:** UPLAND CRINKLED DW TRIUMPH. **other id:** SA 102. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528510 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** RUGOSE INDORE. **other id:** SA 103. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528511 **origin:** United States. **cultivar:** HALF AND HALF. **other id:** CV-17. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 105. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528512 **origin:** United States. **cultivar:** HEARIN CLUSTER. **other id:** SA 107. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528513 **origin:** United States. **cultivar:** ACALA SHORT SYMPODIA. **other id:** SA 108. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528514 **origin:** United States. **cultivar:** DECIDUOUS GREEN LEAF. **other id:** SA 109. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528515 **origin:** China. **historical origin:** United States. **cultivar:** DWARF I NANKEEN. **other id:** SA 110. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528516 **origin:** China. **historical origin:** United States.  
**cultivar:** SHORT STAPLE NANKEEN (RED). **other id:** SA 111.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528517 **origin:** United States. **cultivar:** TATE BROWN FUZZ. **other**  
**id:** SA 112. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528518 **origin:** United States. **cultivar:** RED DWARF HARRISON.  
**other id:** SA 113. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528519 **origin:** United States. **cultivar:** LINTLESS DUNLAVY.  
**other id:** SA 115. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528520 **origin:** United States. **cultivar:** WEST TEXAS ROUGH.  
**other id:** SA 116. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528521 **origin:** United States. **cultivar:** PILOSE. **other id:** SA  
117. **source:** Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.
- PI 528522 **origin:** United States. **cultivar:** ACALA 1517-5-12 (HIGH  
WAX). **other id:** SA 118. **source:** Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.
- \* PI 528523 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **historical origin:** UNKNOWN.  
**cultivar:** SEA ISLAND 36-12-B2. **other id:** SA 119.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528524 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** BARBADENSE X HARKNESSII. **other id:** SA 121.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528525 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** G. DARWINII (NOT DARWINII). **other id:** SA 122.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528526 **origin:** United States. **cultivar:** SUPER RED. **other id:**  
SA 123. **source:** Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 528527 **origin:** United States. **cultivar:** CLARKSVILLE LONG  
STAPLE. **other id:** SA 124. **source:** Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528528 **origin:** United States. **cultivar:** BROWN 3-6-15 1. **other id:** SA 125. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528529 **origin:** United States. **cultivar:** BROWN 4-6-14 14. **other id:** SA 126. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528530 **origin:** United States. **cultivar:** BROWN 7-6-14 8. **other id:** SA 127. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528531 **origin:** Brazil. **historical origin:** United States. **cultivar:** CLEAN SEED BRAZIL. **other id:** SA 128. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528532 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** CHACO. **other id:** SA 130. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528533 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** V LT. BROWN LINT 6-6-15 6. **other id:** SA 131. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528534 **origin:** United States. **cultivar:** G. HIRSUTUM WARE 16. **other id:** SA 132. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528535 **origin:** United States. **cultivar:** GHIRSUTOM 8-6-15 20 WARE 17. **other id:** SA 133. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528536 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** 5 WILDS I S.I.P.I. SELTING. **other id:** SA 135. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528537 **origin:** United States. **cultivar:** G. HIRSUTUM WARE 11. **other id:** SA 136. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528538 **origin:** United States. **cultivar:** WARE 19 ABNORMAL LEAVES. **other id:** SA 137. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528539 **origin:** United States. **cultivar:** BROWN 5-6-15 5. **other id:** SA 139. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528540 **origin:** United States. **cultivar:** GREEN 1-6-15 37. **other id:** SA 140. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528541 **origin:** United States. **cultivar:** RED 5-6-15 5. **other id:** SA 141. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528542 **origin:** United States. **cultivar:** DERIDDER RED T-156-4-3, POPE 52. **other id:** SA 142. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528543 **origin:** Mexico. **historical origin:** United States. **cultivar:** MEXICAN NAKED UA 3-3. **other id:** SA 143. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528544 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** SPARSE FUZZ. **other id:** SA 144. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528545 **origin:** United States. **cultivar:** GREER WICHITA-169-1203 POPE 36. **other id:** SA 145. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528546 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** DWARF I R-O-G-CI. **other id:** SA 146. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528547 **origin:** United States. **cultivar:** CRINKLED DWARF HOPI. **other id:** SA 147. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528548 **origin:** Trinidad and Tobago. **historical origin:** United States. **cultivar:** BIG BOLL TRIUMPH UA 8-20. **other id:** SA 148. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528549 **origin:** Mexico. **historical origin:** United States. **cultivar:** TUCUMAN 102 UA 4-6. **other id:** SA 149. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528550 **origin:** Colombia. **historical origin:** United States. **cultivar:** COLUMBIA U A 5-1. **other id:** SA 150. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528551 **origin:** Trinidad and Tobago. **historical origin:** United States. **cultivar:** U4, BULK W7, UA 8-4. **other id:** SA 151. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528552 **origin:** Trinidad and Tobago. **historical origin:** United States. **cultivar:** U4, BULK W8, UA 8-5. **other id:** SA 152. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528553 **origin:** Trinidad and Tobago. **historical origin:** United States. **cultivar:** U4,-78-3-5-2 UA 8-11. **other id:** SA 153. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528554 **origin:** India. **historical origin:** United States. **cultivar:** HINDI WEED RA 8-24. **other id:** SA 155. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528555 **origin:** Trinidad and Tobago. **historical origin:** United States. **cultivar:** PERSO AMERICAN UA 7-39. **other id:** SA 156. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528556 **origin:** Trinidad and Tobago. **historical origin:** United States. **cultivar:** UA 7-9. **other id:** SA 157. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528557 **origin:** Trinidad and Tobago. **historical origin:** United States. **cultivar:** TIPO CHACO UA 4-4. **other id:** SA 159. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528558 **origin:** Trinidad and Tobago. **historical origin:** United States. **cultivar:** NARIAMA S.P. 88, UA 8-27. **other id:** SA 164. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528559 **origin:** Trinidad and Tobago. **historical origin:** United States. **cultivar:** M.U. 3 UA 7-41. **other id:** SA 165. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528560 **origin:** Trinidad and Tobago. **historical origin:** United States. **cultivar:** M.U.8B UA 7-44. **other id:** SA 166. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528561 origin: Trinidad and Tobago. historical origin: United States. cultivar: U4, BULK W4, UA 8-2. other id: SA 168. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528562 origin: Trinidad and Tobago. historical origin: United States. cultivar: U4, BULK W5, UA 8-3. other id: SA 169. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528563 origin: United States. cultivar: KING, SPOT UA 2-3. other id: SA 170. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528564 origin: United States. cultivar: ACALA OKRA UA 2-4. other id: SA 171. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528565 origin: Trinidad and Tobago. historical origin: United States. cultivar: SUPER OKRA UA 2-5. other id: SA 172. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528566 origin: United States. cultivar: DURANGO CLUSTER UA 2-6. other id: SA 173. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528567 origin: Trinidad and Tobago. historical origin: United States. cultivar: VIRESCENT YELLOW UA 2-7. other id: SA 174. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528568 origin: Trinidad and Tobago. historical origin: United States. cultivar: MEADE UA 2-8. other id: SA 175. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528569 origin: United States. cultivar: TEXAS CLEAN SEED UA 8-10. other id: SA 176. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528570 origin: United States. cultivar: ARKANSAS CLEAN SEED UA 8-12. other id: SA 177. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528571 origin: United States. cultivar: UPLAND UA 7-1. other id: SA 180. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528572 origin: United States. cultivar: UA 7-6. other id: SA 182. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528573 **origin:** United States. **cultivar:** UA 7-10. **other id:** SA 183. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528574 **origin:** United States. **cultivar:** UA 7-14. **other id:** SA 184. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528575 **origin:** Trinidad and Tobago. **historical origin:** United States. **cultivar:** FELISTANA UA-7-18. **other id:** SA 186. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528576 **origin:** United States. **cultivar:** UA 7-20. **other id:** SA 188. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528577 **origin:** United States. **cultivar:** UA 7-21. **other id:** SA 189. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528578 **origin:** United States. **cultivar:** UA 7-33, HIRSUTUM 111. **other id:** SA 190. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- \* PI 528579 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **historical origin:** UNKNOWN.  
**cultivar:** SEA ISLAND 12-B2. **other id:** SA 191. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- \* PI 528580 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **historical origin:** UNKNOWN.  
**cultivar:** SEA ISLAND SEABERRY. **other id:** SA 192. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- \* PI 528581 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **historical origin:** UNKNOWN.  
**cultivar:** SEA ISLAND TZ RV GLABROUS. **other id:** SA 193. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528582 **origin:** United States. **cultivar:** EARLIPIMA. **other id:** SA 194. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528583 **origin:** United States. **cultivar:** BEASLEYS HYBRID 49-0-4. **other id:** SA 199. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.



PI 528418 to 529641-continued

- PI 528584 **origin:** United States. **cultivar:** FREGO. **other id:** SA 201. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528585 **origin:** United States. **cultivar:** MARSHALL. **other id:** SA 202. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528586 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** G. BARBADENSE TASHENT. **other id:** SA 203. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528587 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** G. HIRSUTUM TASHKENT. **other id:** SA 208. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528588 **origin:** United States. **cultivar:** NEELY 531C SMALL BOLL. **other id:** SA 209. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528589 **origin:** United States. **cultivar:** LAFFERY BROWN LINT. **other id:** SA 210. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528590 **origin:** United States. **cultivar:** ACALA 911 EXPOSED. **other id:** SA 214. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528591 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** K3108 (NAVROTSKY). **other id:** SA 216. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528592 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** K 3103. **other id:** SA 217. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528593 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** K3130 VAR. MAARAD. **other id:** SA 218. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528594 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** K-2102 VAR. 182 AK-DJURA. **other id:** SA 220. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528595 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** K2264. **other id:** SA 221. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528596 origin: Soviet Union. historical origin: United States. cultivar: K3112, 915 PIONEER. other id: SA 223. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528597 origin: Soviet Union. historical origin: United States. cultivar: K3129, 8517. other id: SA 225. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528598 origin: United States. cultivar: DELTATYPE WEBBER 2139. other id: SA 227. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528599 origin: United States. cultivar: LACINIATE LEAF. other id: SA 229. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528600 origin: United States. cultivar: ACALA 1-13-3-1. other id: SA 230. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528601 origin: United States. cultivar: P22-10-15. other id: SA 232. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528602 origin: Mexico. historical origin: United States. cultivar: ACALA MEXICAN LINTLESS. other id: SA 233. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528603 origin: United States. cultivar: ACALA NUNN'S 5-37. other id: SA 234. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528604 origin: United States. cultivar: ACALA MORRELL. other id: SA 236. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528605 origin: United States. cultivar: ACALA SHAFER STATION. other id: SA 237. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528606 origin: United States. cultivar: ACALA 1064 (NEW MEXICO). other id: SA 238. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528607 origin: United States. cultivar: ACALA 1517 (NEW MEXICO). other id: SA 239. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528608 origin: United States. cultivar: ACALA RED OKRA. other id: SA 240. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528609 origin: United States. cultivar: ACALA NAKED SEED. other id: SA 241. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528610 origin: United States. cultivar: BALLARD NAKED SEED. other id: SA 243. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528611 origin: United States. cultivar: CLEVEWILT 6 NAKED SEED. other id: SA 245. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528612 origin: United States. cultivar: CLEVELAND 54. other id: SA 246. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528613 origin: United States. cultivar: COKER'S CLEVELAND 5-2. other id: SA 248. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528614 origin: United States. cultivar: CLEVELAND 884. other id: CV-5. source: J. Am. Soc. Agron. 28(1):69 1936. group: CSR-COTTON. other id: SA 250. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528615 origin: United States. cultivar: COKERS CLEVELAND 884-4. other id: SA 251. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528616 origin: United States. cultivar: COKER'S 100. other id: SA 252. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528617 origin: United States. cultivar: COKER'S CLEVEWILT 3. other id: SA 253. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528618 origin: United States. cultivar: COKER'S 4 IN 1. other id: SA 254. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528619 origin: United States. cultivar: COKER'S DELTATYPE WEBBER 9. other id: SA 255. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528620 origin: United States. cultivar: COKER'S DELTATYPE WEBBER 7. other id: SA 257. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528621 origin: United States. cultivar: COKER'S FOSTER 300. other id: SA 259. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528622 origin: United States. cultivar: COKER'S SUPER SEVEN 4. other id: SA 260. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528623 origin: United States. cultivar: COKER'S SUPER SEVEN 5. other id: SA 261. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528624 origin: United States. cultivar: COKER'S WILDS 5. other id: SA 263. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528625 origin: United States. cultivar: COKER'S WILDS 4. other id: SA 264. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528626 origin: United States. cultivar: COKER'S WILDS 2. other id: SA 265. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528627 origin: United States. cultivar: COOKS 144-68. other id: SA 269. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528628 origin: United States. cultivar: DELTATYPE WEBBER 4. other id: SA 271. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528629 origin: United States. cultivar: DIXIE 14-5-2. other id: SA 272. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528630 origin: United States. cultivar: EWINGS LONG STAPLE. other id: SA 275. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528631 origin: United States. cultivar: HOLDEN 4. other id: SA 277. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528632 origin: United States. cultivar: HARTSVILLE 5. other id: SA 278. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528633 origin: United States. cultivar: HARTSVILLE (TUSCON). other id: SA 279. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528634 origin: United States. cultivar: KEKCHI. other id: SA 280. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528635 origin: United States. cultivar: HOPI MOENCOPI. other id: SA 281. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528636 origin: United States. cultivar: LONE STAR. other id: CV-19. source: J. Am. Soc. Agron. 28(1):69 1936. group: CSR-COTTON. other id: SA 282. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528637 origin: United States. cultivar: PARIS BIG BOLL. other id: SA 288. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528638 origin: United States. cultivar: PATTY'S TOOLE. other id: SA 289. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528639 origin: United States. cultivar: SIKES W.R. STAPLE. other id: SA 290. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528640 origin: United States. cultivar: SIKES 38-6. other id: SA 291. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528641 origin: United States. cultivar: TIDEWATER 4. other id: SA 292. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528642 origin: United States. cultivar: TIDEWATER (SEABROOKS). other id: SA 293. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528643 origin: United States. cultivar: WANNAMAKER'S DIXIE TRIUMPH. other id: SA 294. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528644 origin: United States. cultivar: TOOLE PERRY. other id: SA 295. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528645 **origin:** United States. **cultivar:** WANNAMAKER'S CLEVELAND W.R.. **other id:** SA 296. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528646 **origin:** United States. **cultivar:** WANNAMAKERS EARLY WILT. **other id:** SA 297. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528647 **origin:** United States. **cultivar:** WANNAMAKERS WONDER WILT. **other id:** SA 298. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528648 **origin:** United States. **cultivar:** TEXAS SPECIAL. **other id:** SA 299. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528649 **origin:** United States. **cultivar:** ROWDEN 2. **other id:** SA 300. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528650 **origin:** United States. **cultivar:** ROWDEN 3. **other id:** SA 302. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528651 **origin:** United States. **cultivar:** ROWDEN 3-7. **other id:** SA 303. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528652 **origin:** United States. **cultivar:** ROWDEN 13. **other id:** SA 304. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528653 **origin:** United States. **cultivar:** CLEISTOGAMIC FLOWER. **other id:** SA 306. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528654 **origin:** United States. **cultivar:** STONEVILLE 2B (ORIGINAL). **other id:** SA 308. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528655 **origin:** United States. **cultivar:** DELFOS. **other id:** CV-9. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 309. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528656 **origin:** United States. **cultivar:** DELFOS 531C. **other id:** SA 310. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528657 origin: United States. cultivar: AMBASSADOR (4B6).  
other id: SA 311. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528658 origin: United States. cultivar: STONEVILLE 5A. other  
id: SA 312. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528659 origin: United States. cultivar: STONEVILLE 2C  
(ORIGINAL). other id: SA 313. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528660 origin: United States. cultivar: WASHINGTON (719-286).  
other id: SA 314. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528661 origin: United States. cultivar: COKER 100 STR. 9.  
other id: SA 317. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528662 origin: United States. cultivar: BOBSHAW 1. other id:  
SA 319. source: Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 528663 origin: United States. cultivar: BOBSHAW 1-819. other  
id: SA 320. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528664 origin: United States. cultivar: BOBSHAW 33. other id:  
SA 321. source: Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 528665 origin: United States. cultivar: BOBSHAW 948. other id:  
SA 323. source: Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 528666 origin: United States. cultivar: BOBSHAW 0339. other  
id: SA 324. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528667 origin: United States. cultivar: BOBSHAW 31. other id:  
SA 325. source: Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 528668 origin: United States. cultivar: BOBSHAW 454. other id:  
SA 326. source: Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 528669 origin: United States. cultivar: BOBDEL. other id: SA  
327. source: Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528670 **origin:** United States. **cultivar:** SMITH'S 78. **other id:** SA 331. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528671 **origin:** United States. **cultivar:** STONEVILLE 20. **other id:** SA 332. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528672 **origin:** United States. **cultivar:** UGANDA B31. **other id:** SA 333. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528673 **origin:** United States. **cultivar:** STONEVILLE (20X4). **other id:** SA 334. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528674 **origin:** United States. **cultivar:** ACALA 5675. **other id:** SA 335. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528675 **origin:** United States. **cultivar:** COKER 33-12. **other id:** SA 336. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528676 **origin:** United States. **cultivar:** DELFOS 719. **other id:** SA 337. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528677 **origin:** United States. **cultivar:** TRICE 710. **other id:** SA 338. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- \* PI 528678 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **historical origin:** UNKNOWN.  
**cultivar:** SEA ISLAND. **other id:** SA 339. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528679 **origin:** United States. **cultivar:** SEABERRY. **other id:** SA 340. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528680 **origin:** United States. **cultivar:** TRICE 2A. **other id:** SA 342. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528681 **origin:** United States. **cultivar:** COBAL T 16. **other id:** SA 343. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.



PI 528418 to 529641-continued

- PI 528682 **origin:** United States. **cultivar:** COBAL T 11. **other id:** SA 344. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528683 **origin:** United States. **cultivar:** STATION 21. **other id:** SA 345. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528684 **origin:** United States. **cultivar:** STATION C 42. **other id:** SA 346. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528685 **origin:** United States. **cultivar:** PANDORA. **other id:** SA 347. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528686 **origin:** United States. **cultivar:** WATSON'S DIXIE TRIUMPH. **other id:** SA 348. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528687 **origin:** United States. **cultivar:** ROWDEN 2088-2-10-1. **other id:** SA 350. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528688 **origin:** United States. **cultivar:** ROWDEN 40-5-3-1-2. **other id:** SA 351. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528689 **origin:** United States. **cultivar:** ROWDEN 2088. **other id:** SA 353. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528690 **origin:** United States. **cultivar:** STONEVILLE 4B. **other id:** SA 354. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528691 **origin:** United States. **cultivar:** FARM RELIEF. **other id:** SA 356. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528692 **origin:** Mexico. **historical origin:** United States. **cultivar:** MEXICAN BIG BOLL. **other id:** CV-23. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 357. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528693 **origin:** Mexico. **historical origin:** United States. **cultivar:** MEXICAN. **other id:** SA 358. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528694 **origin:** United States. **cultivar:** FLORIDA GREEN SEED. **other id:** SA 360. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528695 **origin:** United States. **cultivar:** COKER 200-1-3-3. **other id:** SA 363. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528696 **origin:** United States. **cultivar:** HART. **other id:** SA 365. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528697 **origin:** United States. **cultivar:** PIEDMONT CLEVELAND 2-1. **other id:** SA 366. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528698 **origin:** United States. **cultivar:** DELFOS 6102 A2 C3. **other id:** SA 368. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528699 **origin:** United States. **cultivar:** D AND PL 10-1. **other id:** SA 369. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528700 **origin:** United States. **cultivar:** D AND PL 10-2. **other id:** SA 370. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528701 **origin:** United States. **cultivar:** D AND PL 4-8. **other id:** SA 372. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528702 **origin:** United States. **cultivar:** EXPRESS 432. **other id:** SA 373. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528703 **origin:** United States. **cultivar:** COKER'S 5-8 PL. 6. **other id:** SA 375. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528704 **origin:** United States. **cultivar:** STONEVILLE X HOPI 11-1-1-4. **other id:** SA 378. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528705 **origin:** United States. **cultivar:** STONEVILLE X HOPI 11-1-1-6. **other id:** SA 379. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528706 **origin:** United States. **cultivar:** STONEVILLE X HOPI 12-1-2-1. **other id:** SA 380. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528707 **origin:** United States. **cultivar:** MEADE9-1 PI.1. **other id:** SA 381. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528708 **origin:** United States. **cultivar:** ROXE 2-4-2-5-4. **other id:** SA 383. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528709 **origin:** United States. **cultivar:** UGANDA 4 PI. 1. **other id:** SA 384. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528710 **origin:** United States. **cultivar:** UGANDA 4 PI. 3. **other id:** SA 385. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528711 **origin:** United States. **cultivar:** WACONA PI, 1. **other id:** SA 386. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528712 **origin:** United States. **cultivar:** WACONA PI 2. **other id:** SA 387. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528713 **origin:** India. **historical origin:** United States. **cultivar:** PUNJAB. **other id:** SA 388. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528714 **origin:** United States. **cultivar:** ACALA 911 Pl-1. **other id:** SA 389. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528715 **origin:** United States. **cultivar:** MISSDEL 6 PL. 1. **other id:** SA 391. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528716 **origin:** United States. **cultivar:** SELECTION 21 PI. 2. **other id:** SA 394. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528717 **origin:** United States. **historical origin:** United States. **cultivar:** DELTATYPE WEBBER. **other id:** CV-12. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 395. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528718 **origin:** United States. **cultivar:** SUPER ROUND. **other id:** SA 396. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528719 **origin:** United States. **cultivar:** CRENATE. **other id:** SA 397. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528720 **origin:** United States. **cultivar:** OKRA ROUND. **other id:** SA 398. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528721 **origin:** United States. **cultivar:** SUPER SAM. **other id:** SA 399. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528722 **origin:** United States. **cultivar:** CARTER LONG STAPLE. **other id:** SA 400. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528723 **origin:** United States. **cultivar:** STONEWILT. **other id:** SA 401. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528724 **origin:** United States. **cultivar:** SUPER 7. **other id:** SA 402. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528725 **origin:** United States. **cultivar:** AHA X C 100W X C 100W. **other id:** SA 404. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528726 **origin:** United States. **cultivar:** EWING LONG STAPLEXTIDEWATER. **other id:** SA 405. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528727 **origin:** United States. **cultivar:** SEALAND 391. **other id:** SA 408. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528728 **origin:** United States. **cultivar:** TIDEWATER E 372-4. **other id:** SA 409. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528729 **origin:** United States. **cultivar:** SEALAND 472. **other id:** SA 410. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528730 **origin:** United States. **cultivar:** SEALAND 542. **other id:** GP-150. **source:** Crop Sci. 20(2):291 1980. **group:** CSR-COTTON. **other id:** SA 411. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.

PI 528418 to 529641-continued

- PI 528731 origin: United States. cultivar: ROWDEN 40-80-8. other id: SA 412. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528732 origin: United States. cultivar: DELTAPINE 11A B1-3. other id: SA 414. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528733 origin: United States. cultivar: DELTAPINE 11A B1-5. other id: SA 415. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528734 origin: United States. cultivar: DELTAPINE 11A B1-6. other id: SA 416. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528735 origin: United States. cultivar: DELTAPINE 11A B6-3. other id: SA 417. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528736 origin: United States. cultivar: DELTAPINE 11A B10-20. other id: SA 420. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528737 origin: Mexico. historical origin: United States. cultivar: MEXICAN Acala CLEAN SEED. other id: SA 421. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528738 origin: United States. cultivar: KING 82. other id: SA 422. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528739 origin: United States. cultivar: HOPI M5-11. other id: SA 424. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528740 origin: United States. cultivar: TRIPLE HALLMARK F3. other id: SA 426. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528741 origin: United States. cultivar: HARTSVILLE. other id: SA 427. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528742 origin: United States. cultivar: CARVER 8 RED PLANT. other id: SA 428. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528743 origin: United States. cultivar: COLUMBIA. other id: SA 429. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528744 origin: United States. cultivar: ACALA X HOPI 302-29.  
other id: SA 430. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528745 origin: United States. cultivar: ACALA X HOPI 302-22.  
other id: SA 431. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528746 origin: United States. cultivar: ACALA X HOPI 76-18-13.  
other id: SA 432. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528747 origin: United States. cultivar: ACALA X HOPI 76-18-8.  
other id: SA 433. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528748 origin: United States. cultivar: ACALA X HOPI 76-15-5.  
other id: SA 434. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528749 origin: UNKNOWN. historical origin: United States.  
cultivar: CB 2046. other id: SA 435. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528750 origin: Zaire. historical origin: United States.  
cultivar: STONEVILLE 04. other id: SA 436. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528751 origin: Zaire. historical origin: United States.  
cultivar: STONEVILLE 2. other id: SA 437. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528752 origin: Zaire. historical origin: United States.  
cultivar: STONEVILLE A. other id: SA 438. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528753 origin: Zaire. historical origin: United States.  
cultivar: STONEVILLE 5B. other id: SA 439. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528754 origin: UNKNOWN. historical origin: United States.  
cultivar: CB 2047. other id: SA 440. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 528755 origin: United States. cultivar: ACALA YOUNG'S. other id: SA 442. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528756 origin: United States. cultivar: ACALA OKRA. other id: SA 443. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528757 origin: United States. cultivar: ACALA N 28-5. other id: SA 445. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528758 origin: United States. cultivar: ACALA 1517 WILT. other id: SA 447. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528759 origin: United States. cultivar: ARKANSAS 17. other id: SA 449. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528760 origin: United States. cultivar: COKER 100 STAPLE. other id: SA 450. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528761 origin: United States. cultivar: COKER 100 WILT. other id: SA 451. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528762 origin: United States. cultivar: DELFOS 4. other id: SA 452. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528763 origin: United States. cultivar: DELFOS 3506. other id: SA 453. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528764 origin: United States. cultivar: DELFOS 651. other id: SA 454. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528765 origin: United States. cultivar: DELFOS 4-65. other id: SA 455. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528766 origin: United States. cultivar: DELFOS 9252. other id: SA 456. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528767 origin: United States. cultivar: DELTAPINE A. other id: SA 458. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528768 **origin:** United States. **cultivar:** DELTAPINE 12. **other id:** SA 459. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528769 **origin:** United States. **cultivar:** DELTAPINE 14(44-51). **other id:** SA 460. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528770 **origin:** United States. **cultivar:** DELTAPINE 15. **other id:** SA 462. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528771 **origin:** United States. **cultivar:** D AND PL 45-867. **other id:** SA 463. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528772 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** AHA 6-1-4. **other id:** SA 464. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528773 **origin:** United States. **cultivar:** EMPIRE P 45-3. **other id:** SA 465. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528774 **origin:** United States. **cultivar:** EMPIRE P 45-10. **other id:** SA 467. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528775 **origin:** United States. **cultivar:** EXPRESS 11384. **other id:** SA 468. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528776 **origin:** United States. **cultivar:** MISSDEL W.R. 1. **other id:** SA 469. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528777 **origin:** United States. **cultivar:** MILLER. **other id:** SA 470. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528778 **origin:** United States. **cultivar:** STONEVILLE 62. **other id:** SA 472. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528779 **origin:** United States. **cultivar:** WASHINGTON. **other id:** CV-34. **source:** J. Am. Soc. Agron. 28(11):1019 1936. **group:** CSR-COTTON. **other id:** SA 473. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.



PI 528418 to 529641-continued

- PI 528780 **origin:** United States. **cultivar:** WILDS 15. **other id:** SA 474. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528781 **origin:** United States. **cultivar:** WILDS 18. **other id:** SA 475. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528782 **origin:** United States. **cultivar:** STONEVILLE 2B-7. **other id:** SA 476. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528783 **origin:** United States. **cultivar:** DELTA SMOOTH LEAF. **other id:** SA 477. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528784 **origin:** China. **historical origin:** United States. **cultivar:** GREEN BROWN 7 (NANKEEN). **other id:** SA 478. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528785 **origin:** United States. **cultivar:** BROWN 6 (TEXAS RUST). **other id:** SA 479. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528786 **origin:** United States. **cultivar:** HIGGINBOTHAM BROWN LINT 9. **other id:** SA 480. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528787 **origin:** United States. **cultivar:** GREEN LINT 4. **other id:** SA 481. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528788 **origin:** United States. **cultivar:** TRICE, NO SPOT. **other id:** SA 482. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528789 **origin:** United States. **cultivar:** TRICE, SPOT. **other id:** SA 483. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528790 **origin:** United States. **cultivar:** KING, NO. SPOT. **other id:** SA 484. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528791 **origin:** United States. **cultivar:** KING, SPOT. **other id:** SA 485. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528792 **origin:** United States. **cultivar:** CA119-6/14 (STORMPROOF). **other id:** SA 486. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528793 origin: United States. cultivar: CA122 EARLY (STORMPROOF). other id: SA 487. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528794 origin: United States. cultivar: CA119-1/29 (STORMPROOF). other id: SA 488. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528795 origin: United States. cultivar: CA119-4/17 (STORMPROOF). other id: SA 489. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528796 origin: United States. cultivar: CA89A (STORMPROOF). other id: SA 490. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528797 origin: United States. cultivar: ROWDEN, MALONE. other id: SA 491. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528798 origin: United States. cultivar: ROWDEN 41B, WATSON 1. other id: SA 493. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528799 origin: United States. cultivar: DUCONA CLUSTER. other id: SA 494. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528800 origin: United States. cultivar: CLUSTER 11. other id: SA 495. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528801 origin: United States. cultivar: SUNSHINE 2 (LARGE SEED). other id: SA 496. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528802 origin: United States. cultivar: SUNSHINE 1 (LARGE SEED). other id: SA 497. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528803 origin: United States. cultivar: JACKSON 1. other id: SA 498. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528804 origin: United States. cultivar: LARGE GREEN SEED. other id: SA 499. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528805 origin: United States. cultivar: CAMBODIA 4. other id: SA 501. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528806 **origin:** United States. **cultivar:** UGANDA 8-9. **other id:** SA 502. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528807 **origin:** United States. **cultivar:** S.L. 1-7-1 (NO LINT). **other id:** SA 504. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528808 **origin:** United States. **cultivar:** CARVER 2-1 CLEAN SEED. **other id:** SA 505. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528809 **origin:** United States. **cultivar:** D.A.F. 11 (APICAL FURROW). **other id:** SA 506. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528810 **origin:** United States. **cultivar:** KASCH 3 (APICAL FURROW). **other id:** SA 507. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528811 **origin:** United States. **cultivar:** FERGUSON 406. **other id:** SA 508. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528812 **origin:** United States. **cultivar:** LOCKET 140-46. **other id:** SA 509. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528813 **origin:** United States. **cultivar:** HARPER D.D. ROWDEN. **other id:** SA 510. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528814 **origin:** United States. **cultivar:** NORTHERN STAR. **other id:** SA 515. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528815 **origin:** United States. **cultivar:** MEBANE, WATSON. **other id:** SA 516. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528816 **origin:** United States. **cultivar:** ACALA 111, ROGERS. **other id:** SA 517. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528817 **origin:** United States. **cultivar:** ACALA HARPER B-L. **other id:** SA 518. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528818 **origin:** United States. **cultivar:** ROWDEN 41B, TPSA. **other id:** SA 519. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528819 **origin:** United States. **cultivar:** MEBANE 140. **other id:** SA 520. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528820 **origin:** United States. **cultivar:** PAYMASTER 54. **other id:** SA 521. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528821 **origin:** United States. **cultivar:** ROWDEN 41B, BRYANT. **other id:** SA 522. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528822 **origin:** United States. **cultivar:** LANKART 57. **other id:** CV-37. **source:** Agron. J. 42(1):53 1950. **group:** CSR-COTTON. **other id:** SA 524. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528823 **origin:** United States. **cultivar:** DENTEX 74-2. **other id:** SA 525. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528824 **origin:** United States. **cultivar:** BURNETT. **other id:** SA 527. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- \* PI 528825 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **historical origin:** UNKNOWN.  
**cultivar:** SEA ISLAND SEABERRY. **other id:** SA 528.  
**source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528826 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** CRUMPLED. **other id:** SA 531. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528827 **origin:** United States. **cultivar:** COKER 100 (HIGH LINT).  
**other id:** SA 532. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528828 **origin:** United States. **cultivar:** DELFOS 719 (339) T 105-7. **other id:** SA 534. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528829 **origin:** United States. **cultivar:** D AND PL 11A T 154-2. **other id:** SA 535. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528830 **origin:** United States. **cultivar:** STONEVILLE 5, T196-4. **other id:** SA 537. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528831 **origin:** United States. **cultivar:** STONEVILLE 5, T 196-9.  
**other id:** SA 538. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528832 **origin:** United States. **cultivar:** STONEVILLE 5, T 196-10.  
**other id:** SA 539. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528833 **origin:** United States. **cultivar:** STONEVILLE 5A, T 206-4.  
**other id:** SA 540. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528834 **origin:** United States. **cultivar:** STONEVILLE 5A, T 226-9.  
**other id:** SA 541. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528835 **origin:** United States. **cultivar:** STONEVILLE 5A, T  
226-11. **other id:** SA 542. **source:** Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.
- PI 528836 **origin:** United States. **cultivar:** WILDS 34-4 (411),  
T87-7. **other id:** SA 544. **source:** Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.
- PI 528837 **origin:** United States. **cultivar:** DELFOS 719 (339) 124-6.  
**other id:** SA 545. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528838 **origin:** United States. **cultivar:** STONEVILLE 5A T 219-6.  
**other id:** SA 549. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528839 **origin:** United States. **cultivar:** TIDEWATER 29. **other**  
**id:** SA 550. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528840 **origin:** United States. **cultivar:** GREER WICHITA T170-4.  
**other id:** SA 551. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528841 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** ACALA 911 (330)T4-6. **other id:** SA 553.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528842 **origin:** United States. **cultivar:** WILDS 34-4 (411),  
T82-2. **other id:** SA 556. **source:** Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.
- PI 528843 **origin:** United States. **cultivar:** WILDS 34-4 (411),  
T85-2. **other id:** SA 557. **source:** Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528844 **origin:** United States. **cultivar:** DELTATYPE WEBBER(253-1)T142-8. **other id:** SA 558. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528845 **origin:** United States. **cultivar:** PROTZMAN (968). **other id:** SA 559. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528846 **origin:** United States. **cultivar:** P.K. 15-M-3 T177-7. **other id:** SA 560. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528847 **origin:** United States. **cultivar:** DERIDDER RED LEAF T-155-3. **other id:** SA 562. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528848 **origin:** United States. **cultivar:** DERIDDER RED LEAF T-155-4. **other id:** SA 563. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528849 **origin:** United States. **cultivar:** DERIDDER RED LEAF T-156-4. **other id:** SA 564. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528850 **origin:** United States. **cultivar:** DERIDDER RED LEAF T-156-7. **other id:** SA 565. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528851 **origin:** United States. **cultivar:** WEST TEXAS ROUGH T 163-6. **other id:** SA 566. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528852 **origin:** United States. **cultivar:** FLORIDA 1377 T167-10. **other id:** SA 568. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528853 **origin:** United States. **cultivar:** WEST TEXAS ROUGH T 162-7. **other id:** SA 570. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528854 **origin:** Turkey. **historical origin:** United States. **cultivar:** CB 2472. **other id:** SA 571. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528855 **origin:** Turkey. **historical origin:** United States. **cultivar:** CB 2479. **other id:** SA 572. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528856 origin: Turkey. historical origin: United States.  
cultivar: CB 2480. other id: SA 573. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528857 origin: Turkey. historical origin: United States.  
cultivar: CB 2482. other id: SA 574. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528858 origin: Turkey. historical origin: United States.  
cultivar: CB 2483. other id: SA 575. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528859 origin: Turkey. historical origin: United States.  
cultivar: CB 2489. other id: SA 576. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528860 origin: Turkey. historical origin: United States.  
cultivar: CB 2490. other id: SA 577. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528861 origin: Turkey. historical origin: United States.  
cultivar: CB 2492. other id: SA 578. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528862 origin: Turkey. historical origin: United States.  
cultivar: CB 2493. other id: SA 579. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528863 origin: Turkey. historical origin: United States.  
cultivar: CB 2519. other id: SA 580. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528864 origin: India. historical origin: United States.  
cultivar: CB 2717. other id: SA 581. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528865 origin: Turkey. historical origin: United States.  
cultivar: CB 2525. other id: SA 582. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 528866 **origin:** Turkey. **historical origin:** United States.  
**cultivar:** CB 2526. **other id:** SA 583. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528867 **origin:** Turkey. **historical origin:** United States.  
**cultivar:** CB 2527. **other id:** SA 584. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528868 **origin:** Turkey. **historical origin:** United States.  
**cultivar:** CB 2528. **other id:** SA 585. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528869 **origin:** Turkey. **historical origin:** United States.  
**cultivar:** CB 2536. **other id:** SA 586. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528870 **origin:** United States. **cultivar:** EWINGS LONG STAPLE X  
TIDEWATER. **other id:** SA 587. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528871 **origin:** United States. **cultivar:** SEALAND 1. **other id:**  
SA 588. **source:** Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 528872 **origin:** United States. **cultivar:** SEALAND 3. **other id:**  
SA 589. **source:** Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 528873 **origin:** United States. **cultivar:** SEALAND 7 YELLOW  
FLOWER. **other id:** SA 590. **source:** Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.
- PI 528874 **origin:** United States. **cultivar:** SEALAND 7 WHITE FLOWER.  
**other id:** SA 591. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528875 **origin:** United States. **cultivar:** SEALAND 883. **other id:**  
SA 592. **source:** Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 528876 **origin:** India. **historical origin:** United States.  
**cultivar:** CB 2628. **other id:** SA 594. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.



PI 528418 to 529641-continued

- PI 528877 origin: India. historical origin: United States.  
cultivar: CB 2630. other id: SA 596. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528878 origin: India. historical origin: United States.  
cultivar: CB 2544. other id: SA 624. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528879 origin: India. historical origin: United States.  
cultivar: CB 2545. other id: SA 625. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528880 origin: India. historical origin: United States.  
cultivar: CB 2554. other id: SA 628. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528881 origin: India. historical origin: United States.  
cultivar: CB 2555. other id: SA 629. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528882 origin: India. historical origin: United States.  
cultivar: CB 2540. other id: SA 631. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528883 origin: India. historical origin: United States.  
cultivar: CB 2548. other id: SA 633. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528884 origin: India. historical origin: United States.  
cultivar: CB 2550. other id: SA 634. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528885 origin: Turkey. historical origin: United States.  
cultivar: CB 2678. other id: SA 668. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528886 origin: Turkey. historical origin: United States.  
cultivar: CB 2679. other id: SA 669. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 528887 origin: China. historical origin: United States.  
cultivar: GREEN LINTED PIGMENTATION. other id: SA 675.  
source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528888 origin: China. historical origin: United States.  
cultivar: LINTSING STONEVILLE. other id: SA 677.  
source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528889 origin: China. historical origin: United States.  
cultivar: LINTSING SZE TZE 4B. other id: SA 680.  
source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528890 origin: UNKNOWN. historical origin: United States.  
cultivar: DWARF (R.I.0 NAN. CL.). other id: SA 685.  
source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528891 origin: UNKNOWN. historical origin: United States.  
cultivar: DWARF I OKRA CLEAN. other id: SA 686. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528892 origin: United States. cultivar: SMOOTH BOLL 1. other  
id: SA 688. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528893 origin: British West Indies. historical origin: United  
States. cultivar: VH HYBRID. other id: SA 692. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528894 origin: British West Indies. historical origin: United  
States. cultivar: ST. VINCENT VI35. other id: SA 694.  
source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528895 origin: British West Indies. historical origin: United  
States. cultivar: SIND SEA ISLAND. other id: SA 696.  
source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528896 origin: Soviet Union. historical origin: United States.  
cultivar: RUSSIAN SEA ISLAND. other id: SA 698. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 528897 **origin:** Soviet Union. **historical origin:** United States.  
**cultivar:** RUSSIAN PEI 152-421. **other id:** SA 699.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528898 **origin:** Puerto Rico. **historical origin:** United States.  
**cultivar:** PUERTO RICAN REGULAR. **other id:** SA 700.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528899 **origin:** British West Indies. **historical origin:** United States.  
**cultivar:** OSI ORDINARY. **other id:** SA 701.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528900 **origin:** British West Indies. **historical origin:** United States.  
**cultivar:** NEUIS SEA ISLAND. **other id:** SA 702.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528901 **origin:** Fiji. **historical origin:** United States.  
**cultivar:** FIJI SEA ISLAND. **other id:** SA 704. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528902 **origin:** Barbados. **historical origin:** United States.  
**cultivar:** BARBADOS SEA ISLAND. **other id:** SA 705.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528903 **origin:** British West Indies. **historical origin:** United States.  
**cultivar:** ST. VINCENT RIVERS. **other id:** SA 706.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528904 **origin:** British West Indies. **historical origin:** United States.  
**cultivar:** AN. **other id:** SA 707. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528905 **origin:** United States. **cultivar:** ARKANSAS 1 BBR-1-10.  
**other id:** SA 708. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528906 **origin:** United States. **cultivar:** ARKANSAS 2 BBR-3-10-3  
NO 11. **other id:** SA 709. **source:** Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.
- PI 528907 **origin:** United States. **cultivar:** ARKANSAS 3 BBR-4-8.  
**other id:** SA 710. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528908 origin: United States. cultivar: ARKANSAS 6. other id: SA 713. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528909 origin: United States. cultivar: ARKANSAS 7. other id: SA 714. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528910 origin: United States. cultivar: ARKANSAS 8. other id: SA 715. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528911 origin: United States. cultivar: ARKANSAS 9 (NUCALA X ROWDEN) 11-8-1. other id: SA 716. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528912 origin: United States. cultivar: ARKANSAS 10. other id: SA 717. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528913 origin: United States. cultivar: ARKANSAS 11 (NUCALA X ROWDEN) 20-4-1. other id: SA 718. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528914 origin: United States. cultivar: ARKANSAS 12. other id: SA 719. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528915 origin: United States. cultivar: ARKANSAS 13. other id: SA 720. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528916 origin: United States. cultivar: ARKANSAS 16. other id: SA 723. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528917 origin: United States. cultivar: ARKANSAS 17 (NUCALA X ROWDEN) 14-2-2. other id: SA 724. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528918 origin: United States. cultivar: ARKANSAS 19. other id: SA 726. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528919 origin: United States. cultivar: ARKANSAS 20. other id: SA 727. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528920 origin: United States. cultivar: ARKANSAS 21 ROWDEN 1-6-4-1. other id: SA 728. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528921 **origin:** United States. **cultivar:** ARKANSAS 22 ROLDO ROWDEN. **other id:** SA 729. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528922 **origin:** United States. **cultivar:** ARKANSAS 23 ROWDEN 11-4-1. **other id:** SA 730. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528923 **origin:** United States. **cultivar:** ARKANSAS 25 ROWDEN 41B-100. **other id:** SA 732. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528924 **origin:** United States. **cultivar:** ARKANSAS 26 OKRA LEAF MCNAMARA. **other id:** SA 733. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528925 **origin:** United States. **cultivar:** SMOOTH BOLL I 41-3-2. **other id:** SA 734. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528926 **origin:** United States. **cultivar:** SMOOTH BOLL I 41-3-3. **other id:** SA 735. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528927 **origin:** India. **historical origin:** United States. **cultivar:** AK-DJURA VIRESCENT. **other id:** SA 736. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528928 **origin:** India. **historical origin:** United States. **cultivar:** AK-DJURA RED DWARF HARRISON. **other id:** SA 737. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528929 **origin:** India. **historical origin:** United States. **cultivar:** AK-DJURA GREEN LINT. **other id:** SA 738. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528930 **origin:** India. **historical origin:** United States. **cultivar:** AK-DJURA RED-OKRA-NANKEEN. **other id:** SA 739. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528931 **origin:** India. **historical origin:** United States. **cultivar:** AK-DJURA FREGO. **other id:** SA 740. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528932 **origin:** United States. **cultivar:** FREGO VIRESCENT. **other id:** SA 741. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528933 origin: United States. cultivar: DWARF I FREGO. other id: SA 742. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528934 origin: United States. cultivar: FREGO UPLAND CR. DW. MEADE. other id: SA 743. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528935 origin: United States. cultivar: FREGO CLUSTER. other id: SA 744. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528936 origin: China. historical origin: United States. cultivar: VIRESCENT NANKEEN. other id: SA 745. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528937 origin: China. historical origin: United States. cultivar: FREGO NANKEEN. other id: SA 746. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528938 origin: China. historical origin: United States. cultivar: NANKEEN SPOT. other id: SA 747. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528939 origin: Mexico. historical origin: United States. cultivar: MEX. 68. other id: SA 815. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528940 origin: Mexico. historical origin: United States. cultivar: MEX. 70-1797. other id: SA 816. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528941 origin: Mexico. historical origin: United States. cultivar: MEX. 74. other id: SA 818. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528942 origin: Mexico. historical origin: United States. cultivar: MEX. 102. other id: SA 825. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528943 origin: Mexico. historical origin: United States. cultivar: MEX. 106. other id: SA 826. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528944 origin: Mexico. historical origin: United States.  
cultivar: MEX. 118. other id: SA 830. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528945 origin: Mexico. historical origin: United States.  
cultivar: MEX. 121. other id: SA 831. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528946 origin: Mexico. historical origin: United States.  
cultivar: MEX. 122. other id: SA 832. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528947 origin: Mexico. historical origin: United States.  
cultivar: MEX. 123. other id: SA 833. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528948 origin: Mexico. historical origin: United States.  
cultivar: MEX 126-1853. other id: SA 834. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528949 origin: Guatemala. historical origin: United States.  
cultivar: GUATEMALA 14. other id: SA 838. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 528950 origin: UNKNOWN. historical origin: United States.  
cultivar: INTENSE RED OKRA CLEAN. other id: SA 840.  
source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 528951 origin: United States. cultivar: COOK 307-2-1-8-11-2.  
other id: SA 844. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528952 origin: United States. cultivar: COOK 144-30. other id:  
SA 846. source: Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 528953 origin: United States. cultivar: WHITE GOLD 5. other  
id: SA 847. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 528954 origin: United States. cultivar: WHITE GOLD WILT. other  
id: SA 848. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528955 origin: United States. historical origin: United States. cultivar: TRICE. other id: CV-30. source: J. Am. Soc. Agron. 28(1):69 1936. group: CSR-COTTON. other id: SA 850. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528956 origin: United States. historical origin: United States. cultivar: DIXIE TRIUMPH. other id: CV-13. source: J. Am. Soc. Agron. 28(1):69 1936. group: CSR-COTTON. other id: SA 852. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528957 origin: United States. cultivar: TRICE 406. other id: SA 853. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528958 origin: United States. cultivar: DELFOS 6102. other id: SA 854. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528959 origin: UNKNOWN. historical origin: United States. cultivar: ACALA ORIGINAL. other id: SA 857. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528960 origin: United States. cultivar: WIELDS CLEVELANDD. other id: SA 859. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528961 origin: United States. cultivar: DIXIE TRIUMPH 83. other id: SA 861. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528962 origin: United States. cultivar: DIXIE TRIUMPH 14. other id: SA 862. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528963 origin: United States. historical origin: United States. cultivar: TOOLE. other id: CV-28. source: J. Am. Soc. Agron. 28(1):69 1936. group: CSR-COTTON. other id: SA 863. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528964 origin: United States. cultivar: HALF AND HALF. other id: SA 864. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528965 origin: United States. historical origin: United States. cultivar: STATION MILLER. other id: CV-22. source: J. Am. Soc. Agron. 28(1):69 1936. group: CSR-COTTON. other id: SA 865. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.



PI 528418 to 529641-continued

- PI 528966 **origin:** United States. **cultivar:** ARKANSAS ROWDEN 40. **other id:** CV-27. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 866. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar.** Seed.
- PI 528967 **origin:** United States. **historical origin:** United States. **cultivar:** ACALA 8. **other id:** CV-2. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 868. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar.** Seed.
- PI 528968 **origin:** United States. **cultivar:** DELTAPINE 8-829. **other id:** SA 869. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 528969 **origin:** United States. **cultivar:** DELTAPINE 6. **other id:** SA 870. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 528970 **origin:** United States. **cultivar:** DELTAPINE 14. **other id:** SA 874. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 528971 **origin:** United States. **cultivar:** OKLAHOMA TRIUMPH 44. **other id:** CV-24. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 875. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar.** Seed.
- PI 528972 **origin:** United States. **cultivar:** STONEVILLE 3. **other id:** SA 876. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 528973 **origin:** United States. **historical origin:** United States. **cultivar:** AMBASSADOR. **other id:** CV-33. **source:** J. Am. Soc. Agron. 28(11):1019 1936. **group:** CSR-COTTON. **other id:** SA 877. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar.** Seed.
- PI 528974 **origin:** United States. **cultivar:** DELFOS WASHINGTON. **other id:** SA 879. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 528975 **origin:** United States. **cultivar:** DELFOS 120. **other id:** SA 880. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**

PI 528418 to 529641-continued

- PI 528976 **origin:** United States. **historical origin:** United States. **cultivar:** MISSDEL. **other id:** CV-21. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 881. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528977 **origin:** United States. **historical origin:** United States. **cultivar:** EXPRESS 121. **other id:** CV-15. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 882. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528978 **origin:** United States. **historical origin:** United States. **cultivar:** LIGHTNING EXPRESS. **other id:** CV-16. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 883. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528979 **origin:** United States. **cultivar:** WILDS 5. **other id:** SA 884. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528980 **origin:** United States. **cultivar:** MILLER 919. **other id:** SA 885. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528981 **origin:** United States. **cultivar:** RUCKER. **other id:** SA 887. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528982 **origin:** United States. **cultivar:** ACALA TEX. **other id:** SA 889. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 528983 **origin:** United States. **historical origin:** United States. **cultivar:** KASCH. **other id:** CV-18. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 890. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528984 **origin:** United States. **historical origin:** United States. **cultivar:** NEW BOYKIN. **other id:** CV-3. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 891. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 528985 **origin:** United States. **historical origin:** United States. **cultivar:** MEBANE. **other id:** CV-20. **source:** J. Am. Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other id:** SA 892. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.

PI 528418 to 529641-continued

- \* PI 528986 *Gossypium barbadense* L. MALVACEAE  
origin: United States. historical origin: UNKNOWN.  
cultivar: S.I. X SPEARS GREEN. other id: SA 895.  
source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
  
- PI 528987 origin: UNKNOWN. historical origin: United States.  
cultivar: SPEARS GREEN. other id: SA 896. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
  
- PI 528988 origin: United States. cultivar: BEASLEYS HYBRID 9-D-2.  
other id: SA 897. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
  
- PI 528989 origin: United States. cultivar: BEASLEYS HYBRID  
11-A-11. other id: SA 899. source: Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.
  
- PI 528990 origin: United States. cultivar: KIME YELLOW. other id:  
SA 902. source: Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
  
- PI 528991 origin: Uganda. historical origin: United States.  
cultivar: PI 1944833 KP 28. other id: SA 903. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
  
- PI 528992 origin: Uganda. historical origin: United States.  
cultivar: PI 194831 B181. other id: SA 904. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
  
- PI 528993 origin: Uganda. historical origin: United States.  
cultivar: PI 194832 BP52, MB2. other id: SA 905.  
source: Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
  
- PI 528994 origin: United States. cultivar: MEADE 14-2. other id:  
SA 907. source: Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
  
- PI 528995 origin: United States. cultivar: ACALA W 29-6. other  
id: SA 914. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
  
- PI 528996 origin: United States. cultivar: AHA 1-9-104. other id:  
SA 923. source: Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 528997 **origin:** United States. **historical origin:** United States.  
**cultivar:** COOK 307-6. **other id:** CV-8. **source:** J. Am.  
Soc. Agron. 28(1):69 1936. **group:** CSR-COTTON. **other**  
**id:** SA 924. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Cultivar. Seed.
- PI 528998 **origin:** United States. **cultivar:** KEKCHI 7-8. **other id:**  
SA 925. **source:** Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 528999 **origin:** United States. **cultivar:** AC 1517-40. **other id:**  
SA 926. **source:** Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 529000 **origin:** United States. **cultivar:** MEADE 14-2. **other id:**  
SA 928. **source:** Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 529001 **origin:** United States. **cultivar:** AHA 1950,6-1-4-66.  
**other id:** SA 929. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529002 **origin:** United States. **cultivar:** AHA 4-1. **other id:** SA  
930. **source:** Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.
- PI 529003 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** PI 194852 28 C3. **other id:** SA 933. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529004 **origin:** United States. **cultivar:** AC 4067-5. **other id:**  
SA 934. **source:** Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 529005 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** PI 194846 53 D7. **other id:** SA 935. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529006 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** PI 194850 2 CI. **other id:** SA 936. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529007 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** PI 194848 S.A. 3. **other id:** SA 937. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 529008 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** PI 194847 C 6. **other id:** SA 938. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529009 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** PI 194853 2X4. **other id:** SA 939. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529010 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** PI 194849 53 D4. **other id:** SA 940. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529011 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** PI 194845 49 D2. **other id:** SA 941. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529012 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** PI 194851 29X2. **other id:** SA 942. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529013 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** PI 194844 25 D9. **other id:** SA 943. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529014 **origin:** United States. **cultivar:** CUP LEAF. **other id:** SA 944. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529015 **origin:** United States. **cultivar:** GOLDEN CROWN. **other id:** SA 945. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529016 **origin:** United States. **cultivar:** AUBURN 56-24R. **other id:** CV-45. **source:** Crop Sci. 4(4):446 1964. **group:** CSR-COTTON. **other id:** SA 946. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529017 **origin:** United States. **cultivar:** AUBURN 81-16. **other id:** SA 947. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529018 **origin:** United States. **cultivar:** ALL-IN-ONE. **other id:** SA 948. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

- PI 529019 origin: United States. cultivar: ANDREWS. other id: SA 949. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529020 origin: United States. cultivar: BOBSHAW 1A. other id: SA 950. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529021 origin: United States. cultivar: DIXIE KING. other id: CV-40. source: Agron. J. 52(11):658 1960. group: CSR-COTTON. other id: SA 951. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529022 origin: United States. cultivar: BOBSHAW 99. other id: SA 952. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529023 origin: United States. cultivar: BOBSHAW HIGH LINTER. other id: SA 953. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529024 origin: United States. cultivar: COKER 124. other id: SA 954. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529025 origin: United States. cultivar: DELTAPINE STAPLE. other id: CV-47. source: Crop Sci. 5(2):199 1965. group: CSR-COTTON. other id: SA 955. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529026 origin: United States. cultivar: DELTAPRIDE 905. other id: SA 956. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529027 origin: United States. cultivar: DELTAPRIDE 915. other id: SA 957. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529028 origin: United States. cultivar: DORTCH 1. other id: SA 958. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529029 origin: United States. cultivar: DORTCH 4016. other id: SA 959. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529030 origin: United States. cultivar: FOX 041. other id: SA 960. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529031 origin: United States. cultivar: HALE 33. other id: SA 961. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529032 origin: United States. cultivar: HIBRED. other id: SA 962. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529033 origin: United States. cultivar: MAGNOLIA. other id: SA 963. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529034 origin: United States. cultivar: LA. 33X14. other id: SA 964. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529035 origin: United States. cultivar: PLAINS. other id: CV-44. source: Crop Sci. 4(4):445 1964. group: CSR-COTTON. other id: SA 965. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529036 origin: United States. cultivar: PAYMASTER 54B. other id: SA 966. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529037 origin: United States. cultivar: SPEARS 3. other id: SA 967. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529038 origin: United States. cultivar: STONEVILLE 3202. other id: SA 968. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529039 origin: United States. cultivar: T-89. other id: SA 969. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529040 origin: United States. cultivar: STARDEL. other id: SA 970. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529041 origin: United States. cultivar: STONEVILLE 7. other id: SA 971. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529042 origin: United States. cultivar: PAULA 400. other id: SA 972. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529043 **origin:** United States. **cultivar:** SPEARS UPLAND EARLY LONG STAPLE. **other id:** SA 974. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529044 **origin:** United States. **cultivar:** TUXTULA SMALL BRACT 1. **other id:** SA 975. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529045 **origin:** United States. **cultivar:** TUXTULA SMALL BRACT 2. **other id:** SA 976. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529046 **origin:** Colombia. **historical origin:** United States. **cultivar:** COLUMBIAN. **other id:** SA 977. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529047 **origin:** United States. **cultivar:** EARLY FLUFF. **other id:** SA 978. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529048 **origin:** United States. **cultivar:** GLANDLESS BOLL 1. **other id:** SA 979. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529049 **origin:** United States. **cultivar:** STRAIN 1 D2. **other id:** SA 980. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529050 **origin:** United States. **cultivar:** MULTIPLE LOCK, WEST TEX. **other id:** SA 981. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529051 **origin:** South Africa. **historical origin:** United States. **cultivar:** 5143. **other id:** SA 982. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529052 **origin:** South Africa. **historical origin:** United States. **cultivar:** A 460. **other id:** SA 983. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529053 **origin:** South Africa. **historical origin:** United States. **cultivar:** A 2106. **other id:** SA 984. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529054 **origin:** South Africa. **historical origin:** United States. **cultivar:** A 7215. **other id:** SA 985. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.



PI 528418 to 529641-continued

- PI 529055 origin: Argentina. historical origin: United States. cultivar: SAENZ PENA 61. other id: SA 986. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529056 origin: Argentina. historical origin: United States. cultivar: SAENZ PENA 85. other id: SA 987. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529057 origin: United States. cultivar: DURANGO. other id: SA 988. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529058 origin: United States. cultivar: DURANGO 1951 INTRODUCTION. other id: SA 989. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529059 origin: United States. cultivar: DURANGO 18. other id: SA 990. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529060 origin: United States. cultivar: DURANGO E-10-A-24. other id: SA 991. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529061 origin: United States. cultivar: DURANGO E-44-45. other id: SA 992. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529062 origin: United States. cultivar: DURANGO E-44-50. other id: SA 993. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529063 origin: United States. cultivar: DURANGO. other id: SA 994. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529064 origin: United States. cultivar: DURANGO 18-D-12-0. other id: SA 995. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529065 origin: United States. cultivar: POPE. other id: CV-43. source: Crop Sci. 4(4):445 1964. group: CSR-COTTON. other id: SA 996. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529066 origin: United States. cultivar: T-92. other id: SA 997. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529067 **origin:** United States. **cultivar:** DES 716. **other id:** SA 998. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529068 **origin:** United States. **cultivar:** DES 717. **other id:** SA 999. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529069 **origin:** United States. **cultivar:** DES 723. **other id:** SA 1000. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529070 **origin:** United States. **cultivar:** HOPI ORAIBI. **other id:** SA 1001. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529071 **origin:** United States. **cultivar:** H.A. 8. **other id:** SA 1002. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529072 **origin:** United States. **cultivar:** YELLOW GREEN, RUGOSE CH DW. **other id:** SA 1003. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529073 **origin:** United States. **cultivar:** STORM KING T.P.S.A. NO. 1. **other id:** SA 1004. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529074 **origin:** United States. **cultivar:** LANKART SEL. 57. **other id:** SA 1005. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529075 **origin:** United States. **cultivar:** LANKART SEL. 611. **other id:** SA 1006. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529076 **origin:** United States. **cultivar:** WACONA 8. **other id:** SA 1007. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529077 **origin:** United States. **cultivar:** STUFFLEBEME STORMPROOF. **other id:** SA 1008. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529078 **origin:** United States. **cultivar:** DUNN 24BR. **other id:** SA 1009. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529079 origin: United States. cultivar: AUSTIN. other id: CV-41. source: Agron. J. 52(11):658 1960. group: CSR-COTTON. other id: SA 1010. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529080 origin: United States. cultivar: ANTON 22. other id: SA 1011. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529081 origin: United States. cultivar: BRAZOS. other id: SA 1012. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529082 origin: United States. cultivar: NORTHERN STAR 5. other id: SA 1013. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529083 origin: United States. cultivar: NORTHERN STAR 4-11. other id: SA 1014. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529084 origin: United States. cultivar: QUALLA 60-8. other id: SA 1015. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529085 origin: United States. cultivar: ANTON STORMPROOF 99. other id: SA 1016. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529086 origin: United States. cultivar: LOCKETT 88A. other id: SA 1017. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529087 origin: United States. cultivar: TIDELAND T.P.S.A. NO. 1. other id: SA 1018. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529088 origin: United States. cultivar: WESTERN STORMPROOF. other id: SA 1019. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529089 origin: United States. cultivar: BLIGHTMASTER. other id: SA 1020. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529090 origin: United States. cultivar: PAYMASTER 101. other id: SA 1021. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529091 **origin:** United States. **cultivar:** PAYMASTER 54B. **other id:** SA 1022. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529092 **origin:** United States. **cultivar:** MALONE'S MACHINE HARVESTER. **other id:** SA 1023. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529093 **origin:** United States. **cultivar:** WATSON'S STORMPROOF. **other id:** SA 1024. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529094 **origin:** United States. **cultivar:** GREGG. **other id:** SA 1025. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529095 **origin:** United States. **cultivar:** ANTON 105. **other id:** SA 1026. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529096 **origin:** United States. **cultivar:** RILCOT. **other id:** SA 1027. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529097 **origin:** United States. **cultivar:** WESCOT. **other id:** SA 1028. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529098 **origin:** United States. **cultivar:** BAGLEY STORM TEX 157. **other id:** SA 1029. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529099 **origin:** United States. **cultivar:** STONEVILLE 426. **other id:** SA 1030. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529100 **origin:** United States. **cultivar:** STONEVILLE 508. **other id:** SA 1031. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529101 **origin:** United States. **cultivar:** STONEVILLE 3202-11571. **other id:** SA 1032. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529102 **origin:** United States. **cultivar:** STONEVILLE 3202-43052. **other id:** SA 1033. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529103 **origin:** United States. **cultivar:** 8 14A2. **other id:** SA 1034. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529104 **origin:** United States. **cultivar:** SLS 1000. **other id:** SA 1035. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529105 **origin:** United States. **cultivar:** SLS 21726. **other id:** SA 1036. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529106 **origin:** United States. **cultivar:** SLS 51130. **other id:** SA 1037. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529107 **origin:** United States. **cultivar:** PARROTT. **other id:** SA 1038. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529108 **origin:** United States. **cultivar:** STONEVILLE 62. **other id:** SA 1039. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529109 **origin:** United States. **cultivar:** ACALA 1517C. **other id:** CV-64. **source:** Crop Sci. 18(1):163 1978. **group:** CSR-COTTON. **other id:** SA 1040. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529110 **origin:** United States. **cultivar:** LANKART 57-22. **other id:** SA 1041. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529111 **origin:** United States. **cultivar:** NORTHERN STAR 1. **other id:** SA 1042. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529112 **origin:** United States. **cultivar:** ACALA, MESSILLA VALLEY 898. **other id:** SA 1043. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529113 **origin:** United States. **cultivar:** STORM KING T.P.S.A. NO. 41. **other id:** SA 1044. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529114 **origin:** United States. **cultivar:** ACALA 44. **other id:** SA 1045. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529115 **origin:** United States. **cultivar:** LOCKETT 1. **other id:** SA 1046. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529116 **origin:** United States. **cultivar:** ACALE 4-42. **other id:** SA 1047. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529117 **origin:** United States. **cultivar:** TEXACALA. **other id:** CV-35. **source:** J. Am. Soc. Agron. 32(1):83 1940. **group:** CSR-COTTON. **other id:** SA 1048. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529118 **origin:** United States. **cultivar:** ACALE,4-42WR. **other id:** SA 1049. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529119 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** CB 3148. **other id:** SA 1050. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529120 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** CB 3149. **other id:** SA 1051. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529121 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** 51.041(V1508). **other id:** SA 1052. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529122 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** 108F. **other id:** SA 1053. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529123 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** M4. **other id:** SA 1054. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529124 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** M 100. **other id:** SA 1055. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529125 **origin:** United States. **cultivar:** COKER 100A. **other id:** SA 1056. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529126 **origin:** United States. **cultivar:** COKER 124C. **other id:** SA 1057. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529127 **origin:** United States. **cultivar:** DELFOS 8274. **other id:** SA 1058. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529128 **origin:** United States. **cultivar:** ACALA 1517D. **other id:** SA 1059. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529129 **origin:** United States. **cultivar:** FOX 4205-7139. **other id:** SA 1060. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529130 **origin:** United States. **cultivar:** DPL 1279-5128. **other id:** SA 1061. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529131 **origin:** United States. **cultivar:** DPL 523M-328-4852. **other id:** SA 1062. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529132 **origin:** United States. **cultivar:** DPL 5317-42-56-65. **other id:** SA 1063. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529133 **origin:** United States. **cultivar:** B1. **other id:** SA 1064. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529134 **origin:** United States. **cultivar:** BS. **other id:** SA 1065. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529135 **origin:** United States. **cultivar:** BN. **other id:** SA 1066. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529136 **origin:** United States. **cultivar:** BL. **other id:** SA 1067. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529137 **origin:** United States. **cultivar:** B7. **other id:** SA 1068. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529138 **origin:** United States. **cultivar:** CR-4. **other id:** SA 1069. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529139 **origin:** United States. **cultivar:** CB 2840. **other id:** SA 1070. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529140 **origin:** United States. **cultivar:** REX. **other id:** SA 1071. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529141 origin: United States. cultivar: BOBSHAW HIGH LINTER.  
other id: SA 1072. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529142 origin: United States. cultivar: BOBSHAW HYBRID 82.  
other id: SA 1073. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529143 origin: United States. cultivar: DELTAPRIDE - 905.  
other id: SA 1074. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529144 origin: United States. cultivar: DIXIE KING 631. other  
id: SA 1075. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529145 origin: United States. cultivar: DIXIE KING 6374. other  
id: SA 1076. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529146 origin: United States. cultivar: DIXIE KING 6448. other  
id: SA 1077. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529147 origin: United States. cultivar: ACALA, N.M. 8893.  
other id: SA 1078. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529148 origin: United States. cultivar: 681-C. other id: SA  
1079. source: Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.
- PI 529149 origin: UNKNOWN. historical origin: United States.  
cultivar: 942. other id: SA 1080. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529150 origin: UNKNOWN. historical origin: United States.  
cultivar: 944. other id: SA 1081. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529151 origin: UNKNOWN. historical origin: United States.  
cultivar: TIMOK 811. other id: SA 1082. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529152 origin: UNKNOWN. historical origin: United States.  
cultivar: A.M. 7. other id: SA 1083. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.



PI 528418 to 529641-continued

- PI 529153 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** 182. **other id:** SA 1084. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529154 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** CB 3031. **other id:** SA 1085. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529155 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** CB 3080. **other id:** SA 1086. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529156 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** CB 3101. **other id:** SA 1087. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529157 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** CB 3106A. **other id:** SA 1088. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529158 **origin:** UNKNOWN. **historical origin:** United States.  
**cultivar:** CB 3106B. **other id:** SA 1089. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529159 **origin:** United States. **cultivar:** MS-1. **other id:** SA  
1090. **source:** Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.
- PI 529160 **origin:** United States. **cultivar:** FS-1. **other id:** SA  
1091. **source:** Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.
- \* PI 529161 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **historical origin:** UNKNOWN.  
**cultivar:** PIMA S-1. Seed.
- \* PI 529162 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **cultivar:** PIMA S-2. **other id:**  
CV-57. **source:** Crop Sci. 16(4):603 1976. **group:**  
CSR-COTTON. Cultivar. Seed.
- PI 529163 **origin:** United States. **cultivar:** H.A. 11. **other id:** SA  
1094. **source:** Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529164 origin: United States. cultivar: FOX BIG BOLL. other id: SA 1095. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529165 origin: United States. cultivar: AK DJURA HIGG BROWN. other id: SA 1096. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529166 origin: United States. cultivar: H.A. 9. other id: SA 1100. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529167 origin: United States. cultivar: 124-68-6-10. other id: SA 1101. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529168 origin: United States. cultivar: QC ACALA. other id: SA 1102. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529169 origin: United States. historical origin: United States. cultivar: ACALA 5. other id: CV-1. source: J. Am. Soc. Agron. 28(1):69 1936. group: CSR-COTTON. other id: SA 1103. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529170 origin: United States. cultivar: D2 SMOOTH MUTANT. other id: SA 1104. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529171 origin: United States. cultivar: SANTAN ACALA 25. other id: SA 1105. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529172 origin: Soviet Union. historical origin: United States. cultivar: CB 3423. other id: SA 1106. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529173 origin: Soviet Union. historical origin: United States. cultivar: CB 3424. other id: SA 1107. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529174 origin: Soviet Union. historical origin: United States. cultivar: CB 3425. other id: SA 1108. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529175 origin: United States. cultivar: KEKCHI 4. other id: SA 1109. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529176 **origin:** Yugoslavia. **historical origin:** United States. **cultivar:** EARLY UPLAND FROM YUGOSLAVIA. **other id:** SA 1110. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529177 **origin:** United States. **cultivar:** ACALE 2. **other id:** SA 1111. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529178 **origin:** United States. **cultivar:** MEBAKEN 1112. **other id:** SA 1112. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529179 **origin:** United States. **historical origin:** United States. **cultivar:** EMPIRE. **other id:** CV-38. **source:** Agron. J. 42(1):53 1950. **group:** CSR-COTTON. **other id:** SA 1113. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529180 **origin:** United States. **cultivar:** JL-1-S (MS). **other id:** SA 1114. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529181 **origin:** United States. **cultivar:** F-2-C-10. **other id:** SA 1115. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529182 **origin:** United States. **cultivar:** NC-4-M (3). **other id:** SA 1116. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529183 **origin:** United States. **cultivar:** GLANDLESS NC-1. **other id:** SA 1117. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529184 **origin:** United States. **cultivar:** N.C. MARGIN. **other id:** SA 1118. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529185 **origin:** United States. **cultivar:** MII. **other id:** SA 1119. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529186 **origin:** United States. **cultivar:** WESTEX. **other id:** SA 1120. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529187 **origin:** United States. **cultivar:** M8. **other id:** SA 1121. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529188 **origin:** United States. **cultivar:** LOCKETT 4789. **other id:** SA 1122. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529189 **origin:** United States. **cultivar:** GREGG 35. **other id:** SA 1123. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529190 **origin:** United States. **cultivar:** WESTERN STORMPROOF. **other id:** SA 1124. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529191 **origin:** United States. **cultivar:** SMOOTH LEAF, TPSA-41. **other id:** SA 1125. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529192 **origin:** United States. **cultivar:** SMOOTH LEAF, TPSA-35. **other id:** SA 1126. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529193 **origin:** United States. **cultivar:** NORTHERN STAR 4-11. **other id:** SA 1127. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529194 **origin:** United States. **cultivar:** TIDELAND, TPSA-69. **other id:** SA 1128. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529195 **origin:** United States. **cultivar:** MALONE'S MACHINE HARVESTER. **other id:** SA 1129. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529196 **origin:** United States. **cultivar:** DELTAPINE TPSA. **other id:** SA 1130. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529197 **origin:** United States. **cultivar:** LANKART SEL. 57. **other id:** SA 1131. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529198 **origin:** United States. **cultivar:** STORMKING, TPSA NO. 1. **other id:** SA 1132. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529199 **origin:** United States. **cultivar:** ANTON STORMPROOF 99. **other id:** SA 1133. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529200 **origin:** United States. **cultivar:** NORTHERN STAR 5. **other id:** SA 1134. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529201 **origin:** United States. **cultivar:** WATSON STORMPROOF B-29. **other id:** SA 1135. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529202 **origin:** United States. **cultivar:** BLIGHT MASTER. **other id:** SA 1136. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529203 **origin:** United States. **cultivar:** AUSTIN. **other id:** SA 1137. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529204 **origin:** United States. **cultivar:** RILCOT 90. **other id:** SA 1138. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529205 **origin:** United States. **cultivar:** PAYMASTER 54 B. **other id:** SA 1139. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529206 **origin:** United States. **cultivar:** PAYMASTER 101A. **other id:** SA 1140. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529207 **origin:** United States. **cultivar:** LANKART SEL. 611. **other id:** SA 1141. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529208 **origin:** United States. **cultivar:** SD-42-3. **other id:** SA 1142. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529209 **origin:** United States. **cultivar:** SD-42-7. **other id:** SA 1143. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529210 **origin:** United States. **cultivar:** EMW-63. **other id:** SA 1144. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529211 **origin:** United States. **cultivar:** AH-49-3-55-19. **other id:** SA 1145. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529212 **origin:** United States. **cultivar:** SUE-33-10. **other id:** SA 1146. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529213 **origin:** United States. **cultivar:** CRS-57-51. **other id:** SA 1147. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529214 origin: United States. historical origin: United States. cultivar: AUBURN M. other id: CV-52. source: Crop Sci. 7(4):400 1967. group: CSR-COTTON. other id: SA 1148. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529215 origin: United States. cultivar: AUBURN 56. other id: SA 1149. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529216 origin: United States. cultivar: COKER 100A (WR). other id: SA 1150. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529217 origin: United States. cultivar: DELFOS 9169. other id: SA 1151. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529218 origin: United States. cultivar: DELTAPINE 15. other id: SA 1152. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529219 origin: United States. cultivar: DELTAPINE SMOOTH LEAF. other id: CV-48. source: Crop Sci. 5(2):199 1965. group: CSR-COTTON. other id: SA 1153. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529220 origin: United States. cultivar: DELTA QUEEN. other id: SA 1154. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529221 origin: United States. cultivar: DEKALB 108. other id: SA 1155. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529222 origin: United States. cultivar: DEKALB 220. other id: SA 1156. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529223 origin: United States. cultivar: DIXIE KING. other id: SA 1157. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529224 origin: United States. cultivar: EMPIRE WR 61. other id: SA 1158. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529225 **origin:** United States. **cultivar:** FOX 4. **other id:** CV-48. **source:** Crop Sci. 5(2):199 1965. **group:** CSR-COTTON. **other id:** SA 1159. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar.** Seed.
- PI 529226 **origin:** United States. **cultivar:** REX SL. **other id:** SA 1160. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529227 **origin:** United States. **cultivar:** STARDEL. **other id:** SA 1161. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529228 **origin:** United States. **cultivar:** STONEVILLE 7A. **other id:** SA 1162. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529229 **origin:** United States. **cultivar:** STONEVILLE 213. **other id:** SA 1163. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529230 **origin:** United States. **cultivar:** STONEVILLE 3202. **other id:** SA 1164. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529231 **origin:** United States. **cultivar:** CAROLINA QUEEN. **other id:** SA 1165. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529232 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** CHRISTIDIS 53D7. **other id:** SA 1166. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529233 **origin:** India. **historical origin:** United States. **cultivar:** 320F. **other id:** SA 1167. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529234 **origin:** United States. **cultivar:** KEMP. **other id:** SA 1168. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529235 **origin:** United States. **cultivar:** VERDEN. **other id:** SA 1169. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529236 **origin:** United States. **cultivar:** BAYOU N-46. **other id:** SA 1171. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**

PI 528418 to 529641-continued

- PI 529237 origin: United States. cultivar: BAYOU N-34. other id: SA 1172. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529238 origin: United States. cultivar: BAYOU 14-4. other id: SA 1173. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529239 origin: United States. cultivar: BAYOU B-10. other id: SA 1174. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529240 origin: United States. cultivar: STONEVILLE 83612. other id: SA 1175. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529241 origin: United States. cultivar: STONEVILLE 31508. other id: SA 1176. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529242 origin: United States. cultivar: PD 2165. other id: SA 1177. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529243 origin: United States. cultivar: ACALA 1517D. other id: SA 1178. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529244 origin: United States. cultivar: HOPI ACALA. other id: SA 1179. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529245 origin: United States. cultivar: NM 9608. other id: SA 1180. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529246 origin: United States. cultivar: ACALA SJ-1. other id: SA 1181. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529247 origin: United States. cultivar: COKER 201. other id: SA 1182. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529248 origin: United States. cultivar: COKER 417. other id: SA 1183. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529249 origin: United States. cultivar: COKER 310. other id: PVP 7100021. source: Certificate in force. group: PVPO. other id: SA 1184. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.



PI 528418 to 529641-continued

- PI 529250 **origin:** United States. **cultivar:** COKER 413-68. **other id:** SA 1185. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529251 **origin:** United States. **cultivar:** DELTAPINE 16. **other id:** SA 1186. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529252 **origin:** United States. **cultivar:** DELTAPINE 45A. **other id:** SA 1187. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529253 **origin:** United States. **cultivar:** DELTAPINE 15A. **other id:** SA 1188. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529254 **origin:** United States. **cultivar:** MCNAIR 1032B. **other id:** SA 1189. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529255 **origin:** United States. **cultivar:** STONEVILLE 603. **other id:** PVP 7300057. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1190. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529256 **origin:** United States. **cultivar:** STONEVILLE 508. **other id:** SA 1191. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529257 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** MO-DEL. **other id:** SA 1192. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529258 **origin:** United States. **cultivar:** DELCOT 277. **other id:** CV-55. **source:** Crop Sci. 12(1):126 1972. **group:** CSR-COTTON. **other id:** PVP 7900015. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1193. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar. Seed.**
- PI 529259 **origin:** United States. **cultivar:** PAYMASTER 111. **other id:** SA 1194. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529260 **origin:** United States. **cultivar:** PAYMASTER DWARF. **other id:** PVP 7300013. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1195. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**

PI 528418 to 529641-continued

- PI 529261 **origin:** United States. **cultivar:** LOCKETT 4789A. **other id:** SA 1196. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529262 **origin:** United States. **cultivar:** ARKANSAS 6128. **other id:** SA 1197. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529263 **origin:** United States. **cultivar:** STONEVILLE 7A OKRA. **other id:** SA 1198. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529264 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** CB 4006 10-193. **other id:** SA 1199. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529265 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** CB 4007 10-196. **other id:** SA 1200. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529266 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** CB 4008. **other id:** SA 1201. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529267 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** AK DJURA 182. **other id:** SA 1202. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529268 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** CB 4010 BATYR. **other id:** SA 1203. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529269 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** CB 4011 DEHKANIN. **other id:** SA 1204. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529270 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** CB 4012 KING KARAJAZSY. **other id:** SA 1205. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529271 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** CB 4013 KK1083. **other id:** SA 1206. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529272 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** CB 4014 NAVRACKY. **other id:** SA 1207. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529273 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** CB 4015 SREDER. **other id:** SA 1208. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529274 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** CB 4016 TRIUMPH. **other id:** SA 1209. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529275 **origin:** Venezuela. **historical origin:** United States. **cultivar:** CENTRAL (SEL COKER 100). **other id:** SA 1210. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529276 **origin:** United States. **cultivar:** AZ 64. **other id:** SA 1211. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529277 **origin:** Mexico. **historical origin:** United States. **cultivar:** MEXICO 910. **other id:** SA 1212. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529278 **origin:** United States. **cultivar:** COKER 312. **other id:** PVP 7200100. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1213. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529279 **origin:** United States. **cultivar:** COKER 5110. **other id:** PVP 7200101. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1214. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529280 **origin:** United States. **cultivar:** DELTAPINE 25. **other id:** SA 1215. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529281 **origin:** United States. **cultivar:** DELTAPINE 5916-65. **other id:** SA 1216. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529282 **origin:** United States. **cultivar:** DELTAPINE 55 (652-679). **other id:** SA 1217. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529283 **origin:** United States. **cultivar:** DES 89-11-10. **other id:** SA 1218. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529284 **origin:** United States. **cultivar:** DES 2134-13. **other id:** SA 1219. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529285 **origin:** United States. **cultivar:** DES 21326-04. **other id:** SA 1220. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529286 **origin:** United States. **cultivar:** STONEVILLE 618 BBR. **other id:** SA 1221. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529287 **origin:** United States. **cultivar:** STONEVILLE 108 SR. **other id:** SA 1222. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529288 **origin:** United States. **cultivar:** STONEVILLE 256-315. **other id:** SA 1223. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529289 **origin:** United States. **cultivar:** STONEVILLE 504. **other id:** SA 1224. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529290 **origin:** United States. **cultivar:** ACALA 1517-70. **other id:** CV-66. **source:** Crop Sci. 18(1):164 1978. **group:** CSR-COTTON. **other id:** SA 1225. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529291 **origin:** United States. **cultivar:** STONEVILLE 213-2208. **other id:** SA 1226. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529292 **origin:** India. **historical origin:** United States. **cultivar:** NAIR GREEN SEED. **other id:** SA 1227. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529293 **origin:** El Salvador. **historical origin:** United States. **cultivar:** ADD/1. **other id:** SA 1228. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529294 **origin:** El Salvador. **historical origin:** United States. **cultivar:** COPAL. **other id:** SA 1229. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529295 **origin:** Bulgaria. **historical origin:** United States.  
**cultivar:** 73. **other id:** SA 1230. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529296 **origin:** Pakistan. **historical origin:** United States.  
**cultivar:** AC 134. **other id:** SA 1232. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529297 **origin:** Pakistan. **historical origin:** United States.  
**cultivar:** LISINA 11. **other id:** SA 1234. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529298 **origin:** Pakistan. **historical origin:** United States.  
**cultivar:** LSS. **other id:** SA 1235. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529299 **origin:** Pakistan. **historical origin:** United States.  
**cultivar:** M4 NT SIND. **other id:** SA 1236. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529300 **origin:** Pakistan. **historical origin:** United States.  
**cultivar:** CB 4024 PAK 51. **other id:** SA 1237. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529301 **origin:** Pakistan. **historical origin:** United States.  
**cultivar:** CB 4025 PAK 4F. **other id:** SA 1238. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529302 **origin:** Mali. **historical origin:** United States.  
**cultivar:** ALLEN 333-61. **other id:** SA 1240. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529303 **origin:** Uganda. **historical origin:** United States.  
**cultivar:** AH (67) M. **other id:** SA 1241. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529304 **origin:** Uganda. **historical origin:** United States.  
**cultivar:** BP 52/NC 63. **other id:** SA 1242. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529305 **origin:** Uganda. **historical origin:** United States.  
**cultivar:** BPA 68. **other id:** SA 1243. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 529306 origin: Uganda. historical origin: United States.  
cultivar: CA (68) 36. other id: SA 1244. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529307 origin: Uganda. historical origin: United States.  
cultivar: CA (68) 41. other id: SA 1245. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529308 origin: Uganda. historical origin: United States.  
cultivar: SATU 65. other id: SA 1246. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529309 origin: Bulgaria. historical origin: United States.  
cultivar: 3279. other id: SA 1247. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529310 origin: Bulgaria. historical origin: United States.  
cultivar: 3996. other id: SA 1248. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529311 origin: Thailand. historical origin: United States.  
cultivar: SK32. other id: SA 1250. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529312 origin: Soviet Union. historical origin: United States.  
cultivar: C-1211. other id: SA 1251. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529313 origin: Soviet Union. historical origin: United States.  
cultivar: CX 349. other id: SA 1252. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529314 origin: Soviet Union. historical origin: United States.  
cultivar: 108F. other id: SA 1253. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529315 origin: Soviet Union. historical origin: United States.  
cultivar: 152F. other id: SA 1254. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529316 origin: Soviet Union. historical origin: United States.  
cultivar: 138F. other id: SA 1256. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529317 origin: Brazil. historical origin: United States.  
cultivar: VERDAO. other id: SA 1260. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529318 origin: France. historical origin: United States.  
cultivar: ALLEN 33. other id: SA 1262. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529319 origin: Uganda. historical origin: United States.  
cultivar: ALBACALA 7. other id: SA 1263. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529320 origin: Uganda. historical origin: United States.  
cultivar: ALBACALA 17. other id: SA 1264. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529321 origin: Uganda. historical origin: United States.  
cultivar: ALBACALA. other id: SA 1265. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529322 origin: Uganda. historical origin: United States.  
cultivar: CA 17. other id: SA 1266. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529323 origin: Uganda. historical origin: United States.  
cultivar: CA 23. other id: SA 1267. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529324 origin: Uganda. historical origin: United States.  
cultivar: CA 30. other id: SA 1268. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529325 origin: Chad. historical origin: United States.  
cultivar: REBA B 50. other id: SA 1269. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529326 origin: Syria. historical origin: United States.  
cultivar: STRAIN 98. other id: SA 1270. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529327 origin: Syria. historical origin: United States.  
cultivar: STRAIN 547. other id: SA 1271. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 529328 origin: Syria. historical origin: United States.  
cultivar: STRAIN 86. other id: SA 1272. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529329 origin: Swaziland. historical origin: United States.  
cultivar: ALBACALA 70. other id: SA 1273. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529330 origin: Swaziland. historical origin: United States.  
cultivar: ALBACALA 72. other id: SA 1274. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529331 origin: Swaziland. historical origin: United States.  
cultivar: ALA 70-1. other id: SA 1275. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529332 origin: Swaziland. historical origin: United States.  
cultivar: ALA 70-11. other id: SA 1276. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529333 origin: Swaziland. historical origin: United States.  
cultivar: ALA 70-19. other id: SA 1277. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529334 origin: Swaziland. historical origin: United States.  
cultivar: ALA 71-1. other id: SA 1278. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529335 origin: Swaziland. historical origin: United States.  
cultivar: ALA 71-6. other id: SA 1279. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529336 origin: Swaziland. historical origin: United States.  
cultivar: ALA 69-128. other id: SA 1280. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529337 origin: Swaziland. historical origin: United States.  
cultivar: ALA 69-132. other id: SA 1281. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.



PI 528418 to 529641-continued

- PI 529338 **origin:** Swaziland. **historical origin:** United States.  
**cultivar:** ALA 70-215. **other id:** SA 1282. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529339 **origin:** Swaziland. **historical origin:** United States.  
**cultivar:** ALA 70-236. **other id:** SA 1283. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529340 **origin:** Swaziland. **historical origin:** United States.  
**cultivar:** ALA 70-230. **other id:** SA 1284. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529341 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UK 64. **other id:** SA 1285. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529342 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UKA B1-(72) 047. **other id:** SA 1286. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529343 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UKA B1-(72) 049. **other id:** SA 1287. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529344 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UKA B1-(72) 54. **other id:** SA 1288. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529345 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UKA B2-(72) 193. **other id:** SA 1289. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529346 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UKA J1-(72) 004. **other id:** SA 1290. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529347 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UKA J2 (72) 017. **other id:** SA 1291. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 529348 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UKA J3 (72) 029. **other id:** SA 1292. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529349 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UKA J3 (72) 036. **other id:** SA 1293. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529350 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UKA J3 (72) 137. **other id:** SA 1294. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529351 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UKA S1 (72) 070. **other id:** SA 1295. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529352 **origin:** Tanzania. **historical origin:** United States.  
**cultivar:** UKA S2 (72) 174. **other id:** SA 1296. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529353 **origin:** Mozambique. **historical origin:** United States.  
**cultivar:** A-618. **other id:** SA 1297. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529354 **origin:** Mozambique. **historical origin:** United States.  
**cultivar:** A-637. **other id:** SA 1298. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529355 **origin:** Mozambique. **historical origin:** United States.  
**cultivar:** A-637-24. **other id:** SA 1299. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529356 **origin:** Mozambique. **historical origin:** United States.  
**cultivar:** A-637-33. **other id:** SA 1300. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529357 **origin:** Mozambique. **historical origin:** United States.  
**cultivar:** SBL 2. **other id:** SA 1301. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529358 **origin:** Brazil. **historical origin:** United States.  
**cultivar:** DEL CERRO. **other id:** SA 1302. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 529359 **origin:** Brazil. **historical origin:** United States.  
**cultivar:** IAC 13-1. **other id:** SA 1303. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529360 **origin:** Brazil. **historical origin:** United States.  
**cultivar:** IAC-RM 4-SM5. **other id:** SA 1304. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529361 **origin:** Brazil. **historical origin:** United States.  
**cultivar:** SL 7-1. **other id:** SA 1305. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529362 **origin:** Brazil. **historical origin:** United States.  
**cultivar:** SL 8. **other id:** SA 1306. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529363 **origin:** Brazil. **historical origin:** United States.  
**cultivar:** SL 23-6879. **other id:** SA 1307. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529364 **origin:** Brazil. **historical origin:** United States.  
**cultivar:** SU 0450-8909. **other id:** SA 1308. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529365 **origin:** Australia. **historical origin:** United States.  
**cultivar:** G-O 81-9-11-1-6. **other id:** SA 1309. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529366 **origin:** Australia. **historical origin:** United States.  
**cultivar:** G 245-2-4. **other id:** SA 1310. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529367 **origin:** Australia. **historical origin:** United States.  
**cultivar:** KIMDEL 11. **other id:** SA 1311. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529368 **origin:** Australia. **historical origin:** United States.  
**cultivar:** Acala 6010-15-U OKRA. **other id:** SA 1312.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529369 **origin:** Australia. **historical origin:** United States.  
**cultivar:** Acala 6010-21-10 OKRA. **other id:** SA 1313.  
**source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529370 **origin:** Australia. **historical origin:** United States.  
**cultivar:** Acala 6010-27-15 OKRA. **other id:** SA 1314.  
**source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529371 **origin:** Australia. **historical origin:** United States.  
**cultivar:** Acala 6010-27-10 OKRA. **other id:** SA 1315.  
**source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529372 **origin:** Yugoslavia. **historical origin:** United States.  
**cultivar:** A/II. **other id:** SA 1316. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529373 **origin:** Yugoslavia. **historical origin:** United States.  
**cultivar:** 104. **other id:** SA 1317. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529374 **origin:** Yugoslavia. **historical origin:** United States.  
**cultivar:** 105. **other id:** SA 1318. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529375 **origin:** Yugoslavia. **historical origin:** United States.  
**cultivar:** 5086. **other id:** SA 1319. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529376 **origin:** Yugoslavia. **historical origin:** United States.  
**cultivar:** 5087. **other id:** SA 1320. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529377 **origin:** Yugoslavia. **historical origin:** United States.  
**cultivar:** 5097. **other id:** SA 1321. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529378 **origin:** Yugoslavia. **historical origin:** United States.  
**cultivar:** 5103. **other id:** SA 1322. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529379 **origin:** Ivory Coast. **historical origin:** United States.  
**cultivar:** HAR T 120-7. **other id:** SA 1323. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529380 **origin:** Ivory Coast. **historical origin:** United States.  
**cultivar:** HAR T 399-19. **other id:** SA 1324. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529381 **origin:** Ivory Coast. **historical origin:** United States. **cultivar:** HAR U 585-12. **other id:** SA 1325. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529382 **origin:** Chad. **historical origin:** United States. **cultivar:** BJAGL NECT. **other id:** SA 1326. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529383 **origin:** Chad. **historical origin:** United States. **cultivar:** F 280. **other id:** SA 1327. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529384 **origin:** Chad. **historical origin:** United States. **cultivar:** F 281. **other id:** SA 1328. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529385 **origin:** Chad. **historical origin:** United States. **cultivar:** PAN 575. **other id:** SA 1329. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529386 **origin:** Chad. **historical origin:** United States. **cultivar:** REBA P 279. **other id:** SA 1330. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529387 **origin:** Nigeria. **historical origin:** United States. **cultivar:** REBA W 296. **other id:** SA 1331. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529388 **origin:** United States. **cultivar:** DIXIE KING III (B9702). **other id:** SA 1332. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529389 **origin:** United States. **cultivar:** STONEVILLE 731N (98731). **other id:** PVP 7600048. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1333. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529390 **origin:** United States. **cultivar:** STONEVILLE 256 (79256). **other id:** SA 1334. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529391 **origin:** United States. **cultivar:** STONEVILLE 603 (80492). **other id:** SA 1335. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529392 **origin:** United States. **cultivar:** STONEVILLE 213 (82271).  
**other id:** SA 1336. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529393 **origin:** China. **historical origin:** United States.  
**cultivar:** HUE-I-SANI. **other id:** SA 1337. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529394 **origin:** China. **historical origin:** United States.  
**cultivar:** LU-V-2. **other id:** SA 1338. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529395 **origin:** China. **historical origin:** United States.  
**cultivar:** SHAN-3850. **other id:** SA 1339. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529396 **origin:** China. **historical origin:** United States.  
**cultivar:** SMALL LEAF. **other id:** SA 1340. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529397 **origin:** China. **historical origin:** United States.  
**cultivar:** SHAN MIENNE. **other id:** SA 1341. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529398 **origin:** China. **historical origin:** United States.  
**cultivar:** KANG BIN CHANG MIENNE. **other id:** SA 1342.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 529399 **origin:** China. **historical origin:** United States.  
**cultivar:** CHONG MIENNE SOUA. **other id:** SA 1343. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529400 **origin:** China. **historical origin:** United States.  
**cultivar:** CHINA 401. **other id:** SA 1344. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529401 **origin:** China. **historical origin:** United States.  
**cultivar:** KIANGSU COTTON. **other id:** SA 1345. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 529402 **origin:** China. **historical origin:** United States.  
**cultivar:** LOU MIENNE. **other id:** SA 1346. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529403 **origin:** China. **historical origin:** United States.  
**cultivar:** SHU TCHO. **other id:** SA 1347. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529404 **origin:** Brazil. **historical origin:** United States.  
**cultivar:** IAC 17. **other id:** SA 1348. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529405 **origin:** Brazil. **historical origin:** United States.  
**cultivar:** IAC 18. **other id:** SA 1349. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529406 **origin:** Guatemala. **historical origin:** United States.  
**cultivar:** WC 2431. **other id:** SA 1351. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529407 **origin:** China. **historical origin:** United States.  
**cultivar:** CHINA 613. **other id:** SA 1352. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529408 **origin:** China. **historical origin:** United States.  
**cultivar:** CHIANGSU MIN. 1. **other id:** SA 1353. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529409 **origin:** United States. **cultivar:** LA 213-OKRA LEAF L.  
**other id:** SA 1354. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529410 **origin:** United States. **cultivar:** LA 213 SEA ISLAND LEAF  
L. **other id:** SA 1355. **source:** Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.
- PI 529411 **origin:** United States. **cultivar:** LA 213-FREGO. **other**  
**id:** SA 1356. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529412 **origin:** United States. **cultivar:** LA 213-NECTARILESS.  
**other id:** SA 1357. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529413 origin: United States. cultivar: LA 213-SUPER OKRA.  
other id: SA 1358. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529414 origin: United States. cultivar: LA 213-613 RECURRENT  
PARENT. other id: SA 1359. source: Mississippi Obsolete  
Variety Collection - G. hirsutum. Seed.
- PI 529415 origin: United States. cultivar: LA 213-RED DARWINII.  
other id: SA 1360. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529416 origin: United States. cultivar: LA 213-RED LEAF. other  
id: SA 1361. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529417 origin: United States. cultivar: LA 213-RED STEM. other  
id: SA 1362. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529418 origin: United States. cultivar: LA 213-RED MARGIN.  
other id: SA 1363. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529419 origin: United States. cultivar: LA 213-RED VEIN. other  
id: SA 1364. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529420 origin: United States. cultivar: LA OKRA 5-5. other id:  
SA 1365. source: Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 529421 origin: United States. cultivar: LA 15177-392 SM2.  
other id: SA 1366. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529422 origin: United States. cultivar: LA 17800-SM2NE. other  
id: SA 1367. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529423 origin: United States. cultivar: LA 17801-SM2NE. other  
id: SA 1368. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529424 origin: United States. cultivar: LA 13212 RED STEM.  
other id: SA 1369. source: Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529425 origin: United States. cultivar: C6-5. other id: SA  
1370. source: Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.



PI 528418 to 529641-continued

- PI 529426 origin: United States. cultivar: 46-124-74. other id: SA 1371. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529427 origin: United States. cultivar: ACALA 29. other id: SA 1372. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529428 origin: United States. cultivar: ACALA 51. other id: SA 1373. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529429 origin: United States. cultivar: MISSDEL X P 18C. other id: SA 1374. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529430 origin: United States. cultivar: BALLARDS B10. other id: SA 1375. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529431 origin: United States. cultivar: R-14 (HAEF). other id: SA 1376. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529432 origin: United States. cultivar: 6-1-5. other id: SA 1377. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529433 origin: United States. cultivar: 1 X 11. other id: SA 1378. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529434 origin: United States. cultivar: TH 458. other id: SA 1379. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529435 origin: United States. cultivar: HA 1-9. other id: SA 1380. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529436 origin: United States. cultivar: TH 386-2758. other id: SA 1381. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529437 origin: United States. cultivar: (CONGS X THEF) X (STA.C X A29). other id: SA 1382. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529438 origin: United States. cultivar: C6TE-565. other id: SA 1383. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529439 **origin:** United States. **cultivar:** CAL. 7-8. **other id:** SA 1384. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529440 **origin:** United States. **cultivar:** CAL-7-5. **other id:** SA 1385. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529441 **origin:** United States. **cultivar:** ACALA 40 (50-54). **other id:** SA 1386. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529442 **origin:** United States. **cultivar:** A68(224-272). **other id:** SA 1387. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529443 **origin:** United States. **cultivar:** S196(1968). **other id:** SA 1388. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529444 **origin:** United States. **cultivar:** ACALA 4-42(1964). **other id:** SA 1389. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529445 **origin:** United States. **cultivar:** 1-62. **other id:** SA 1390. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529446 **origin:** United States. **cultivar:** 8-42(1963). **other id:** SA 1391. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529447 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** TASHKENT I. **other id:** SA 1392. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529448 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** TASHKENT II. **other id:** SA 1393. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529449 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** TASHKENT III. **other id:** SA 1394. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529450 **origin:** Syria. **historical origin:** United States. **cultivar:** ALEPPO I. **other id:** SA 1395. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529451 **origin:** Syria. **historical origin:** United States.  
**cultivar:** COKER 124B (SYRIAN). **other id:** SA 1396.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 529452 **origin:** United States. **cultivar:** S918-12302 RESEL..  
**other id:** SA 1397. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529453 **origin:** United States. **cultivar:** S845-12302 RESEL..  
**other id:** SA 1398. **source:** Mississippi Obsolete Variety  
Collection - G. hirsutum. Seed.
- PI 529454 **origin:** United States. **cultivar:** SS106-P18C. **other id:**  
SA 1399. **source:** Mississippi Obsolete Variety Collection  
- G. hirsutum. Seed.
- PI 529455 **origin:** Soviet Union. **historical origin:** United States.  
**cultivar:** 133. **other id:** SA 1400. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529456 **origin:** Soviet Union. **historical origin:** United States.  
**cultivar:** 153F. **other id:** SA 1401. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529457 **origin:** Soviet Union. **historical origin:** United States.  
**cultivar:** 3038. **other id:** SA 1402. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529458 **origin:** Soviet Union. **historical origin:** United States.  
**cultivar:** 3010. **other id:** SA 1403. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529459 **origin:** Soviet Union. **historical origin:** United States.  
**cultivar:** KZYL-ROVAT. **other id:** SA 1404. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529460 **origin:** Soviet Union. **historical origin:** United States.  
**cultivar:** REGAR 1. **other id:** SA 1405. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529461 **origin:** Soviet Union. **historical origin:** United States.  
**cultivar:** S4727. **other id:** SA 1406. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529462 **origin:** Bulgaria. **historical origin:** United States.  
**cultivar:** BULGARIA P73. **other id:** SA 1407. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 529463 **origin:** Bulgaria. **historical origin:** United States.  
**cultivar:** BULGARIA 432. **other id:** SA 1408. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529464 **origin:** Bulgaria. **historical origin:** United States.  
**cultivar:** BULGARIA 433. **other id:** SA 1409. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529465 **origin:** Bulgaria. **historical origin:** United States.  
**cultivar:** BULGARIA 996. **other id:** SA 1410. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529466 **origin:** China. **historical origin:** United States.  
**cultivar:** CHIENG-YANG-HUNG-MIAO. **other id:** SA 1411.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 529467 **origin:** China. **historical origin:** United States.  
**cultivar:** CHUNG MEIN-SUE #7. **other id:** SA 1412. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529468 **origin:** China. **historical origin:** United States.  
**cultivar:** HSING-TAI #68-71. **other id:** SA 1413. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529469 **origin:** China. **historical origin:** United States.  
**cultivar:** SHAN 401. **other id:** SA 1414. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529470 **origin:** China. **historical origin:** United States.  
**cultivar:** SHANTUNG XIAO KWANG HSU. **other id:** SA 1415.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 529471 **origin:** China. **historical origin:** United States.  
**cultivar:** TING-SHEN XIAO PAI KAI. **other id:** SA 1416.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 529472 **origin:** China. **historical origin:** United States.  
**cultivar:** TING-TAO-TZU (CHING CHUNG MEIN). **other id:** SA  
1417. **source:** Mississippi Obsolete Variety Collection -  
G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529473 **origin:** China. **historical origin:** United States.  
**cultivar:** TO-MAO #1. **other id:** SA 1418. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529474 **origin:** China. **historical origin:** United States.  
**cultivar:** CHINA 86-1. **other id:** SA 1419. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529475 **origin:** China. **historical origin:** United States.  
**cultivar:** CHINA 632. **other id:** SA 1420. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529476 **origin:** China. **historical origin:** United States.  
**cultivar:** DUCK SHELTER. **other id:** SA 1421. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529477 **origin:** China. **historical origin:** United States.  
**cultivar:** JIANGSU #1. **other id:** SA 1422. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529478 **origin:** China. **historical origin:** United States.  
**cultivar:** JIANGSU #3. **other id:** SA 1423. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529479 **origin:** China. **historical origin:** United States.  
**cultivar:** LIAOYANA SHORT BRANCH. **other id:** SA 1424.  
**source:** Mississippi Obsolete Variety Collection - G.  
hirsutum. Seed.
- PI 529480 **origin:** China. **historical origin:** United States.  
**cultivar:** LISHAN BIG BOLL. **other id:** SA 1425. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529481 **origin:** China. **historical origin:** United States.  
**cultivar:** LONG FIBER #1. **other id:** SA 1426. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529482 **origin:** China. **historical origin:** United States.  
**cultivar:** LONG FIBER #2. **other id:** SA 1427. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.

PI 528418 to 529641-continued

- PI 529483 origin: China. historical origin: United States.  
cultivar: NANGING #12. other id: SA 1428. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529484 origin: China. historical origin: United States.  
cultivar: NANGING #23. other id: SA 1429. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529485 origin: China. historical origin: United States.  
cultivar: NANGING #24. other id: SA 1430. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529486 origin: China. historical origin: United States.  
cultivar: PENGZE. other id: SA 1431. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529487 origin: China. historical origin: United States.  
cultivar: XUZHOU. other id: SA 1432. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529488 origin: Iran. historical origin: United States.  
cultivar: AMERIKAI. other id: SA 1434. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529489 origin: Bulgaria. historical origin: United States.  
cultivar: 4959. other id: SA 1435. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529490 origin: Bulgaria. historical origin: United States.  
cultivar: 6111. other id: SA 1436. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529491 origin: Bulgaria. historical origin: United States.  
cultivar: 6396. other id: SA 1437. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529492 origin: Chad. historical origin: United States.  
cultivar: BJA 592. other id: SA 1438. source:  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529493 origin: Chad. historical origin: United States.  
cultivar: HG-9. other id: SA 1439. source: Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529494 **origin:** Zambia. **historical origin:** United States.  
**cultivar:** ALBAR 627. **other id:** SA 1440. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529495 **origin:** Greece. **historical origin:** United States.  
**cultivar:** IOE. **other id:** SA 1441. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529496 **origin:** Greece. **historical origin:** United States.  
**cultivar:** 4S-180. **other id:** SA 1442. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529497 **origin:** Australia. **historical origin:** United States.  
**cultivar:** G-002-7-1. **other id:** SA 1443. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529498 **origin:** Australia. **historical origin:** United States.  
**cultivar:** G-077-2. **other id:** SA 1444. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529499 **origin:** Soviet Union. **historical origin:** United States.  
**cultivar:** 153F. **other id:** SA 1445. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529500 **origin:** Soviet Union. **historical origin:** United States.  
**cultivar:** 2421. **other id:** SA 1446. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529501 **origin:** Soviet Union. **historical origin:** United States.  
**cultivar:** C-4727. **other id:** SA 1447. **source:**  
Mississippi Obsolete Variety Collection - G. hirsutum.  
Seed.
- PI 529502 **origin:** United States. **cultivar:** WESTBURN. **other id:**  
CV-53. **source:** Crop Sci. 9(4):522 1969. **group:**  
CSR-COTTON. **other id:** SA 1448. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Cultivar.  
Seed.
- PI 529503 **origin:** United States. **cultivar:** WESTBURN 70. **other id:**  
CV-54. **source:** Crop Sci. 11(1):132 1971. **group:**  
CSR-COTTON. **other id:** SA 1449. **source:** Mississippi  
Obsolete Variety Collection - G. hirsutum. Cultivar.  
Seed.

PI 528418 to 529641-continued

- PI 529504 **origin:** United States. **cultivar:** WESTBURN M. **other id:** PVP 7700049. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1450. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529505 **origin:** United States. **cultivar:** PARROTT. **other id:** SA 1451. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529506 **origin:** United States. **cultivar:** THORPE. **other id:** PVP 7300092. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1452. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529507 **origin:** United States. **cultivar:** LANKBURN. **other id:** SA 1453. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529508 **origin:** United States. **cultivar:** HOPI M 79-4471. **other id:** SA 1454. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529509 **origin:** United States. **cultivar:** HOPI M 79-4472. **other id:** SA 1455. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529510 **origin:** United States. **cultivar:** HOPI JONES 79-4473. **other id:** SA 1456. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529511 **origin:** United States. **cultivar:** HOPI M 79-4474. **other id:** SA 1457. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529512 **origin:** United States. **cultivar:** HOPI HARRINGTON 79-4475. **other id:** SA 1458. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529513 **origin:** United States. **cultivar:** HOPI M 79-4476. **other id:** SA 1459. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529514 **origin:** United States. **cultivar:** HOPI 6-16-7 (79-4477). **other id:** SA 1460. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529515 **origin:** United States. **cultivar:** HOPI ABORIGINAL 79-4478. **other id:** SA 1461. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.



PI 528418 to 529641-continued

- PI 529516 **origin:** United States. **cultivar:** HOPI NEW MEXICO 79-4479. **other id:** SA 1462. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529517 **origin:** United States. **cultivar:** HOPI JONES 79-4480. **other id:** SA 1463. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529518 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** 149 F. **other id:** SA 1464. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529519 **origin:** United States. **cultivar:** DES 422. **other id:** CV-80. **source:** Crop Sci. 22(5):1085 1982. **group:** CSR-COTTON. **other id:** PVP 8100170. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1465. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar. Seed.**
- PI 529520 **origin:** United States. **cultivar:** DES 56. **other id:** CV-70. **source:** Crop Sci. 18(3):524 1978. **group:** CSR-COTTON. **other id:** PVP 7800041. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1466. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar. Seed.**
- PI 529521 **origin:** United States. **cultivar:** DES 56-188. **other id:** SA 1467. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529522 **origin:** United States. **cultivar:** DES 24. **other id:** CV-69. **source:** Crop Sci. 18(3):523 1978. **group:** CSR-COTTON. **other id:** PVP 7800040. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1468. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar. Seed.**
- PI 529523 **origin:** United States. **cultivar:** STONEVILLE 506. **other id:** PVP 8100059. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1469. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529524 **origin:** United States. **cultivar:** STONEVILLE 825. **other id:** PVP 7900024. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1470. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529525 **origin:** United States. **cultivar:** MCNAIR 220. **other id:** PVP 7600077. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1471. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**

PI 528418 to 529641-continued

- PI 529526 **origin:** United States. **cultivar:** MCNAIR 235. **other id:** SA 1472. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529527 **origin:** United States. **cultivar:** DELTAPINE 41. **other id:** SA 1473. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529528 **origin:** United States. **cultivar:** DELTAPINE 62. **other id:** SA 1474. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529529 **origin:** United States. **cultivar:** DELTAPINE 90. **other id:** SA 1475. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529530 **origin:** United States. **cultivar:** COKER 315. **other id:** PVP 8000087. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1476. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529531 **origin:** United States. **cultivar:** COKER 3131. **other id:** PVP 8100019. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1477. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- \* PI 529532 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **cultivar:** PIMA S-3. **other id:** CV-58. **source:** Crop Sci. 16(4):604 1976. **group:** CSR-COTTON. **other id:** SA 1478. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- \* PI 529533 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **cultivar:** PIMA S-4. **other id:** CV-59. **source:** Crop Sci. 16(4):604 1976. **group:** CSR-COTTON. **other id:** SA 1479. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529534 **origin:** United States. **cultivar:** AC 241. **other id:** GP-146. **source:** Crop Sci. 20(2):290 1980. **group:** CSR-COTTON. **other id:** SA 1480. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Breeding Material. Seed.
- PI 529535 **origin:** United States. **cultivar:** ACALA CLUSTER. **other id:** SA 1481. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529536 origin: United States. cultivar: ACALA GLANDLESS 8160. other id: SA 1482. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529537 origin: United States. cultivar: ACALA SJ-3. other id: SA 1483. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529538 origin: United States. cultivar: ACALA SJ-4. other id: SA 1484. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529539 origin: United States. cultivar: ACALA SJC-1. other id: SA 1485. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529540 origin: United States. cultivar: ACALA SJ-1. other id: SA 1486. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529541 origin: United States. cultivar: ACALA 1517 BR 2. other id: SA 1487. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529542 origin: United States. cultivar: ACALA 1517-75. other id: CV-67. source: Crop Sci. 18(1):164 1978. group: CSR-COTTON. other id: SA 1488. source: Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529543 origin: United States. cultivar: ACALA 3080. other id: SA 1489. source: Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529544 origin: United States. cultivar: AUBURN BR1. other id: GP-1. source: Crop Sci. 12(3):399 1972. group: CSR-COTTON. other id: SA 1490. source: Mississippi Obsolete Variety Collection - G. hirsutum. Breeding Material. Seed.
- PI 529545 origin: United States. cultivar: AUBURN BR2. other id: GP-2. source: Crop Sci. 12(3):399 1972. group: CSR-COTTON. other id: SA 1491. source: Mississippi Obsolete Variety Collection - G. hirsutum. Breeding Material. Seed.
- PI 529546 origin: United States. cultivar: AUBURN 623 RNR. other id: GP-20. source: Crop Sci. 14(6):911 1974. group: CSR-COTTON. other id: SA 1492. source: Mississippi Obsolete Variety Collection - G. hirsutum. Breeding Material. Seed.

PI 528418 to 529641-continued

- PI 529547 **origin:** United States. **cultivar:** ARK-1. **other id:** SA 1493. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529548 **origin:** United States. **cultivar:** ARK-2. **other id:** SA 1494. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529549 **origin:** United States. **cultivar:** BLIGHTMASTER A5. **other id:** SA 1495. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529550 **origin:** UNKNOWN. **historical origin:** United States. **cultivar:** SEMIGAMETIC VIRESCENT 57-4. **other id:** SA 1496. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- \* PI 529551 *Gossypium barbadense* L. MALVACEAE  
**origin:** United States. **cultivar:** PIMA S-5. **other id:** CV-60. **source:** Crop Sci. 16(4):604 1976. **group:** CSR-COTTON. **other id:** SA 1497. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529552 **origin:** United States. **cultivar:** BW76-31. **other id:** GP-162. **source:** Crop Sci. 21(6):991 1981. **group:** CSR-COTTON. **other id:** SA 1498. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Breeding Material. Seed.
- PI 529553 **origin:** United States. **cultivar:** BW 76-31 DH. **other id:** SA 1499. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529554 **origin:** United States. **cultivar:** COKER 304. **other id:** PVP 7700024. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1500. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529555 **origin:** United States. **cultivar:** COKER 4360. **other id:** PVP 8200071. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1501. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529556 **origin:** United States. **cultivar:** DELTAPINE 775. **other id:** SA 1502. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529557 **origin:** United States. **cultivar:** DELTAPINE NSL. **other id:** PVP 8300112. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1503. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529558 **origin:** United States. **cultivar:** DELTAPINE SR-2. **other id:** PVP 7200043. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1504. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529559 **origin:** United States. **cultivar:** DELTAPINE SR-4. **other id:** PVP 7500089. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1505. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529560 **origin:** United States. **cultivar:** DELTAPINE SR-5. **other id:** PVP 8000052. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1506. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529561 **origin:** United States. **cultivar:** DELTAPINE SR 980. **other id:** PVP 8100098. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1507. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529562 **origin:** United States. **cultivar:** DELTAPINE 26. **other id:** PVP 7800022. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1508. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529563 **origin:** United States. **cultivar:** DELTAPINE 120. **other id:** PVP 8100072. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1509. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529564 **origin:** United States. **cultivar:** DELTAPINE 7146N. **other id:** SA 1510. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529565 **origin:** United States. **cultivar:** DELTAPINE 66. **other id:** SA 1511. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529566 **origin:** United States. **cultivar:** DELTAPINE 50. **other id:** SA 1512. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529567 **origin:** United States. **cultivar:** DELTAPINE 20. **other id:** SA 1513. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529568 **origin:** United States. **cultivar:** DELCOT 311. **other id:** CV-79. **source:** Crop Sci. 20(5):669 1980. **group:** CSR-COTTON. **other id:** PVP 8100029. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1514. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.

PI 528418 to 529641-continued

- PI 529569 **origin:** United States. **cultivar:** DUNN 120. **other id:** PVP 7400096. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1515. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529570 **origin:** United States. **cultivar:** EARLISTAPLE 7. **other id:** GP-151. **source:** Crop Sci. 20(2):291 1980. **group:** CSR-COTTON. **other id:** SA 1516. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Breeding Material. Seed.
- PI 529571 **origin:** United States. **cultivar:** EMPIRE RED LEAF. **other id:** SA 1517. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529572 **origin:** United States. **cultivar:** FJA. **other id:** GP-153. **source:** Crop Sci. 20(2):291 1980. **group:** CSR-COTTON. **other id:** SA 1518. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Breeding Material. Seed.
- PI 529573 **origin:** United States. **cultivar:** FTA. **other id:** GP-154. **source:** Crop Sci. 20(2):291 1980. **group:** CSR-COTTON. **other id:** SA 1519. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Breeding Material. Seed.
- PI 529574 **origin:** United States. **cultivar:** GREGG 35W. **other id:** SA 1520. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529575 **origin:** United States. **cultivar:** GREGG 35XL. **other id:** SA 1521. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529576 **origin:** United States. **cultivar:** GREGG 45M. **other id:** SA 1522. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529577 **origin:** United States. **cultivar:** GSA 71. **other id:** PVP 7400089. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1523. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529578 **origin:** United States. **cultivar:** GUMBO. **other id:** SA 1524. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529579 **origin:** United States. **cultivar:** HANCOCK. **other id:** CV-56. **source:** Crop Sci. 12(5):714 1972. **group:** CSR-COTTON. **other id:** SA 1525. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.

PI 528418 to 529641-continued

- PI 529580 **origin:** United States. **cultivar:** HYBEE 100A. **other id:** SA 1526. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529581 **origin:** United States. **cultivar:** HYBEE 200A. **other id:** SA 1527. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529582 **origin:** United States. **cultivar:** HYC76-59. **other id:** GP-163. **source:** Crop Sci. 21(6):991 1981. **group:** CSR-COTTON. **other id:** SA 1528. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Breeding Material. Seed.
- PI 529583 **origin:** United States. **cultivar:** REX 713. **other id:** PVP 7700028. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1529. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529584 **origin:** United States. **cultivar:** LAMBRIGHT X-15-4. **other id:** PVP 7200091. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1530. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529585 **origin:** United States. **cultivar:** LAMBRIGHT GL-5. **other id:** PVP 7500029. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1531. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529586 **origin:** United States. **cultivar:** F. **other id:** GP-152. **source:** Crop Sci. 20(2):291 1980. **group:** CSR-COTTON. **other id:** SA 1532. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Breeding Material. Seed.
- PI 529587 **origin:** United States. **cultivar:** LOCKETT BXL. **other id:** PVP 7100026. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1533. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529588 **origin:** United States. **cultivar:** MCNAIR TH 149-20. **other id:** PVP 7100090. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1534. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529589 **origin:** United States. **cultivar:** MCNAIR 210. **other id:** SA 1535. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529590 **origin:** United States. **cultivar:** MCNAIR 3150. **other id:** SA 1536. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.

PI 528418 to 529641-continued

- PI 529591 **origin:** United States. **cultivar:** MCNAIR 308. **other id:** SA 1537. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529592 **origin:** United States. **cultivar:** KC 380 (KNX 2019). **other id:** SA 1538. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529593 **origin:** United States. **cultivar:** STRIPPER 31A. **other id:** PVP 7400088. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1539. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529594 **origin:** United States. **cultivar:** PRONTO. **other id:** SA 1540. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529595 **origin:** United States. **cultivar:** MARTIN #1. **other id:** SA 1541. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529596 **origin:** United States. **cultivar:** PR 75. **other id:** PVP 8000135. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1542. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529597 **origin:** United States. **cultivar:** PR 80. **other id:** PVP 8000136. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1543. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529598 **origin:** United States. **cultivar:** SC-1. **other id:** CV-72. **source:** Crop Sci. 19(3):410 1979. **group:** CSR-COTTON. **other id:** SA 1544. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Cultivar. Seed.
- PI 529599 **origin:** United States. **cultivar:** DES 119Q. **other id:** SA 1545. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529600 **origin:** United States. **cultivar:** PAYMASTER 18. **other id:** SA 1546. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529601 **origin:** United States. **cultivar:** PAYMASTER 101B. **other id:** PVP 7200072. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1547. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.



PI 528418 to 529641-continued

- PI 529602 **origin:** United States. **cultivar:** PAYMASTER 145. **other id:** PVP 8000080. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1548. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529603 **origin:** United States. **cultivar:** PAYMASTER 202. **other id:** SA 1549. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529604 **origin:** United States. **cultivar:** PAYMASTER 266. **other id:** PVP 7600043. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1550. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529605 **origin:** United States. **cultivar:** PAYMASTER 303. **other id:** PVP 7500060. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1551. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529606 **origin:** United States. **cultivar:** PAYMASTER 404. **other id:** PVP 8000081. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1552. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529607 **origin:** United States. **cultivar:** PAYMASTER 784. **other id:** PVP 7700054. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1553. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529608 **origin:** United States. **cultivar:** PAYMASTER 785. **other id:** PVP 7700076. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1554. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529609 **origin:** United States. **cultivar:** PAYMASTER 792. **other id:** PVP 7700077. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1555. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529610 **origin:** United States. **cultivar:** PAYMASTER 909. **other id:** SA 1556. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Seed.
- PI 529611 **origin:** United States. **cultivar:** PD 109. **other id:** GP-141. **source:** Crop Sci. 20(2):289 1980. **group:** CSR-COTTON. **other id:** SA 1557. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. Breeding Material. Seed.

PI 528418 to 529641-continued

- PI 529612 **origin:** United States. **cultivar:** PD 111. **other id:** GP-142. **source:** Crop Sci. 20(2):289 1980. **group:** CSR-COTTON. **other id:** SA 1558. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529613 **origin:** United States. **cultivar:** PD 113. **other id:** GP-143. **source:** Crop Sci. 20(2):289 1980. **group:** CSR-COTTON. **other id:** SA 1559. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529614 **origin:** United States. **cultivar:** PD 259. **other id:** GP-39. **source:** Crop Sci. 19(3):418 1979. **group:** CSR-COTTON. **other id:** SA 1560. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529615 **origin:** United States. **cultivar:** PD 695. **other id:** GP-42. **source:** Crop Sci. 19(5):751 1979. **group:** CSR-COTTON. **other id:** SA 1561. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529616 **origin:** United States. **cultivar:** PD 875. **other id:** GP-43. **source:** Crop Sci. 19(5):751 1979. **group:** CSR-COTTON. **other id:** SA 1562. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529617 **origin:** United States. **cultivar:** PD 2164. **other id:** GP-147. **source:** Crop Sci. 20(2):290 1980. **group:** CSR-COTTON. **other id:** SA 1563. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529618 **origin:** United States. **cultivar:** PD 2165. **other id:** GP-40. **source:** Crop Sci. 19(3):418 1979. **group:** CSR-COTTON. **other id:** SA 1564. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529619 **origin:** United States. **cultivar:** PD 3246. **other id:** GP-148. **source:** Crop Sci. 20(2):290 1980. **group:** CSR-COTTON. **other id:** SA 1565. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.

PI 528418 to 529641-continued

- PI 529620 **origin:** United States. **cultivar:** PD 3249. **other id:** GP-149. **source:** Crop Sci. 20(2):290 1980. **group:** CSR-COTTON. **other id:** SA 1566. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529621 **origin:** United States. **cultivar:** PD 4381. **other id:** GP-41. **source:** Crop Sci. 19(3):418 1979. **group:** CSR-COTTON. **other id:** SA 1567. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529622 **origin:** United States. **cultivar:** COKER 208. **other id:** PVP 8300082. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1568. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529623 **origin:** United States. **cultivar:** PD 4548. **other id:** GP-161. **source:** Crop Sci. 21(6):992 1981. **group:** CSR-COTTON. **other id:** SA 1569. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529624 **origin:** United States. **cultivar:** PD 6520. **other id:** GP-50. **source:** Crop Sci. 19(5):752 1979. **group:** CSR-COTTON. **other id:** SA 1570. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529625 **origin:** United States. **cultivar:** PD 8619. **other id:** GP-51. **source:** Crop Sci. 19(5):753 1979. **group:** CSR-COTTON. **other id:** SA 1571. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529626 **origin:** United States. **cultivar:** PD 9223. **other id:** GP-44. **source:** Crop Sci. 19(5):751 1979. **group:** CSR-COTTON. **other id:** SA 1572. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529627 **origin:** United States. **cultivar:** PD 9232. **other id:** GP-45. **source:** Crop Sci. 19(5):751 1979. **group:** CSR-COTTON. **other id:** SA 1573. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529628 **origin:** United States. **cultivar:** PD 9363. **other id:** GP-47. **source:** Crop Sci. 19(5):751 1979. **group:** CSR-COTTON. **other id:** SA 1574. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.

PI 528418 to 529641-continued

- PI 529629 **origin:** United States. **cultivar:** PD 9364. **other id:** GP-48. **source:** Crop Sci. 19(5):751 1979. **group:** CSR-COTTON. **other id:** SA 1575. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Breeding Material.** Seed.
- PI 529630 **origin:** United States. **cultivar:** PD 4461Q. **other id:** SA 1576. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529631 **origin:** United States. **cultivar:** STONEVILLE 112. **other id:** PVP 8500162. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1577. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529632 **origin:** United States. **cultivar:** ARKANSAS 2402. **other id:** SA 1578. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Seed.**
- PI 529633 **origin:** United States. **cultivar:** TAMCOT CAMD-E. **other id:** CV-74. **source:** Crop Sci. 19(3):411 1979. **group:** CSR-COTTON. **other id:** PVP 7800073. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1579. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar.** Seed.
- PI 529634 **origin:** United States. **cultivar:** TAMCOT SP21. **other id:** CV-61. **source:** Crop Sci. 16(6):884 1976. **group:** CSR-COTTON. **other id:** PVP 7200047. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1580. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar.** Seed.
- PI 529635 **origin:** United States. **cultivar:** TAMCOT SP21S. **other id:** CV-73. **source:** Crop Sci. 19(3):410 1979. **group:** CSR-COTTON. **other id:** PVP 7800074. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1581. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar.** Seed.
- PI 529636 **origin:** United States. **cultivar:** TAMCOT SP23. **other id:** CV-62. **source:** Crop Sci. 16(6):884 1976. **group:** CSR-COTTON. **other id:** PVP 7200045. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1582. **source:** Mississippi Obsolete Variety Collection - G. hirsutum. **Cultivar.** Seed.

PI 528418 to 529641-continued

PI 529637 **origin:** United States. **cultivar:** TAMCOT SP37. **other id:** CV-63. **source:** Crop Sci. 16(6):884 1976. **group:** CSR-COTTON. **other id:** PVP 7200046. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1583. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. **Cultivar.** Seed.

PI 529638 **origin:** United States. **cultivar:** TAMCOT SP37H. **other id:** CV-75. **source:** Crop Sci. 19(3):412 1979. **group:** CSR-COTTON. **other id:** PVP 7800096. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1584. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. **Cultivar.** Seed.

PI 529639 **origin:** United States. **cultivar:** TPSA 1633. **other id:** PVP 7200081. **source:** Certificate in force. **group:** PVPO. **other id:** SA 1585. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. **Seed.**

PI 529640 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** C 2602. **other id:** SA 1586. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. **Seed.**

PI 529641 **origin:** Soviet Union. **historical origin:** United States. **cultivar:** C 4727. **other id:** SA 1587. **source:** Mississippi Obsolete Variety Collection - *G. hirsutum*. **Seed.**

PI 529642 to 529703. *Gossypium herbaceum* L. MALVACEAE Levant cotton

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Diploid Asiatic Collection - *Gossypium herbaceum* Some reclassified after being grown out. Numbered February 1989. Received February 1989.

PI 529642 **origin:** India. **cultivar:** YERLI-193. **other id:** A1 1. **source:** Texas Diploid Asiatic Collection - *G. herbaceum*.

PI 529643 **origin:** India. **cultivar:** #14. **other id:** A1 45. **source:** Texas Diploid Asiatic Collection - *G. herbaceum*.

PI 529644 **origin:** India. **cultivar:** WAGAD 14. **other id:** A1 49. **source:** Texas Diploid Asiatic Collection - *G. herbaceum*.

PI 529645 **origin:** India. **cultivar:** #5. **other id:** A1 53. **source:** Texas Diploid Asiatic Collection - *G. herbaceum*.

PI 529646 **origin:** India. **cultivar:** WIGHTIANUM. **other id:** A1 54. **source:** Texas Diploid Asiatic Collection - *G. herbaceum*.

PI 529642 to 529703-continued

- PI 529647 origin: UNKNOWN. other id: A1 55. source: Texas Diploid Asiatic Collection - G. herbaceum.
- PI 529648 origin: UNKNOWN. other id: A1 56. source: Texas Diploid Asiatic Collection - G. herbaceum.
- PI 529649 origin: UNKNOWN. other id: A1 57. source: Texas Diploid Asiatic Collection - G. herbaceum.
- PI 529650 origin: Zimbabwe. cultivar: NYANYADZI. other id: A1 74. source: Texas Diploid Asiatic Collection - G. herbaceum. remarks: COTTON RESH INST 1984.
- PI 529651 origin: Zimbabwe. cultivar: CHISAMBANJE. other id: A1 75. source: Texas Diploid Asiatic Collection - G. herbaceum. remarks: COTTON RESH INST 1984.
- PI 529652 origin: Zimbabwe. cultivar: MUTEWA. other id: A1 76. source: Texas Diploid Asiatic Collection - G. herbaceum. remarks: COTTON RESH INST 1984.
- PI 529653 origin: Zimbabwe. cultivar: BOUMI RED. other id: A1 77. source: Texas Diploid Asiatic Collection - G. herbaceum. remarks: COTTON RESH INST 1984.
- PI 529654 origin: Zimbabwe. cultivar: BOUMI ARIA. other id: A1 78. source: Texas Diploid Asiatic Collection - G. herbaceum. remarks: COTTON RESH INST 1984.
- PI 529655 origin: Zimbabwe. cultivar: VAR. KULJIANUM. other id: A1 79. source: Texas Diploid Asiatic Collection - G. herbaceum. remarks: COTTON RESH INST 1984.
- PI 529656 origin: Zimbabwe. cultivar: SABI VALLEY. other id: A1 80. source: Texas Diploid Asiatic Collection - G. herbaceum. remarks: COTTON RESH INST 1984.
- PI 529657 origin: Zimbabwe. cultivar: MAKATIVI. other id: A1 81. source: Texas Diploid Asiatic Collection - G. herbaceum. remarks: COTTON RESH INST 1984.
- PI 529658 origin: Zimbabwe. cultivar: CHIBUWE. other id: A1 82. source: Texas Diploid Asiatic Collection - G. herbaceum. remarks: COTTON RESH INST 1984.
- \* PI 529659 *Gossypium hirsutum* L. MALVACEAE  
origin: Soviet Union. cultivar: MALLA GUZA. other id: TEX 2383. source: Texas Tetraploid Race Collection - G. hirsutum. remarks: N I VAVILOV IPI 1985. received as: *Gossypium herbaceum* L..

PI 529642 to 529703-continued

- PI 529660 **origin:** Afghanistan. **other id:** A1 87. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529661 **origin:** Afghanistan. **cultivar:** KRASNYJ. **other id:** A1 88. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529662 **origin:** Afghanistan. **cultivar:** GUZA. **other id:** A1 89. **source:** Texas Tetraploid Race Collection - G. hirsutum. **remarks:** N I VAVILOV IPI 1985.
- PI 529663 **origin:** Afghanistan. **cultivar:** PEMBE. **other id:** A1 90. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529664 **origin:** Iran. **other id:** A1 91. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- \* PI 529665 *Gossypium hirsutum* L. MALVACEAE  
**origin:** Soviet Union. **historical origin:** Soviet Union. **cultivar:** GUZA. **other id:** TEX 2384. **source:** Texas Tetraploid Race Collection - G. hirsutum. **remarks:** N I VAVILOV IPI 1985. **received as:** *Gossypium herbaceum* L..
- \* PI 529666 *Gossypium hirsutum* L. MALVACEAE  
**origin:** Soviet Union. **cultivar:** GUZA. **other id:** TEX 2385. **source:** Texas Tetraploid Race Collection - G. hirsutum. **remarks:** N I VAVILOV IPI 1985. **received as:** *Gossypium herbaceum* L..
- PI 529667 **origin:** Soviet Union. **cultivar:** GUZA. **other id:** A1 94. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- \* PI 529668 *Gossypium hirsutum* L. MALVACEAE  
**origin:** Soviet Union. **historical origin:** Iran. **other id:** TEX 2386. **source:** Texas Tetraploid Race Collection - G. hirsutum. **remarks:** N I VAVILOV IPI 1985. **received as:** *Gossypium herbaceum* L..
- PI 529669 **origin:** Turkey. **other id:** A1 96. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529670 **origin:** Turkey. **other id:** A1 97. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.

PI 529642 to 529703-continued

- PI 529671 **origin:** Turkey. **other id:** A1 98. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529672 **origin:** Turkey. **other id:** A1 99. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- \* PI 529673 *Gossypium hirsutum* L. MALVACEAE  
**origin:** Soviet Union. **historical origin:** Turkey. **other id:** TEX 2387. **source:** Texas Tetraploid Race Collection - *G. hirsutum*. **remarks:** N I VAVILOV IPI 1985. **received as:** *Gossypium herbaceum* L..
- PI 529674 **origin:** Turkey. **other id:** A1 101. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- \* PI 529675 *Gossypium hirsutum* L. MALVACEAE  
**origin:** Soviet Union. **historical origin:** Indonesia. **cultivar:** KAPOS BOELAE. **other id:** TEX 2388. **source:** Texas Tetraploid Race Collection - *G. hirsutum*. **remarks:** N I VAVILOV IPI 1985. **received as:** *Gossypium herbaceum* L..
- \* PI 529676 *Gossypium hirsutum* L. MALVACEAE  
**origin:** Soviet Union. **historical origin:** India. **cultivar:** DARWART. **other id:** TEX 2389. **source:** Texas Tetraploid Race Collection - *G. hirsutum*. **remarks:** N I VAVILOV IPI 1985. **received as:** *Gossypium herbaceum* L..
- PI 529677 **origin:** China. **other id:** A1 104. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- \* PI 529678 *Gossypium hirsutum* L. MALVACEAE  
**origin:** Soviet Union. **historical origin:** Germany. **other id:** TEX 2390. **source:** Texas Tetraploid Race Collection - *G. hirsutum*. **remarks:** N I VAVILOV IPI 1985. **received as:** *Gossypium herbaceum* L..
- PI 529679 **origin:** Pakistan. **other id:** A1 106. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529680 **origin:** Pakistan. **cultivar:** MESTNYJ. **other id:** A1 107. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529681 **origin:** Soviet Union. **cultivar:** LINE 3856. **other id:** A1 108. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.



PI 529642 to 529703-continued

- PI 529682 **origin:** Soviet Union. **cultivar:** 0-1841-2-8. **other id:** Al 109. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529683 **origin:** Soviet Union. **cultivar:** LINE 5825. **other id:** Al 110. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529684 **origin:** Soviet Union. **cultivar:** LINE 3023. **other id:** Al 111. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529685 **origin:** Soviet Union. **cultivar:** 02311-2. **other id:** Al 112. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529686 **origin:** Soviet Union. **cultivar:** LINE 4241. **other id:** Al 113. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529687 **origin:** Soviet Union. **cultivar:** LINE 4955. **other id:** Al 114. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529688 **origin:** Soviet Union. **cultivar:** LINE 4959. **other id:** Al 115. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529689 **origin:** Soviet Union. **cultivar:** LINE 4853. **other id:** Al 116. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529690 **origin:** Soviet Union. **cultivar:** LINE 4767. **other id:** Al 117. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529691 **origin:** Soviet Union. **cultivar:** LINE 4463. **other id:** Al 118. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529692 **origin:** Soviet Union. **cultivar:** 0-1895-2-8. **other id:** Al 119. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529693 **origin:** Soviet Union. **cultivar:** 0-1845-3-4. **other id:** Al 120. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529694 **origin:** Soviet Union. **cultivar:** 0-2046-3-8. **other id:** Al 121. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.

PI 529642 to 529703-continued

- PI 529695 **origin:** Soviet Union. **cultivar:** 0-1848-9-1. **other id:** Al 122. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529696 **origin:** Soviet Union. **cultivar:** 0-1797-2-26. **other id:** Al 123. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529697 **origin:** Soviet Union. **cultivar:** LINE 4209. **other id:** Al 124. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529698 **origin:** Soviet Union. **cultivar:** LINE 6969. **other id:** Al 125. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529699 **origin:** Iran. **cultivar:** RUSTAM 65. **other id:** Al 126. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529700 **origin:** Switzerland. **other id:** Al 127. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529701 **origin:** Soviet Union. **other id:** Al 128. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529702 **origin:** Pakistan. **cultivar:** 39MPAK PUNJAB. **other id:** Al 129. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.
- PI 529703 **origin:** UNKNOWN. **cultivar:** 0-1796-7-13. **other id:** Al 130. **source:** Texas Diploid Asiatic Collection - G. herbaceum. **remarks:** N I VAVILOV IPI 1985.

PI 529704 to 529806. *Gossypium arboreum* L. MALVACEAE Tree cotton

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Diploid Asiatic Collection - *Gossypium arboreum* Numbered February 1989. Received February 1989.

- PI 529704 **origin:** UNKNOWN. **other id:** A2 1. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** STEPHENS COLL. Seed.
- PI 529705 **origin:** UNKNOWN. **other id:** A2 2. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** STEPHENS COLL. Seed.

PI 529704 to 529806-continued

PI 529706	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 3. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529707	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 4. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529708	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 5. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529709	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 6. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529710	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 7. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529711	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 8. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529712	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 9. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529713	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 10. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529714	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 11. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529715	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 12. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529716	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 13. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529717	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 14. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS
PI 529718	<b>origin:</b> UNKNOWN. <b>other id:</b> A2 15. Asiatic Collection - G. arboreum. COLL. Seed.	<b>source:</b> Texas Diploid <b>remarks:</b> STEPHENS

PI 529704 to 529806-continued

- PI 529719 **origin:** UNKNOWN. **other id:** A2 16. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529720 **origin:** UNKNOWN. **other id:** A2 17. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529721 **origin:** UNKNOWN. **cultivar:** IGUALA. **other id:** A2 93. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529722 **origin:** UNKNOWN. **cultivar:** IGUALA. **other id:** A2 94. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529723 **origin:** UNKNOWN. **cultivar:** INDIA 15. **other id:** A2 95. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529724 **origin:** UNKNOWN. **cultivar:** INDIA 15. **other id:** A2 96. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529725 **origin:** UNKNOWN. **cultivar:** INDIA 17. **other id:** A2 97. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529726 **origin:** UNKNOWN. **cultivar:** INDIA 21. **other id:** A2 98. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529727 **origin:** UNKNOWN. **cultivar:** NEGLECTUM. **other id:** A2 99. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529728 **origin:** UNKNOWN. **cultivar:** NANKING. **other id:** A2 100. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529729 **origin:** UNKNOWN. **cultivar:** GARO HILL. **other id:** A2 101. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529730 **origin:** UNKNOWN. **cultivar:** GARO HILL. **other id:** A2 103. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529731 **origin:** UNKNOWN. **cultivar:** S4010. **other id:** A2 104. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529732 **origin:** UNKNOWN. **other id:** A2 105. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.

PI 529704 to 529806-continued

- PI 529733 **origin:** UNKNOWN. **other id:** A2 106. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529734 **origin:** UNKNOWN. **other id:** A2 107. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529735 **origin:** UNKNOWN. **cultivar:** SANGUIENEUM. **other id:** A2 108. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529736 **origin:** UNKNOWN. **other id:** A2 109. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529737 **origin:** UNKNOWN. **cultivar:** OKINAWA. **other id:** A2 110. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529738 **origin:** UNKNOWN. **cultivar:** OKINAWA. **other id:** A2 111. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529739 **origin:** UNKNOWN. **other id:** A2 112. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529740 **origin:** UNKNOWN. **cultivar:** SMA4. **other id:** A2 113. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529741 **origin:** UNKNOWN. **cultivar:** SMA6. **other id:** A2 114. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529742 **origin:** UNKNOWN. **cultivar:** SIND NR. **other id:** A2 115. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529743 **origin:** UNKNOWN. **other id:** A2 116. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529744 **origin:** UNKNOWN. **other id:** A2 117. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529745 **origin:** UNKNOWN. **cultivar:** AKH 4. **other id:** A2 118. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.
- PI 529746 **origin:** UNKNOWN. **cultivar:** AKH 235. **other id:** A2 119. **source:** Texas Diploid Asiatic Collection - G. arboreum. Seed.

PI 529704 to 529806-continued

- PI 529747 **origin:** UNKNOWN. **cultivar:** AKH 487. **other id:** A2 120.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529748 **origin:** UNKNOWN. **cultivar:** AKH 605. **other id:** A2 121.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529749 **origin:** UNKNOWN. **cultivar:** AKH 607. **other id:** A2 122.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529750 **origin:** UNKNOWN. **cultivar:** CJ 73. **other id:** A2 123.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529751 **origin:** UNKNOWN. **cultivar:** DAVDAT. **other id:** A2 124.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529752 **origin:** UNKNOWN. **cultivar:** GAORANI 853. **other id:** A2  
125. **source:** Texas Diploid Asiatic Collection - G.  
arboreum. Seed.
- PI 529753 **origin:** UNKNOWN. **cultivar:** LD 124. **other id:** A2 126.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529754 **origin:** UNKNOWN. **cultivar:** LD 132. **other id:** A2 127.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529755 **origin:** UNKNOWN. **cultivar:** LD 133. **other id:** A2 128.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529756 **origin:** UNKNOWN. **cultivar:** LD 135. **other id:** A2 129.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529757 **origin:** UNKNOWN. **cultivar:** LB. **other id:** A2 130.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529758 **origin:** UNKNOWN. **cultivar:** LBM. **other id:** A2 131.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529759 **origin:** UNKNOWN. **cultivar:** LOBIT. **other id:** A2 132.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.

PI 529704 to 529806-continued

- PI 529760 **origin:** UNKNOWN. **cultivar:** RG 1. **other id:** A2 133.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529761 **origin:** UNKNOWN. **cultivar:** RG 3. **other id:** A2 134.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529762 **origin:** UNKNOWN. **cultivar:** RG 6. **other id:** A2 135.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529763 **origin:** India. **cultivar:** SD 2. **other id:** A2 137.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529764 **origin:** India. **cultivar:** SHYAMALI. **other id:** A2 138.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529765 **origin:** India. **cultivar:** Y-1. **other id:** A2 139.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529766 **origin:** India. **cultivar:** VIRNAR. **other id:** A2 140.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529767 **origin:** UNKNOWN. **cultivar:** ACH 344 INDIA. **other id:** A2  
147. **source:** Texas Diploid Asiatic Collection - G.  
arboreum. Seed.
- PI 529768 **origin:** UNKNOWN. **cultivar:** C-122. **other id:** A2 148.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529769 **origin:** UNKNOWN. **cultivar:** A-10. **other id:** A2 149.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529770 **origin:** UNKNOWN. **cultivar:** #P. **other id:** A2 150.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529771 **origin:** UNKNOWN. **cultivar:** #R2. **other id:** A2 151.  
**source:** Texas Diploid Asiatic Collection - G. arboreum.  
Seed.
- PI 529772 **origin:** UNKNOWN. **cultivar:** SANGUINEUM. **other id:** A2  
152. **source:** Texas Diploid Asiatic Collection - G.  
arboreum. Seed.

PI 529704 to 529806-continued

- PI 529773 origin: China, Peoples Repub of. cultivar: JIANG YIN.  
other id: A2 156. source: Texas Diploid Asiatic  
Collection - G. arboreum. remarks: COTTON RESEARCH INST  
1982. Seed.
- PI 529774 origin: China, Peoples Repub of. cultivar: NAN.  
GINGJING. other id: A2 157. source: Texas Diploid  
Asiatic Collection - G. arboreum. remarks: COTTON  
RESEARCH INST 1982. Seed.
- PI 529775 origin: China, Peoples Repub of. cultivar: SHIXIYA 1.  
other id: A2 158. source: Texas Diploid Asiatic  
Collection - G. arboreum. remarks: COTTON RESEARCH INST  
1982. Seed.
- PI 529776 origin: China, Peoples Repub of. cultivar: JIA. ZIHUA.  
other id: A2 159. source: Texas Diploid Asiatic  
Collection - G. arboreum. remarks: COTTON RESEARCH INST  
1892. Seed.
- PI 529777 origin: China, Peoples Repub of. cultivar: FUYANG ZISA..  
other id: A2 160. source: Texas Diploid Asiatic  
Collection - G. arboreum. remarks: COTTON RESEARCH INST  
1982. Seed.
- PI 529778 origin: China, Peoples Repub of. cultivar: CHENGFENG  
HE.. other id: A2 161. source: Texas Diploid Asiatic  
Collection - G. arboreum. remarks: COTTON RESEARCH INST  
1982. Seed.
- PI 529779 origin: China, Peoples Repub of. cultivar: BAOSHAN  
TUMI.. other id: A2 162. source: Texas Diploid Asiatic  
Collection - G. arboreum. remarks: COTTON RESEARCH INST  
1982. Seed.
- PI 529780 origin: China, Peoples Repub of. cultivar: GUAYIN HUA.  
other id: A2 163. source: Texas Diploid Asiatic  
Collection - G. arboreum. remarks: COTTON RESEARCH INST  
1982. Seed.
- PI 529781 origin: China, Peoples Repub of. other id: A2 164.  
source: Texas Diploid Asiatic Collection - G. arboreum.  
remarks: CHINA NAT SEED CORP 1980. Seed.
- PI 529782 origin: United States. cultivar: D3 Compatible. other  
id: A2 165. source: Texas Diploid Asiatic Collection -  
G. arboreum. remarks: JOSH LEE 1984. Seed.
- PI 529783 origin: Pakistan. cultivar: ROSEUM. other id: A2 166.  
source: Texas Diploid Asiatic Collection - G. arboreum.  
remarks: N I VAVILOV IPI 1985. Seed.



PI 529704 to 529806-continued

- PI 529784 **origin:** Trinidad and Tobago. **other id:** A2 167. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529785 **origin:** India. **cultivar:** AK-4. **other id:** A2 168. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529786 **origin:** India. **cultivar:** BANI. **other id:** A2 169. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529787 **origin:** India. **cultivar:** TYPE 8. **other id:** A2 170. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529788 **origin:** Netherlands. **other id:** A2 171. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529789 **origin:** Korea. **other id:** A2 172. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529790 **origin:** India. **cultivar:** COS SELFED. **other id:** A2 173. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529791 **origin:** Soviet Union. **cultivar:** LINE 10824 II. **other id:** A2 174. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529792 **origin:** Soviet Union. **cultivar:** LINE 0-1558-8. **other id:** A2 175. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529793 **origin:** Soviet Union. **cultivar:** LINE 0-1423-2. **other id:** A2 176. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529794 **origin:** China. **cultivar:** MILLION DOLLAR. **other id:** A2 177. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529795 **origin:** India. **cultivar:** MANIHUR WHT. **other id:** A2 178. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529796 **origin:** Netherlands. **cultivar:** WIGHTIANUM. **other id:** A2 179. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.

PI 529704 to 529806-continued

- PI 529797 **origin:** Soviet Union. **cultivar:** C-7058. **other id:** A2 180. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529798 **origin:** India. **cultivar:** VERUM 434. **other id:** A2 181. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529799 **origin:** India. **cultivar:** LOCAL/DESI. **other id:** A2 182. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529800 **origin:** India. **cultivar:** BA-2W. **other id:** A2 183. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529801 **origin:** India. **cultivar:** WESTERNS-I. **other id:** A2 184. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529802 **origin:** India. **cultivar:** COCANDAS. **other id:** A2 185. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529803 **origin:** Soviet Union. **cultivar:** RACE SINENSE. **other id:** A2 186. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529804 **origin:** Soviet Union. **cultivar:** CV 2557. **other id:** A2 187. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529805 **origin:** Soviet Union. **cultivar:** SUDANENSE. **other id:** A2 188. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.
- PI 529806 **origin:** Pakistan. **other id:** A2 189. **source:** Texas Diploid Asiatic Collection - G. arboreum. **remarks:** N I VAVILOV IPI 1985. Seed.

PI 529807 to 530706. *Gossypium hirsutum* L. MALVACEAE Upland cotton

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Race Collection - *Gossypium hirsutum* Numbered February 1989. Received February 1989.

- PI 529807 **origin:** El Salvador. **other id:** TEX 390. **source:** Texas Race Collection. **locality:** San Sebastian Island. **remarks:** J. EADIE, COOPERATIVA ALGODONERA. Wild. Seed.

PI 529807 to 530706-continued

- PI 529808 **origin:** United States. **other id:** TEX 396. **source:** Texas Race Collection. **locality:** Sacaton. **latitude:** 33 deg. 05 min. N. **longitude:** 111 deg. 42 min. W. **remarks:** KING AND HARRISON. Wild. Seed.
- PI 529809 **origin:** United States. **other id:** TEX 397. **source:** Texas Race Collection. **locality:** Sacaton. **latitude:** 33 deg. 05 min. N. **longitude:** 111 deg. 42 min. W. **remarks:** KING AND HARRISON. Wild. Seed.
- PI 529810 **origin:** United States. **other id:** TEX 399. **source:** Texas Race Collection. **locality:** Sacaton. **latitude:** 33 deg. 05 min. N. **longitude:** 111 deg. 42 min. W. **remarks:** KING AND HARRISON. Wild. Seed.
- PI 529811 **origin:** United States. **other id:** TEX 400. **source:** Texas Race Collection. **locality:** Sacaton. **latitude:** 33 deg. 05 min. N. **longitude:** 111 deg. 42 min. W. **remarks:** KING AND HARRISON. Wild. Seed.
- PI 529812 **origin:** United States. **other id:** TEX 401. **source:** Texas Race Collection. **locality:** Sacaton. **latitude:** 33 deg. 05 min. N. **longitude:** 111 deg. 42 min. W. **remarks:** FROM SACATON, ARIZONA. Wild. Seed.
- PI 529813 **origin:** United States. **other id:** TEX 404. **source:** Texas Race Collection. **locality:** Sacaton. **latitude:** 33 deg. 05 min. N. **longitude:** 111 deg. 42 min. W. **remarks:** FROM SACATON, ARIZONA. Wild. Seed.
- PI 529814 **origin:** United States. **other id:** TEX 406. **source:** Texas Race Collection. **locality:** Sacaton. **latitude:** 33 deg. 05 min. N. **longitude:** 111 deg. 42 min. W. **remarks:** KING AND HARRISON. Wild. Seed.
- PI 529815 **origin:** United States. **other id:** TEX 408. **source:** Texas Race Collection. **locality:** Sacaton. **latitude:** 33 deg. 05 min. N. **longitude:** 111 deg. 42 min. W. **remarks:** FROM SACATON, ARIZONA. Wild. Seed.
- PI 529816 **origin:** United States. **other id:** TEX 409. **source:** Texas Race Collection. **locality:** Sacaton. **latitude:** 33 deg. 05 min. N. **longitude:** 111 deg. 42 min. W. **remarks:** FROM SACATON, ARIZONA. Wild. Seed.
- PI 529817 **origin:** United States. **other id:** TEX 529. **source:** Texas Race Collection. **remarks:** MANNING & WARE 1948. Wild. Seed.

PI 529807 to 530706-continued

- PI 529818 **origin:** Bahamas. **other id:** TEX 804. **source:** Texas Race Collection. **locality:** Nassau. **latitude:** 25 deg. 05 min. N. **longitude:** 77 deg. 20 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529819 **origin:** Bahamas. **other id:** TEX 805. **source:** Texas Race Collection. **locality:** Chippingham. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529820 **origin:** Bahamas. **other id:** TEX 806. **source:** Texas Race Collection. **locality:** Chippingham. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529821 **origin:** Bahamas. **other id:** TEX 807. **source:** Texas Race Collection. **locality:** The Bluff. **latitude:** 25 deg. 30 min. N. **longitude:** 76 deg. 49 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529822 **origin:** Bahamas. **other id:** TEX 808. **source:** Texas Race Collection. **locality:** The Bluff. **latitude:** 25 deg. 30 min. N. **longitude:** 76 deg. 49 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529823 **origin:** Bahamas. **other id:** TEX 809. **source:** Texas Race Collection. **locality:** The Bluff. **latitude:** 25 deg. 30 min. N. **longitude:** 76 deg. 49 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529824 **origin:** Bahamas. **other id:** TEX 810. **source:** Texas Race Collection. **locality:** The Bluff. **latitude:** 25 deg. 30 min. N. **longitude:** 76 deg. 49 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529825 **origin:** Bahamas. **other id:** TEX 811. **source:** Texas Race Collection. **locality:** The Bluff. **latitude:** 25 deg. 30 min. N. **longitude:** 76 deg. 49 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529826 **origin:** Bahamas. **other id:** TEX 812. **source:** Texas Race Collection. **locality:** The Bluff. **latitude:** 25 deg. 30 min. N. **longitude:** 76 deg. 49 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529827 **origin:** Bahamas. **other id:** TEX 813. **source:** Texas Race Collection. **locality:** Lower Bague. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529828 **origin:** Bahamas. **other id:** TEX 814. **source:** Texas Race Collection. **locality:** Lower Bague. **remarks:** STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 529829 **origin:** Bahamas. **other id:** TEX 815. **source:** Texas Race Collection. **locality:** Current. **latitude:** 25 deg. 22 min. N. **longitude:** 76 deg. 48 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529830 **origin:** Puerto Rico. **other id:** TEX 816. **source:** Texas Race Collection. **locality:** Mona Island. **latitude:** 18 deg. 06 min. N. **longitude:** 67 deg. 54 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529831 **origin:** Trinidad and Tobago. **other id:** TEX 832. **source:** Texas Race Collection. **locality:** Turtle Beach. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529832 **origin:** Trinidad and Tobago. **other id:** TEX 833. **source:** Texas Race Collection. **locality:** Stauble s Bay. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529833 **origin:** Venezuela. **other id:** TEX 834. **source:** Texas Race Collection. **locality:** Maturin. **latitude:** 09 deg. 45 min. N. **longitude:** 63 deg. 10 min. W. **remarks:** STEPHENS COLL=T1011. Wild. Seed.
- PI 529834 **origin:** Venezuela. **other id:** TEX 839. **source:** Texas Race Collection. **locality:** Porlamar Margarita Is. **latitude:** 11 deg. 01 min. N. **longitude:** 63 deg. 54 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529835 **origin:** Venezuela. **other id:** TEX 840. **source:** Texas Race Collection. **locality:** Juangriego. **latitude:** 11 deg. 06 min. N. **longitude:** 63 deg. 59 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529836 **origin:** Venezuela. **other id:** TEX 841. **source:** Texas Race Collection. **locality:** Juangriego. **latitude:** 11 deg. 06 min. N. **longitude:** 63 deg. 59 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529837 **origin:** Venezuela. **other id:** TEX 842. **source:** Texas Race Collection. **locality:** Juangriego. **latitude:** 11 deg. 06 min. N. **longitude:** 63 deg. 59 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529838 **origin:** Venezuela. **other id:** TEX 843. **source:** Texas Race Collection. **locality:** Carupano. **latitude:** 10 deg. 39 min. N. **longitude:** 63 deg. 14 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529839 **origin:** Venezuela. **other id:** TEX 844. **source:** Texas Race Collection. **locality:** Carupano. **latitude:** 10 deg. 39 min. N. **longitude:** 63 deg. 14 min. W. **remarks:** STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 529840 **origin:** Venezuela. **other id:** TEX 847. **source:** Texas Race Collection. **locality:** Coconut Grove. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529841 **origin:** Venezuela. **other id:** TEX 849. **source:** Texas Race Collection. **locality:** Carupano. **latitude:** 10 deg. 39 min. N. **longitude:** 63 deg. 14 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529842 **origin:** Venezuela. **other id:** TEX 851. **source:** Texas Race Collection. **locality:** Carupano. **latitude:** 10 deg. 39 min. N. **longitude:** 63 deg. 14 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529843 **origin:** Venezuela. **other id:** TEX 852. **source:** Texas Race Collection. **locality:** Carupano. **latitude:** 10 deg. 39 min. N. **longitude:** 63 deg. 14 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529844 **origin:** Grenada. **other id:** TEX 853. **source:** Texas Race Collection. **locality:** Grande Anse. **remarks:** STEPHENS COLL=T975. Wild. Seed.
- PI 529845 **origin:** Grenada. **other id:** TEX 856. **source:** Texas Race Collection. **locality:** Carriacou. **latitude:** 12 deg. 29 min. N. **longitude:** 61 deg. 26 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529846 **origin:** Grenada. **other id:** TEX 858. **source:** Texas Race Collection. **locality:** Carriacou. **latitude:** 12 deg. 29 min. N. **longitude:** 61 deg. 26 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529847 **origin:** French West Indies. **other id:** TEX 865. **source:** Texas Race Collection. **locality:** Schoelcher. **latitude:** 14 deg. 37 min. N. **longitude:** 61 deg. 07 min. W. **remarks:** STEPHENS COLL=T981. Wild. Seed.
- PI 529848 **origin:** French West Indies. **other id:** TEX 866. **source:** Texas Race Collection. **locality:** Trois Islets. **latitude:** 14 deg. 32 min. N. **longitude:** 61 deg. 02 min. W. **remarks:** STEPHENS COLL=T982. Wild. Seed.
- PI 529849 **origin:** Portugal. **other id:** TEX 867. **source:** Texas Race Collection. **locality:** Graciosa Is. Guadalupe. **latitude:** 39 deg. 04 min. N. **longitude:** 28 deg. 04 min. W. **remarks:** STEPHENS COLL=T983. Wild. Seed.
- PI 529850 **origin:** United Kingdom. **other id:** TEX 871. **source:** Texas Race Collection. **locality:** Friar s Bay. **latitude:** 17 deg. 25 min. N. **longitude:** 62 deg. 45 min. W. **remarks:** STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 529851 **origin:** Virgin Islands, U.S.. **other id:** TEX 873.  
**source:** Texas Race Collection. **locality:** Charlotte Amalie. **latitude:** 18 deg. 22 min. N. **longitude:** 64 deg. 57 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529852 **origin:** Virgin Islands, U.S.. **other id:** TEX 874.  
**source:** Texas Race Collection. **locality:** Charlotte Amalie. **latitude:** 18 deg. 22 min. N. **longitude:** 64 deg. 57 min. W. **remarks:** STEPHENS COLL=T985. Wild. Seed.
- PI 529853 **origin:** Puerto Rico. **pedigree:** STEPHENS COLL - H 86 PALMERI. **other id:** TEX 878. **source:** Texas Race Collection. **locality:** Guanica. **latitude:** 17 deg. 59 min. N. **longitude:** 65 deg. 55 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529854 **origin:** Puerto Rico. **other id:** TEX 879. **source:** Texas Race Collection. **locality:** Tamarind Beach. **remarks:** STEPHENS COLL=T988. Wild. Seed.
- PI 529855 **origin:** Puerto Rico. **other id:** TEX 881. **source:** Texas Race Collection. **locality:** Tamarind Beach. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529856 **origin:** Puerto Rico. **other id:** TEX 882. **source:** Texas Race Collection. **locality:** Guanica. **latitude:** 17 deg. 59 min. N. **longitude:** 65 deg. 55 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529857 **origin:** Puerto Rico. **other id:** TEX 883. **source:** Texas Race Collection. **locality:** Cubo Rojo. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529858 **origin:** Dominican Republic. **other id:** TEX 884. **source:** Texas Race Collection. **locality:** Santo Domingo(cd. Trujillo). **latitude:** 18 deg. 30 min. N. **longitude:** 69 deg. 57 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529859 **origin:** Dominican Republic. **other id:** TEX 885. **source:** Texas Race Collection. **locality:** Santo Domingo(cd. Trujillo). **latitude:** 18 deg. 30 min. N. **longitude:** 69 deg. 57 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529860 **origin:** Haiti. **other id:** TEX 893. **source:** Texas Race Collection. **locality:** Port-au-prince. **latitude:** 18 deg. 33 min. N. **longitude:** 72 deg. 20 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529861 **origin:** Haiti. **other id:** TEX 895. **source:** Texas Race Collection. **locality:** Petionville. **remarks:** STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 529862 **origin:** Haiti. **other id:** TEX 898. **source:** Texas Race Collection. **locality:** Cap Haitien. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529863 **origin:** Cuba. **other id:** TEX 902. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529864 **origin:** Cuba. **other id:** TEX 903. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529865 **origin:** Grenada. **other id:** TEX 907. **source:** Texas Race Collection. **locality:** Grande Anse. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529866 **origin:** Dominican Republic. **other id:** TEX 911. **source:** Texas Race Collection. **locality:** Barahona. **latitude:** 18 deg. 13 min. N. **longitude:** 71 deg. 07 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529867 **origin:** Colombia. **other id:** TEX 937. **source:** Texas Race Collection. **locality:** Girardot. **latitude:** 04 deg. 19 min. N. **longitude:** 74 deg. 47 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529868 **origin:** Colombia. **other id:** TEX 939. **source:** Texas Race Collection. **locality:** Espinal. **latitude:** 04 deg. 08 min. N. **longitude:** 74 deg. 53 min. W. **remarks:** LUKEFAHR 1970. Wild. Seed.
- PI 529869 **origin:** Colombia. **other id:** TEX 940. **source:** Texas Race Collection. **locality:** Boqueron. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529870 **origin:** Colombia. **other id:** TEX 941. **source:** Texas Race Collection. **locality:** La Victoria. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529871 **origin:** Colombia. **other id:** TEX 943. **source:** Texas Race Collection. **locality:** Columbia. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 529872 **origin:** Colombia. **other id:** TEX 945. **source:** Texas Race Collection. **locality:** Dagua. **latitude:** 03 deg. 39 min. N. **longitude:** 76 deg. 40 min. W. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 529873 **origin:** Mexico. **other id:** TEX 948. **source:** Texas Race Collection. **locality:** Puente Jula. **remarks:** LUKEFAHR COLL. Wild. Seed.



PI 529807 to 530706-continued

- PI 529874 origin: Mexico. other id: TEX 953. source: Texas Race Collection. locality: (sto Domingo) Tehuantepec. latitude: 16 deg. 21 min. N. longitude: 95 deg. 16 min. W. remarks: LUKEFAHR COLL. Wild. Seed.
- PI 529875 origin: Nicaragua. other id: TEX 956. source: Texas Race Collection. locality: Managua. latitude: 12 deg. 06 min. N. longitude: 86 deg. 18 min. W. remarks: LUKEFAHR COLL. Wild. Seed.
- PI 529876 origin: Colombia. other id: TEX 957. source: Texas Race Collection. locality: Espinal. latitude: 04 deg. 08 min. N. longitude: 74 deg. 53 min. W. remarks: LUKEFAHR COLL. Wild. Seed.
- PI 529877 origin: Mexico. other id: TEX 959. source: Texas Race Collection. locality: Ruso Galvan. remarks: LUKEFAHR 1971=T1177. Wild. Seed.
- PI 529878 origin: Mexico. other id: TEX 960. source: Texas Race Collection. locality: Ruso Galvan. remarks: LUKEFAHR 1971. Wild. Seed.
- PI 529879 origin: Venezuela. other id: TEX 962. source: Texas Race Collection. locality: Carupano. latitude: 10 deg. 39 min. N. longitude: 63 deg. 14 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529880 origin: Jamaica. other id: TEX 967. source: Texas Race Collection. locality: Palisadoes. latitude: 17 deg. 57 min. N. longitude: 76 deg. 48 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529881 origin: Jamaica. other id: TEX 969. source: Texas Race Collection. locality: Jackson Bay. remarks: STEPHENS COLL. Wild. Seed.
- PI 529882 origin: French West Indies. other id: TEX 984. source: Texas Race Collection. locality: Gozier. remarks: STEPHENS COLL. Wild. Seed.
- PI 529883 origin: Virgin Islands, U.S.. other id: TEX 986. source: Texas Race Collection. locality: Charlotte Amalie. latitude: 18 deg. 22 min. N. longitude: 64 deg. 57 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529884 origin: Dominican Republic. other id: TEX 989. source: Texas Race Collection. locality: Ciudad Trujillo. latitude: 18 deg. 30 min. N. longitude: 69 deg. 57 min. W. remarks: STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 529885 origin: Jamaica. other id: TEX 996. source: Texas Race Collection. remarks: STEPHENS COLL. Wild. Seed.
- PI 529886 origin: Guam. other id: TEX 997. source: Texas Race Collection. remarks: STEPHENS COLL. Wild. Seed.
- PI 529887 origin: United States. other id: TEX 998. source: Texas Race Collection. locality: Oahu Is. Diamond Head. latitude: 21 deg. 16 min. N. longitude: 157 deg. 48 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529888 origin: Egypt. other id: TEX 1000. source: Texas Race Collection. remarks: STEPHENS COLL. Wild. Seed.
- PI 529889 origin: Philippines. other id: TEX 1003. source: Texas Race Collection. locality: Manila. latitude: 14 deg. 36 min. N. longitude: 20 deg. 59 min. E. remarks: STEPHENS COLL. Wild. Seed.
- PI 529890 origin: Philippines. other id: TEX 1004. source: Texas Race Collection. locality: Manila. latitude: 14 deg. 36 min. N. longitude: 20 deg. 59 min. E. remarks: STEPHENS COLL. Wild. Seed.
- PI 529891 origin: Mozambique. other id: TEX 1005. source: Texas Race Collection. locality: Zambesi Valley. remarks: STEPHENS COLL. Wild. Seed.
- PI 529892 origin: Guatemala. other id: TEX 1008. source: Texas Race Collection. locality: San Jose. latitude: 13 deg. 58 min. N. longitude: 90 deg. 50 min. W. remarks: STEPHENS COLL=T1090. Wild. Seed.
- PI 529893 origin: Venezuela. other id: TEX 1015. source: Texas Race Collection. locality: Cumana. latitude: 10 deg. 29 min. N. longitude: 64 deg. 12 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529894 origin: Colombia. other id: TEX 1020. source: Texas Race Collection. locality: Monteria. latitude: 08 deg. 45 min. N. longitude: 75 deg. 54 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529895 origin: Colombia. other id: TEX 1021. source: Texas Race Collection. locality: Monteria. latitude: 08 deg. 45 min. N. longitude: 75 deg. 54 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529896 origin: Colombia. other id: TEX 1023. source: Texas Race Collection. locality: Girardot. latitude: 04 deg. 19 min. N. longitude: 74 deg. 47 min. W. remarks: STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 529897 **origin:** Brazil. **other id:** TEX 1028. **source:** Texas Race Collection. **locality:** Belem. **latitude:** 01 deg. 27 min. N. **longitude:** 48 deg. 29 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529898 **origin:** Brazil. **other id:** TEX 1029. **source:** Texas Race Collection. **locality:** Acari. **latitude:** 06 deg. 22 min. S. **longitude:** 36 deg. 40 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529899 **origin:** Brazil. **other id:** TEX 1030. **source:** Texas Race Collection. **locality:** Acari. **latitude:** 06 deg. 22 min. S. **longitude:** 36 deg. 40 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529900 **origin:** Brazil. **other id:** TEX 1032. **source:** Texas Race Collection. **locality:** Aracati. **latitude:** 04 deg. 38 min. S. **longitude:** 37 deg. 45 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529901 **origin:** Brazil. **other id:** TEX 1033. **source:** Texas Race Collection. **locality:** Quixeramobim. **latitude:** 05 deg. 16 min. S. **longitude:** 39 deg. 20 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529902 **origin:** Surinam. **other id:** TEX 1034. **source:** Texas Race Collection. **locality:** Paramaribo. **latitude:** 05 deg. 52 min. N. **longitude:** 55 deg. 14 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529903 **origin:** Australia. **historical origin:** Australia. **other id:** TEX 1036. **source:** Texas Race Collection. **locality:** Darwin. **latitude:** 12 deg. 23 min. S. **longitude:** 130 deg. 44 min. W. **remarks:** FRYXELL. Wild. Seed.
- PI 529904 **origin:** Mexico. **other id:** TEX 1041. **source:** Texas Race Collection. **locality:** Mante Ciudad. **latitude:** 22 deg. 44 min. N. **longitude:** 98 deg. 59 min. W. **remarks:** FRYXELL. Wild. Seed.
- PI 529905 **origin:** Mexico. **other id:** TEX 1042. **source:** Texas Race Collection. **remarks:** FRYXELL. Wild. Seed.
- PI 529906 **origin:** Mexico. **other id:** TEX 1043. **source:** Texas Race Collection. **remarks:** FRYXELL. Wild. Seed.
- PI 529907 **origin:** United States. **other id:** TEX 1050. **source:** Texas Race Collection. **remarks:** ORINOCO COTTON. Wild. Seed.

PI 529807 to 530706-continued

- PI 529908 **origin:** Chad. **other id:** TEX 1053. **source:** Texas Race Collection. **locality:** Lake Chad. **latitude:** 13 deg. 20 min. N. **longitude:** 14 deg. 20 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529909 **origin:** Chad. **other id:** TEX 1054. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529910 **origin:** Mexico. **other id:** TEX 1055. **source:** Texas Race Collection. **locality:** El Capital. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529911 **origin:** Colombia. **other id:** TEX 1056. **source:** Texas Race Collection. **locality:** Corozal. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529912 **origin:** Colombia. **other id:** TEX 1057. **source:** Texas Race Collection. **locality:** Corozal. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529913 **origin:** Colombia. **other id:** TEX 1058. **source:** Texas Race Collection. **locality:** Corozal. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529914 **origin:** Colombia. **other id:** TEX 1059. **source:** Texas Race Collection. **locality:** Corozal. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529915 **origin:** Colombia. **other id:** TEX 1061. **source:** Texas Race Collection. **locality:** Ovejas. **latitude:** 09 deg. 32 min. N. **longitude:** 75 deg. 14 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529916 **origin:** Colombia. **other id:** TEX 1062. **source:** Texas Race Collection. **locality:** Repelon. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529917 **origin:** Colombia. **other id:** TEX 1063. **source:** Texas Race Collection. **locality:** Repelon. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529918 **origin:** Colombia. **other id:** TEX 1064. **source:** Texas Race Collection. **locality:** El Pinal. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529919 **origin:** Colombia. **other id:** TEX 1065. **source:** Texas Race Collection. **locality:** Cienaga De Oro. **latitude:** 11 deg. 01 min. N. **longitude:** 74 deg. 15 min. W. **remarks:** STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 529920 origin: Colombia. other id: TEX 1066. source: Texas Race Collection. locality: Cordoba. latitude: 08 deg. 54 min. N. longitude: 75 deg. 39 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529921 origin: Colombia. other id: TEX 1068. source: Texas Race Collection. locality: Cordoba. latitude: 08 deg. 54 min. N. longitude: 75 deg. 39 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529922 origin: Trinidad and Tobago. other id: TEX 1069. source: Texas Race Collection. locality: Turtle Beach. remarks: STEPHENS COLL. Wild. Seed.
- PI 529923 origin: Colombia. other id: TEX 1072. source: Texas Race Collection. locality: San Anterito. remarks: STEPHENS COLL. Wild. Seed.
- PI 529924 origin: Colombia. other id: TEX 1073. source: Texas Race Collection. locality: San Anterito. remarks: STEPHENS COLL. Wild. Seed.
- PI 529925 origin: Colombia. other id: TEX 1074. source: Texas Race Collection. locality: Bocarin. remarks: STEPHENS COLL. Wild. Seed.
- PI 529926 origin: Dominican Republic. other id: TEX 1075. source: Texas Race Collection. locality: Carib Reserve. remarks: STEPHENS COLL. Wild. Seed.
- PI 529927 origin: Venezuela. other id: TEX 1086. source: Texas Race Collection. locality: Cachama. remarks: STEPHENS COLL. Wild. Seed.
- PI 529928 origin: Puerto Rico. other id: TEX 1089. source: Texas Race Collection. locality: Rincon. latitude: 30 deg. 22 min. N. longitude: 67 deg. 15 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529929 origin: Guatemala. other id: TEX 1092. source: Texas Race Collection. remarks: STEPHENS COLL=T69. Wild. Seed.
- PI 529930 origin: Guatemala. other id: TEX 1094. source: Texas Race Collection. locality: Motagua Valley. remarks: STEPHENS COLL=T240. Wild. Seed.
- PI 529931 origin: Costa Rica. other id: TEX 1096. source: Texas Race Collection. locality: Puntarenas. latitude: 10 deg. 00 min. N. longitude: 84 deg. 50 min. W. remarks: STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 529932 origin: Mexico. origin institute: S. G. Stephens H 801, Oaxaca. pedigree: "morrilli". other id: TEX 1097. source: Texas Race Collection. Seed.
- PI 529933 origin: United States. other id: TEX 1099. source: Texas Race Collection. remarks: STEPHENS COLL. Wild. Seed.
- PI 529934 origin: United States. other id: TEX 1100. source: Texas Race Collection. locality: Sacaton. latitude: 33 deg. 05 min. N. longitude: 111 deg. 42 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529935 origin: Mexico. other id: TEX 1101. source: Texas Race Collection. remarks: STEPHENS COLL=T18. Wild. Seed.
- PI 529936 origin: Mexico. other id: TEX 1102. source: Texas Race Collection. remarks: STEPHENS COLL=T19. Wild. Seed.
- PI 529937 origin: Mexico. other id: TEX 1103. source: Texas Race Collection. remarks: STEPHENS COLL=T25. Wild. Seed.
- PI 529938 origin: Mexico. other id: TEX 1104. source: Texas Race Collection. remarks: STEPHENS COLL=T26. Wild. Seed.
- PI 529939 origin: Mexico. other id: TEX 1105. source: Texas Race Collection. remarks: STEPHENS COLL=T29. Wild. Seed.
- PI 529940 origin: Mexico. other id: TEX 1106. source: Texas Race Collection. remarks: STEPHENS COLL=T480. Wild. Seed.
- PI 529941 origin: Mexico. other id: TEX 1107. source: Texas Race Collection. remarks: STEPHENS COLL=T481. Wild. Seed.
- PI 529942 origin: Mexico. other id: TEX 1108. source: Texas Race Collection. remarks: STEPHENS COLL=T487. Wild. Seed.
- PI 529943 origin: Mexico. other id: TEX 1109. source: Texas Race Collection. locality: Gonzales. latitude: 22 deg. 50 min. N. longitude: 98 deg. 25 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529944 origin: Mexico. other id: TEX 1110. source: Texas Race Collection. remarks: STEPHENS COLL. Wild. Seed.
- PI 529945 origin: Mexico. other id: TEX 1111. source: Texas Race Collection. locality: Mata De Espero. remarks: STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 529946 **origin:** Mexico. **other id:** TEX 1112. **source:** Texas Race Collection. **locality:** Tampico. **latitude:** 22 deg. 18 min. N. **longitude:** 97 deg. 52 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529947 **origin:** Mexico. **other id:** TEX 1113. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529948 **origin:** Mexico. **other id:** TEX 1114. **source:** Texas Race Collection. **locality:** Mazatlan. **latitude:** 23 deg. 11 min. N. **longitude:** 106 deg. 25 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529949 **origin:** Mexico. **other id:** TEX 1115. **source:** Texas Race Collection. **locality:** Mazatlan. **latitude:** 23 deg. 11 min. N. **longitude:** 106 deg. 25 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529950 **origin:** Mexico. **other id:** TEX 1116. **source:** Texas Race Collection. **locality:** Tiquicheo. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529951 **origin:** Mexico. **other id:** TEX 1117. **source:** Texas Race Collection. **locality:** Tiquicheo. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529952 **origin:** Mexico. **other id:** TEX 1118. **source:** Texas Race Collection. **locality:** Mazatlan. **latitude:** 23 deg. 11 min. N. **longitude:** 106 deg. 25 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529953 **origin:** Mexico. **other id:** TEX 1120. **source:** Texas Race Collection. **locality:** Cempola. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529954 **origin:** United States. **other id:** TEX 1121. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529955 **origin:** Philippines. **other id:** TEX 1125. **source:** Texas Race Collection. **locality:** Manila. **latitude:** 14 deg. 36 min. N. **longitude:** 20 deg. 59 min. E. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529956 **origin:** Philippines. **other id:** TEX 1126. **source:** Texas Race Collection. **locality:** Manila. **latitude:** 14 deg. 36 min. N. **longitude:** 20 deg. 59 min. E. **remarks:** STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 529957 origin: Colombia. other id: TEX 1127. source: Texas Race Collection. locality: Villavicencio. latitude: 04 deg. 09 min. N. longitude: 73 deg. 38 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529958 origin: Colombia. other id: TEX 1128. source: Texas Race Collection. locality: Villavicencio. latitude: 04 deg. 09 min. N. longitude: 73 deg. 38 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529959 origin: Colombia. other id: TEX 1129. source: Texas Race Collection. locality: Roldanillo. latitude: 04 deg. 23 min. N. longitude: 76 deg. 08 min. W. remarks: STEPHENS COLL=T938. Wild. Seed.
- PI 529960 origin: Colombia. other id: TEX 1130. source: Texas Race Collection. locality: Darmen De Apicala. remarks: LUKEFAHR 1971. Wild. Seed.
- PI 529961 origin: Mexico. other id: TEX 1131. source: Texas Race Collection. locality: Tampanachaco. remarks: LUKEFAHR 1971. Wild. Seed.
- PI 529962 origin: Colombia. other id: TEX 1132. source: Texas Race Collection. locality: Zarzal. latitude: 04 deg. 24 min. N. longitude: 76 deg. 01 min. W. remarks: LUKEFAHR 1971. Wild. Seed.
- PI 529963 origin: Mexico. other id: TEX 1134. source: Texas Race Collection. locality: Piedras Negras. latitude: 18 deg. 48 min. N. longitude: 96 deg. 12 min. W. remarks: LUKEFAHR 1971. Wild. Seed.
- PI 529964 origin: Mexico. other id: TEX 1135. source: Texas Race Collection. locality: Isle De Algodon. remarks: LUKEFAHR 1971. Wild. Seed.
- PI 529965 origin: United States. other id: TEX 1136. source: Texas Race Collection. locality: Coca Rande Key Is. latitude: 24 deg. 32 min. N. longitude: 81 deg. 59 min. W. remarks: LUKEFAHR 1971. Wild. Seed.
- PI 529966 origin: United States. other id: TEX 1149. source: Texas Race Collection. remarks: (= T18 ?). Wild. Seed.
- PI 529967 origin: United States. other id: TEX 1151. source: Texas Race Collection. Wild. Seed.
- PI 529968 origin: Mexico. other id: TEX 1152. source: Texas Race Collection. Wild. Seed.



PI 529807 to 530706-continued

- PI 529969 origin: Guatemala. other id: TEX 1154. source: Texas Race Collection. remarks: ERGLE. Wild. Seed.
- PI 529970 origin: Dominican Republic. other id: TEX 1171. source: Texas Race Collection. locality: Barahona. latitude: 18 deg. 13 min. N. longitude: 71 deg. 07 min. W. remarks: STEPHENS COLL ?. Wild. Seed.
- PI 529971 origin: Mexico. other id: TEX 1174. source: Texas Race Collection. locality: Rancho Pescadero. remarks: LUKEFAHR 1972. Wild. Seed.
- PI 529972 origin: Mexico. other id: TEX 1175. source: Texas Race Collection. locality: Santa Clara. remarks: LUKEFAHR 1972. Wild. Seed.
- PI 529973 origin: Mexico. other id: TEX 1176. source: Texas Race Collection. locality: Tampico. latitude: 22 deg. 18 min. N. longitude: 97 deg. 52 min. W. remarks: LUKEFAHR 1971. Wild. Seed.
- PI 529974 origin: Mexico. other id: TEX 1177. source: Texas Race Collection. locality: Ursala Galvan. remarks: STEPHENS COLL=T959. Wild. Seed.
- PI 529975 origin: Mexico. other id: TEX 1178. source: Texas Race Collection. locality: Ba Pesca. remarks: STEPHENS COLL. Wild. Seed.
- PI 529976 origin: Mexico. other id: TEX 1179. source: Texas Race Collection. locality: Veracruz. latitude: 19 deg. 11 min. N. longitude: 96 deg. 10 min. W. remarks: LUKEFAHR 1972. Wild. Seed.
- PI 529977 origin: Mexico. other id: TEX 1180. source: Texas Race Collection. locality: Tierra Colorado. latitude: 17 deg. 10 min. N. longitude: 99 deg. 30 min. W. remarks: LUKEFAHR 1972. Wild. Seed.
- PI 529978 origin: Mexico. other id: TEX 1182. source: Texas Race Collection. locality: San Lucas. latitude: 22 deg. 50 min. N. longitude: 109 deg. 52 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529979 origin: Mexico. other id: TEX 1183. source: Texas Race Collection. locality: Todos Santos. latitude: 23 deg. 28 min. N. longitude: 110 deg. 14 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 529980 origin: Australia. historical origin: Australia. other id: TEX 1189. source: Texas Race Collection. remarks: LUKEFAHR COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 529981 **origin:** Jamaica. **other id:** TEX 1216. **source:** Texas Race Collection. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 529982 **origin:** Jamaica. **other id:** TEX 1217. **source:** Texas Race Collection. **locality:** Gunboat Beach. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 529983 **origin:** Mexico. **other id:** TEX 1218. **source:** Texas Race Collection. **locality:** Tamiagua. **latitude:** 21 deg. 18 min. N. **longitude:** 97 deg. 28 min. W. **remarks:** G BARBADENSE. Wild. Seed.
- PI 529984 **origin:** Mexico. **other id:** TEX 1219. **source:** Texas Race Collection. **locality:** Cardel. **remarks:** LUKEFAHR 1972. Wild. Seed.
- PI 529985 **origin:** Mexico. **other id:** TEX 1220. **source:** Texas Race Collection. **locality:** La Pesca. **latitude:** 23 deg. 46 min. N. **longitude:** 97 deg. 47 min. W. **remarks:** LUKEFAHR 1972. Wild. Seed.
- PI 529986 **origin:** Mexico. **other id:** TEX 1221. **source:** Texas Race Collection. **locality:** Veracruz. **latitude:** 19 deg. 11 min. N. **longitude:** 96 deg. 10 min. W. **remarks:** LUKEFAHR 1973. Wild. Seed.
- PI 529987 **origin:** Mexico. **other id:** TEX 1222. **source:** Texas Race Collection. **locality:** Tehuatlin. **remarks:** LUKEFAHR 1973. Wild. Seed.
- PI 529988 **origin:** Mexico. **other id:** TEX 1223. **source:** Texas Race Collection. **locality:** El Tajin. **latitude:** 20 deg. 28 min. N. **longitude:** 97 deg. 28 min. W. **remarks:** G BARBADENSE. Wild. Seed.
- PI 529989 **origin:** Colombia. **other id:** TEX 1224. **source:** Texas Race Collection. **locality:** Barranquilla. **latitude:** 11 deg. 00 min. N. **longitude:** 74 deg. 50 min. W. **remarks:** LUKEFAHR 1971. Wild. Seed.
- PI 529990 **origin:** Mexico. **other id:** TEX 1225. **source:** Texas Race Collection. **locality:** Mata Espinoso. **remarks:** LUKEFAHR 1973. Wild. Seed.
- PI 529991 **origin:** Mexico. **other id:** TEX 1226. **source:** Texas Race Collection. **locality:** Tierra Colorada. **latitude:** 17 deg. 10 min. N. **longitude:** 99 deg. 30 min. W. **remarks:** LUKEFAHR 1973. Wild. Seed.

PI 529807 to 530706-continued

- PI 529992 **origin:** Mexico. **other id:** TEX 1227. **source:** Texas Race Collection. **locality:** El Tajin. **latitude:** 20 deg. 28 min. N. **longitude:** 97 deg. 28 min. W. **remarks:** G BARBADENSE. Wild. Seed.
- PI 529993 **origin:** Mexico. **other id:** TEX 1228. **source:** Texas Race Collection. **locality:** Palo Gaucho. **remarks:** LUKEFAHR 1972. Wild. Seed.
- PI 529994 **origin:** Jamaica. **other id:** TEX 1229. **source:** Texas Race Collection. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 529995 **origin:** Jamaica. **other id:** TEX 1230. **source:** Texas Race Collection. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 529996 **origin:** Mexico. **other id:** TEX 1231. **source:** Texas Race Collection. **locality:** Jimenez. **remarks:** LUKEFAHR 1973. Wild. Seed.
- PI 529997 **origin:** Virgin Islands, U.S.. **other id:** TEX 1237. **source:** Texas Race Collection. **locality:** Charlotte Amalie. **latitude:** 18 deg. 22 min. N. **longitude:** 64 deg. 57 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529998 **origin:** United States. **other id:** TEX 1238. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 529999 **origin:** Colombia. **other id:** TEX 1239. **source:** Texas Race Collection. **locality:** Monchila. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530000 **origin:** Puerto Rico. **other id:** TEX 1240. **source:** Texas Race Collection. **locality:** Mona Island. **latitude:** 18 deg. 06 min. N. **longitude:** 67 deg. 54 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530001 **origin:** Venezuela. **other id:** TEX 1241. **source:** Texas Race Collection. **locality:** Estado Miranda. **remarks:** STEPHENS COLL G BARB?. Wild. Seed.
- PI 530002 **origin:** Venezuela. **other id:** TEX 1242. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530003 **origin:** Puerto Rico. **other id:** TEX 1243. **source:** Texas Race Collection. **locality:** Tamarind Beach. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530004 **origin:** Venezuela. **other id:** TEX 1245. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 530005 **origin:** Venezuela. **other id:** TEX 1246. **source:** Texas Race Collection. **locality:** Timotes. **latitude:** 09 deg. 00 min. N. **longitude:** 70 deg. 47 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530006 **origin:** Mexico. **other id:** TEX 1247. **source:** Texas Race Collection. **locality:** Chivato Pt. **latitude:** 27 deg. 04 min. N. **longitude:** 111 deg. 58 min. W. **remarks:** STEPHENS COLL G BARB?. Wild. Seed.
- PI 530007 **origin:** United States. **other id:** TEX 1248. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530008 **origin:** Brazil. **other id:** TEX 1249. **source:** Texas Race Collection. **locality:** Tua Tymbiros. **latitude:** 01 deg. 27 min. S. **longitude:** 48 deg. 29 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530009 **origin:** Brazil. **other id:** TEX 1250. **source:** Texas Race Collection. **locality:** Natal. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530010 **origin:** Brazil. **other id:** TEX 1251. **source:** Texas Race Collection. **locality:** Acari. **latitude:** 06 deg. 22 min. S. **longitude:** 36 deg. 40 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530011 **origin:** Brazil. **other id:** TEX 1252. **source:** Texas Race Collection. **locality:** Acari. **latitude:** 06 deg. 22 min. S. **longitude:** 36 deg. 40 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530012 **origin:** Guatemala. **other id:** TEX 1255. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530013 **origin:** Guatemala. **other id:** TEX 1256. **source:** Texas Race Collection. **locality:** Coban. **latitude:** 15 deg. 28 min. N. **longitude:** 90 deg. 20 min. W. **remarks:** STEPHENS COLL G BARB?. Wild. Seed.
- PI 530014 **origin:** Mexico. **other id:** TEX 1257. **source:** Texas Race Collection. **locality:** Todos Santos. **latitude:** 38 deg. 28 min. N. **longitude:** 110 deg. 14 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530015 **origin:** India. **other id:** TEX 1258. **source:** Texas Race Collection. **locality:** Ponda. **remarks:** STEPHENS COLL. Wild. Seed.

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- PI 530016 **origin:** Ghana. **other id:** TEX 1259. **source:** Texas Race Collection. **locality:** Accra. **latitude:** 05 deg. 33 min. N. **longitude:** 00 deg. 15 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530017 **origin:** Dominican Republic. **other id:** TEX 1260. **source:** Texas Race Collection. **remarks:** PRESLY. Wild. Seed.
- PI 530018 **origin:** Dominican Republic. **other id:** TEX 1261. **source:** Texas Race Collection. **remarks:** PRESLY. Wild. Seed.
- PI 530019 **origin:** Dominican Republic. **other id:** TEX 1262. **source:** Texas Race Collection. **remarks:** PRESLY. Wild. Seed.
- PI 530020 **origin:** Dominican Republic. **other id:** TEX 1263. **source:** Texas Race Collection. **remarks:** PRESLY. Wild. Seed.
- PI 530021 **origin:** French West Indies. **other id:** TEX 1267. **source:** Texas Race Collection. **locality:** Lamentin. **latitude:** 14 deg. 37 min. N. **longitude:** 61 deg. 01 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530022 **origin:** Colombia. **other id:** TEX 1269. **source:** Texas Race Collection. **locality:** San Anterito. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530023 **origin:** Colombia. **other id:** TEX 1270. **source:** Texas Race Collection. **locality:** Bocarin. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530024 **origin:** Colombia. **other id:** TEX 1271. **source:** Texas Race Collection. **locality:** Santander. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530025 **origin:** United States. **other id:** TEX 1272. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530026 **origin:** United States. **other id:** TEX 1273. **source:** Texas Race Collection. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530027 **origin:** Colombia. **other id:** TEX 1274. **source:** Texas Race Collection. **locality:** Garzon. **latitude:** 02 deg. 14 min. N. **longitude:** 75 deg. 37 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530028 **origin:** Colombia. **other id:** TEX 1275. **source:** Texas Race Collection. **locality:** Garzon. **latitude:** 02 deg. 14 min. N. **longitude:** 75 deg. 37 min. W. **remarks:** STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 530029 origin: Colombia. other id: TEX 1276. source: Texas Race Collection. locality: El Gigante. remarks: STEPHENS COLL. Wild. Seed.
- PI 530030 origin: Puerto Rico. other id: TEX 1277. source: Texas Race Collection. locality: Mona Island. latitude: 18 deg. 06 min. N. longitude: 67 deg. 54 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 530031 origin: Puerto Rico. other id: TEX 1278. source: Texas Race Collection. locality: Mona Island. latitude: 18 deg. 06 min. N. longitude: 67 deg. 54 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 530032 origin: Puerto Rico. other id: TEX 1279. source: Texas Race Collection. locality: Mona Island. latitude: 18 deg. 06 min. N. longitude: 67 deg. 54 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 530033 origin: Venezuela. other id: TEX 1281. source: Texas Race Collection. locality: Monagas. remarks: STEPHENS COLL. Wild. Seed.
- PI 530034 origin: Venezuela. other id: TEX 1287. source: Texas Race Collection. remarks: STEPHENS COLL. Wild. Seed.
- PI 530035 origin: United States. other id: TEX 1288. source: Texas Race Collection. remarks: STEPHENS COLL. Wild. Seed.
- PI 530036 origin: Puerto Rico. other id: TEX 1289. source: Texas Race Collection. locality: Mona Island. latitude: 18 deg. 06 min. N. longitude: 67 deg. 54 min. W. remarks: STEPHENS COLL. Wild. Seed.
- PI 530037 origin: Brazil. other id: TEX 1290. source: Texas Race Collection. locality: Fajenda Sao Myriel. remarks: STEPHENS COLL. Wild. Seed.
- PI 530038 origin: Mexico. other id: TEX 1292. source: Texas Race Collection. locality: Jungapeo. remarks: STEPHENS COLL. Wild. Seed.
- PI 530039 origin: American Samoa. other id: TEX 1295. source: Texas Race Collection. remarks: STEPHENS COLL. Wild. Seed.
- PI 530040 origin: St Lucia. other id: TEX 1296. source: Texas Race Collection. locality: Castries. latitude: 14 deg. 01 min. N. longitude: 60 deg. 59 min. W. remarks: STEPHENS COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 530041 **origin:** Colombia. **other id:** TEX 1297. **source:** Texas Race Collection. **locality:** Garzon. **latitude:** 02 deg. 14 min. N. **longitude:** 75 deg. 37 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530042 **origin:** Colombia. **other id:** TEX 1298. **source:** Texas Race Collection. **locality:** Garzon. **latitude:** 02 deg. 14 min. N. **longitude:** 75 deg. 37 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530043 **origin:** Spain. **other id:** TEX 1299. **source:** Texas Race Collection. **locality:** Barlovento. **latitude:** 28 deg. 49 min. N. **longitude:** 17 deg. 48 min. W. **remarks:** STEPHENS COLL. Wild. Seed.
- PI 530044 **origin:** Soviet Union. **other id:** TEX 1309. **source:** Texas Race Collection. **locality:** Tashkent. **latitude:** 41 deg. 16 min. N. **longitude:** 69 deg. 13 min. E. Wild. Seed.
- PI 530045 **origin:** Mexico. **other id:** TEX 1310. **source:** Texas Race Collection. **locality:** Jesus Maria. **latitude:** 22 deg. 00 min. N. **longitude:** 102 deg. 20 min. W. **remarks:** HINTON. Wild. Seed.
- PI 530046 **origin:** Mexico. **other id:** TEX 1311. **source:** Texas Race Collection. **locality:** Puerto Escondido. **remarks:** LUKEFAHR 1975. Wild. Seed.
- PI 530047 **origin:** Mexico. **other id:** TEX 1312. **source:** Texas Race Collection. **locality:** Isla Mujeres. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 530048 **origin:** French Polynesia. **other id:** TEX 1313. **source:** Texas Race Collection. **locality:** Ua Huka Is. **latitude:** 08 deg. 55 min. S. **longitude:** 139 deg. 32 min. W. **remarks:** DECKER. Wild. Seed.
- PI 530049 **origin:** Panama. **other id:** TEX 1314. **source:** Texas Race Collection. **remarks:** SMITH. Wild. Seed.
- PI 530050 **origin:** Panama. **other id:** TEX 1315. **source:** Texas Race Collection. **locality:** Aguadulce. **latitude:** 08 deg. 06 min. N. **longitude:** 80 deg. 31 min. W. **remarks:** SMITH. Wild. Seed.
- PI 530051 **origin:** Nicaragua. **other id:** TEX 1316. **source:** Texas Race Collection. **locality:** San Benito. **remarks:** BARRETT. Wild. Seed.
- PI 530052 **origin:** Nicaragua. **other id:** TEX 1317. **source:** Texas Race Collection. **locality:** San Benito. **remarks:** BARRETT. Wild. Seed.

PI 529807 to 530706-continued

- PI 530053 origin: Nicaragua. other id: TEX 1318. source: Texas Race Collection. locality: San Benito. remarks: BARRETT. Wild. Seed.
- PI 530054 origin: Colombia. other id: TEX 1319. source: Texas Race Collection. locality: La Paila. remarks: BARRETT. Wild. Seed.
- PI 530055 origin: Colombia. other id: TEX 1320. source: Texas Race Collection. locality: Dagua. latitude: 03 deg. 39 min. N. longitude: 76 deg. 40 min. W. remarks: BARRETT. Wild. Seed.
- PI 530056 origin: United States. other id: TEX 1328. source: Texas Race Collection. remarks: FRYXELL. Wild. Seed.
- PI 530057 origin: Mexico. other id: TEX 1329. source: Texas Race Collection. locality: Tanlajas. latitude: 21 deg. 40 min. N. longitude: 98 deg. 51 min. W. remarks: LUKEFAHR 1976. Wild. Seed.
- PI 530058 origin: Mexico. other id: TEX 1330. source: Texas Race Collection. locality: Santa Rosa. remarks: LUKEFAHR 1976. Wild. Seed.
- PI 530059 origin: Mexico. other id: TEX 1331. source: Texas Race Collection. locality: La Argentina. remarks: LUKEFAHR 1976. Wild. Seed.
- PI 530060 origin: Mexico. other id: TEX 1332. source: Texas Race Collection. locality: Tancolol. remarks: LUKEFAHR 1976. Wild. Seed.
- PI 530061 origin: Mexico. other id: TEX 1333. source: Texas Race Collection. locality: Kuelhabitadz. remarks: LUKEFAHR 1976. Wild. Seed.
- PI 530062 origin: Mexico. other id: TEX 1334. source: Texas Race Collection. locality: Kuelhabitadz. remarks: LUKEFAHR 1976. Wild. Seed.
- PI 530063 origin: Mexico. other id: TEX 1335. source: Texas Race Collection. locality: San Jose Chaxilatzen. remarks: LUKEFAHR 1976. Wild. Seed.
- PI 530064 origin: Mexico. other id: TEX 1336. source: Texas Race Collection. locality: San Jose Chaxilatzen. remarks: LUKEFAHR 1976. Wild. Seed.
- PI 530065 origin: Mexico. other id: TEX 1337. source: Texas Race Collection. locality: San Jose Chaxilatzen. remarks: LUKEFAHR 1976. Wild. Seed.



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- PI 530066 origin: Mexico. other id: TEX 1338. source: Texas Race Collection. locality: San Jose Chaxilatzten. remarks: LUKEFAHR 1976. Wild. Seed.
- PI 530067 origin: Mexico. other id: TEX 1339. source: Texas Race Collection. locality: San Jose Chaxilatzten. remarks: LUKEFAHR 1976. Wild. Seed.
- PI 530068 origin: Bahamas. other id: TEX 1340. source: Texas Race Collection. locality: Rock Sound. latitude: 24 deg. 56 min. N. longitude: 76 deg. 11 min. W. remarks: HILL. Wild. Seed.
- PI 530069 origin: United States. other id: TEX 1341. source: Texas Race Collection. locality: Big Pine Key. latitude: 24 deg. 41 min. N. longitude: 81 deg. 21 min. W. remarks: HILL. Wild. Seed.
- PI 530070 origin: Bahamas. other id: TEX 1342. source: Texas Race Collection. remarks: CORELL. Wild. Seed.
- PI 530071 origin: Bahamas. other id: TEX 1343. source: Texas Race Collection. locality: Port Nelson. latitude: 23 deg. 41 min. N. longitude: 74 deg. 51 min. W. remarks: CORRELL & WASSHAUSEN. Wild. Seed.
- PI 530072 origin: Bahamas. other id: TEX 1344. source: Texas Race Collection. locality: Port Nelson. latitude: 23 deg. 41 min. N. longitude: 74 deg. 51 min. W. remarks: CORRELL & WASSHAUSEN. Wild. Seed.
- PI 530073 origin: Bahamas. other id: TEX 1345. source: Texas Race Collection. locality: Port Nelson. latitude: 23 deg. 41 min. N. longitude: 74 deg. 51 min. W. remarks: CORRELL & WASSHAUSEN. Wild. Seed.
- PI 530074 origin: Bahamas. other id: TEX 1346. source: Texas Race Collection. locality: Columbus Landing Monument. latitude: 24 deg. 00 min. N. longitude: 74 deg. 32 min. W. remarks: CORRELL & WASSHAUSEN. Wild. Seed.
- PI 530075 origin: Mexico. other id: TEX 1347. source: Texas Race Collection. locality: Prinillo. remarks: LUKEFAHR 1976 G BARB?. Wild. Seed.
- PI 530076 origin: Mexico. other id: TEX 1348. source: Texas Race Collection. locality: Puerto Rico. latitude: 19 deg. 29 min. N. longitude: 96 deg. 59 min. W. remarks: LUKEFAHR 1976. Wild. Seed.

PI 529807 to 530706-continued

- PI 530077 **origin:** Mexico. **other id:** TEX 1349. **source:** Texas Race Collection. **locality:** Manzanillo. **latitude:** 19 deg. 00 min. N. **longitude:** 104 deg. 20 min. W. **remarks:** LUKEFAHR 1976. Wild. Seed.
- PI 530078 **origin:** Mexico. **other id:** TEX 1350. **source:** Texas Race Collection. **locality:** Manzanillo. **latitude:** 19 deg. 00 min. N. **longitude:** 104 deg. 20 min. W. **remarks:** LUKEFAHR 1976. Wild. Seed.
- PI 530079 **origin:** Mexico. **other id:** TEX 1351. **source:** Texas Race Collection. **locality:** Manzanillo. **latitude:** 19 deg. 00 min. N. **longitude:** 104 deg. 20 min. W. **remarks:** LUKEFAHR 1976. Wild. Seed.
- PI 530080 **origin:** Puerto Rico. **other id:** TEX 1352. **source:** Texas Race Collection. **locality:** La Pica. **remarks:** WILSON. Wild. Seed.
- PI 530081 **origin:** Puerto Rico. **other id:** TEX 1353. **source:** Texas Race Collection. **locality:** La Pica. **remarks:** WILSON. Wild. Seed.
- PI 530082 **origin:** Puerto Rico. **other id:** TEX 1354. **source:** Texas Race Collection. **locality:** La Pica. **remarks:** WILSON. Wild. Seed.
- PI 530083 **origin:** Puerto Rico. **other id:** TEX 1355. **source:** Texas Race Collection. **locality:** La Pica. **remarks:** WILSON. Wild. Seed.
- PI 530084 **origin:** Puerto Rico. **other id:** TEX 1356. **source:** Texas Race Collection. **locality:** Mayaguez. **latitude:** 18 deg. 13 min. N. **longitude:** 67 deg. 09 min. W. **remarks:** WILSON G BARB?. Wild. Seed.
- PI 530085 **origin:** Puerto Rico. **other id:** TEX 1357. **source:** Texas Race Collection. **locality:** Mayaguez. **latitude:** 18 deg. 13 min. N. **longitude:** 67 deg. 09 min. W. **remarks:** WILSON. Wild. Seed.
- PI 530086 **origin:** Puerto Rico. **other id:** TEX 1358. **source:** Texas Race Collection. **locality:** Mayaguez. **latitude:** 18 deg. 13 min. N. **longitude:** 67 deg. 09 min. W. **remarks:** WILSON. Wild. Seed.
- PI 530087 **origin:** Puerto Rico. **other id:** TEX 1359. **source:** Texas Race Collection. **locality:** Mayaguez. **latitude:** 18 deg. 13 min. N. **longitude:** 67 deg. 09 min. W. **remarks:** WILSON. Wild. Seed.

PI 529807 to 530706-continued

- PI 530088 **origin:** Puerto Rico. **other id:** TEX 1360. **source:** Texas Race Collection. **locality:** Mayaguez. **latitude:** 18 deg. 13 min. N. **longitude:** 67 deg. 09 min. W. **remarks:** WILSON. Wild. Seed.
- PI 530089 **origin:** Puerto Rico. **other id:** TEX 1361. **source:** Texas Race Collection. **locality:** Mayaguez. **latitude:** 18 deg. 13 min. N. **longitude:** 67 deg. 09 min. W. **remarks:** WILSON. Wild. Seed.
- PI 530090 **origin:** Puerto Rico. **other id:** TEX 1362. **source:** Texas Race Collection. **locality:** Mayaguez. **latitude:** 18 deg. 13 min. N. **longitude:** 67 deg. 09 min. W. **remarks:** WILSON. Wild. Seed.
- PI 530091 **origin:** Puerto Rico. **other id:** TEX 1363. **source:** Texas Race Collection. **locality:** Mayaguez. **latitude:** 18 deg. 13 min. N. **longitude:** 67 deg. 09 min. W. **remarks:** WILSON. Wild. Seed.
- PI 530092 **origin:** Mexico. **other id:** TEX 1364. **source:** Texas Race Collection. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 530093 **origin:** Mexico. **other id:** TEX 1365. **source:** Texas Race Collection. **locality:** Tancolol. **remarks:** LUKEFAHR 1976. Wild. Seed.
- PI 530094 **origin:** Mexico. **other id:** TEX 1366. **source:** Texas Race Collection. **locality:** Kuelhabitadz. **remarks:** LUKEFAHR 1976. Wild. Seed.
- PI 530095 **origin:** Virgin Islands, British. **other id:** TEX 1367. **source:** Texas Race Collection. **locality:** Road Town. **latitude:** 18 deg. 28 min. N. **longitude:** 64 deg. 40 min. W. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 530096 **origin:** Virgin Islands, British. **other id:** TEX 1368. **source:** Texas Race Collection. **locality:** Road Town. **latitude:** 18 deg. 28 min. N. **longitude:** 64 deg. 40 min. W. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 530097 **origin:** Virgin Islands, British. **other id:** TEX 1369. **source:** Texas Race Collection. **locality:** Road Town. **latitude:** 18 deg. 28 min. N. **longitude:** 64 deg. 40 min. W. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 530098 **origin:** Virgin Islands, British. **other id:** TEX 1370. **source:** Texas Race Collection. **locality:** Road Town. **latitude:** 18 deg. 28 min. N. **longitude:** 64 deg. 40 min. W. **remarks:** LUKEFAHR COLL. Wild. Seed.

PI 529807 to 530706-continued

- PI 530099 **origin:** Virgin Islands, British. **other id:** TEX 1371. **source:** Texas Race Collection. **latitude:** 18 deg. 30 min. N. **longitude:** 64 deg. 26 min. W. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 530100 **origin:** United Kingdom. **other id:** TEX 1372. **source:** Texas Race Collection. **locality:** Basseterre. **latitude:** 17 deg. 17 min. N. **longitude:** 62 deg. 43 min. W. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 530101 **origin:** United Kingdom. **other id:** TEX 1373. **source:** Texas Race Collection. **locality:** Basseterre. **latitude:** 17 deg. 17 min. N. **longitude:** 62 deg. 43 min. W. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 530102 **origin:** Dominican Republic. **other id:** TEX 1374. **source:** Texas Race Collection. **locality:** Roseau. **latitude:** 15 deg. 18 min. N. **longitude:** 61 deg. 23 min. W. **remarks:** LUKEFAHR COLL. Wild. Seed.
- PI 530103 **origin:** Nicaragua. **other id:** TEX 1376. **source:** Texas Race Collection. **locality:** Teustepe. **latitude:** 12 deg. 21 min. N. **longitude:** 85 deg. 51 min. W. **remarks:** WINTERS & CLARK. Wild. Seed.
- PI 530104 **origin:** Mexico. **other id:** TEX 1377. **source:** Texas Race Collection. **locality:** Concepcion. **remarks:** LUKEFAHR 1978. Wild. Seed.
- PI 530105 **origin:** Mexico. **other id:** TEX 1378. **source:** Texas Race Collection. **locality:** Concepcion. **remarks:** LUKEFAHR 1978. Wild. Seed.
- PI 530106 **origin:** Mexico. **other id:** TEX 1379. **source:** Texas Race Collection. **locality:** Concepcion. **remarks:** LUKEFAHR 1978. Wild. Seed.
- PI 530107 **origin:** Mexico. **other id:** TEX 1380. **source:** Texas Race Collection. **locality:** Concepcion. **remarks:** LUKEFAHR 1978. Wild. Seed.
- PI 530108 **origin:** Mexico. **other id:** TEX 1381. **source:** Texas Race Collection. **locality:** Concepcion. **remarks:** LUKEFAHR 1978. Wild. Seed.
- PI 530109 **origin:** Mexico. **other id:** TEX 1382. **source:** Texas Race Collection. **locality:** Tomaton. **remarks:** LUKEFAHR 1978. Wild. Seed.
- PI 530110 **origin:** Brazil. **other id:** TEX 1419. **source:** Texas Race Collection. **locality:** Ibipitanga. **remarks:** LUKEFAHR 1982. Wild. Seed.

PI 529807 to 530706-continued

- PI 530111 **origin:** Brazil. **other id:** TEX 1420. **source:** Texas Race Collection. **locality:** Ibipitanga. **remarks:** LUKEFAHR 1982. Wild. Seed.
- PI 530112 **origin:** Brazil. **other id:** TEX 1421. **source:** Texas Race Collection. **locality:** Ibipitanga. **remarks:** LUKEFAHR 1982. Wild. Seed.
- PI 530113 **origin:** Brazil. **other id:** TEX 1422. **source:** Texas Race Collection. **locality:** Ibipitanga. **remarks:** LUKEFAHR 1982. Wild. Seed.
- PI 530114 **origin:** Brazil. **other id:** TEX 1423. **source:** Texas Race Collection. **locality:** Taguaritinga. **latitude:** 21 deg. 23 min. S. **longitude:** 48 deg. 33 min. W. **remarks:** LUKEFAHR 1982. Wild. Seed.
- PI 530115 **origin:** Nigeria. **other id:** TEX 1424. **source:** Texas Race Collection. **locality:** Ziare. Wild. Seed.
- PI 530116 **origin:** Bulgaria. **other id:** TEX 1425. **source:** Texas Race Collection. Wild. Seed.
- PI 530117 **origin:** Mexico. **other id:** TEX 1426. **source:** Texas Race Collection. **locality:** Cancun. **remarks:** KOCH S D 1982. Wild. Seed.
- PI 530118 **origin:** Mexico. **other id:** TEX 1427. **source:** Texas Race Collection. **locality:** Zihuatanejo. **latitude:** 17 deg. 39 min. N. **longitude:** 10 deg. .3 min. W. **remarks:** KRAMER J D 1982. Wild. Seed.
- PI 530119 **origin:** Trinidad and Tobago. **other id:** TEX 1428. **source:** Texas Race Collection. **latitude:** 10 deg. 41 min. N. **longitude:** 61 deg. 45 min. W. **remarks:** KALLOO M B 1963. Wild. Seed.
- PI 530120 **origin:** Mexico. **other id:** TEX 1431. **source:** Texas Race Collection. **locality:** Ejido Nuevo. **remarks:** LUKEFAHR M J 1974. Wild. Seed.
- PI 530121 **origin:** Mexico. **other id:** TEX 1432. **source:** Texas Race Collection. **locality:** Paso De Ovejas. **remarks:** VENTURA F 1975. Wild. Seed.
- PI 530122 **origin:** Netherlands Antilles. **other id:** TEX 1433. **source:** Texas Race Collection. **locality:** Aruba Is. **latitude:** 12 deg. 30 min. N. **longitude:** 70 deg. 00 min. W. **remarks:** HARRIMAN N A 1977. Wild. Seed.

PI 529807 to 530706-continued

- PI 530123 **origin:** Brazil. **other id:** TEX 1434. **source:** Texas Race Collection. **locality:** Elheus. **remarks:** LUKEFAHR M J 1978. Wild. Seed.
- PI 530124 **origin:** Mexico. **other id:** TEX 1438. **source:** Texas Race Collection. **locality:** Yantepec. **latitude:** 18 deg. 52 min. N. **longitude:** 99 deg. 04 min. W. **remarks:** FRYXELL P A 1978. Wild. Seed.
- PI 530125 **origin:** Mexico. **other id:** TEX 1445. **source:** Texas Race Collection. **locality:** Tanchanhuil. **remarks:** ALCORN J B 1979. Wild. Seed.
- PI 530126 **origin:** Mexico. **other id:** TEX 1446. **source:** Texas Race Collection. **locality:** Tanjasnec. **remarks:** ALCORN J B 1980. Wild. Seed.
- PI 530127 **origin:** Mexico. **other id:** TEX 1447. **source:** Texas Race Collection. **locality:** Tanjasnec. **remarks:** ALCORN J B 1980. Wild. Seed.
- PI 530128 **origin:** Mexico. **other id:** TEX 1448. **source:** Texas Race Collection. **locality:** Tanjasnec. **remarks:** ALCORN J B 1980. Wild. Seed.
- PI 530129 **origin:** Mexico. **other id:** TEX 1449. **source:** Texas Race Collection. **locality:** Lejem. **remarks:** ALCORN J B 1980. Wild. Seed.
- PI 530130 **origin:** Mexico. **other id:** TEX 1450. **source:** Texas Race Collection. **locality:** Tokoy. **remarks:** ALCORN J B 1980. Wild. Seed.
- PI 530131 **origin:** Mexico. **other id:** TEX 1451. **source:** Texas Race Collection. **locality:** Tokoy. **remarks:** ALCORN J B 1980. Wild. Seed.
- PI 530132 **origin:** Mexico. **other id:** TEX 1452. **source:** Texas Race Collection. **locality:** Tanjasnec. **remarks:** ALCORN J B 1980. Wild. Seed.
- PI 530133 **origin:** Mexico. **other id:** TEX 1453. **source:** Texas Race Collection. **locality:** Tanjasnec. **remarks:** ALCORN J B 1980. Wild. Seed.
- PI 530134 **origin:** Mexico. **other id:** TEX 1454. **source:** Texas Race Collection. **locality:** Tanjasec. **remarks:** ALCORN J B 1980. Wild. Seed.
- PI 530135 **origin:** Mexico. **other id:** TEX 1455. **source:** Texas Race Collection. **locality:** Isla Del Caballo. **remarks:** LUKEFAHR 1982. Wild. Seed.

PI 529807 to 530706-continued

- PI 530136 **origin:** Mexico. **other id:** TEX 1456. **source:** Texas Race Collection. **locality:** San Felipe. **remarks:** BAUMEL J 1982. Wild. Seed.
- PI 530137 **origin:** Mexico. **other id:** TEX 1457. **source:** Texas Race Collection. **locality:** Isla De Los Pos. **latitude:** 24 deg. 07 min. N. **longitude:** 98 deg. 45 min. W. **remarks:** CROSS W H 1982. Wild. Seed.
- PI 530138 **origin:** Mexico. **other id:** TEX 1458. **source:** Texas Race Collection. **locality:** Punta Estevillos. **latitude:** 23 deg. 42 min. N. **longitude:** 97 deg. 46 min. W. **remarks:** CROSS W H 1982. Wild. Seed.
- PI 530139 **origin:** Mexico. **other id:** TEX 1459. **source:** Texas Race Collection. **locality:** Tepehuajc. **latitude:** 23 deg. 38 min. N. **longitude:** 97 deg. 45 min. W. **remarks:** CROSS W H 1982. Wild. Seed.
- PI 530140 **origin:** Mexico. **other id:** TEX 1460. **source:** Texas Race Collection. **locality:** La Pesca. **latitude:** 23 deg. 46 min. N. **longitude:** 97 deg. 47 min. W. **remarks:** CROSS W H 1982. Wild. Seed.
- PI 530141 **origin:** Mali. **other id:** TEX 1461. **source:** Texas Race Collection. **remarks:** SCHEURING J F 1982. Wild. Seed.
- PI 530142 **origin:** Mali. **other id:** TEX 1462. **source:** Texas Race Collection. **remarks:** SCHEURING J F 1982. Wild. Seed.
- PI 530143 **origin:** Mali. **other id:** TEX 1463. **source:** Texas Race Collection. **remarks:** SCHEURING J F 1982. Wild. Seed.
- PI 530144 **origin:** United States. **other id:** TEX 1464. **source:** Texas Race Collection. **locality:** Mount Pleasant. **latitude:** 33 deg. 10 min. N. **longitude:** 94 deg. 59 min. W. **remarks:** 1982. Wild. Seed.
- PI 530145 **origin:** Jamaica. **other id:** TEX 1465. **source:** Texas Race Collection. **locality:** Jackson Bay. **remarks:** J.A.LEE 1983. Wild. Seed.
- PI 530146 **origin:** French West Indies. **other id:** TEX 1467. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** PERCIVAL 1983. Wild. Seed.
- PI 530147 **origin:** French West Indies. **other id:** TEX 1468. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** PERCIVAL 1983. Wild. Seed.

PI 529807 to 530706-continued

- PI 530148 **origin:** French West Indies. **other id:** TEX 1469. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** PERCIVAL 1983. Wild. Seed.
- PI 530149 **origin:** French West Indies. **other id:** TEX 1470. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** PERCIVAL 1983. Wild. Seed.
- PI 530150 **origin:** Mexico. **other id:** TEX 1471. **source:** Texas Race Collection. **locality:** Manzanillo. **latitude:** 19 deg. 00 min. N. **longitude:** 104 deg. 20 min. W. **remarks:** PERCIVAL 1984. Wild. Seed.
- PI 530151 **origin:** Mexico. **other id:** TEX 1472. **source:** Texas Race Collection. **locality:** Manzanillo. **latitude:** 19 deg. 00 min. N. **longitude:** 104 deg. 20 min. W. **remarks:** PERCIVAL 1984. Wild. Seed.
- PI 530152 **origin:** Mexico. **other id:** TEX 1473. **source:** Texas Race Collection. **locality:** Manzanillo. **latitude:** 19 deg. 00 min. N. **longitude:** 104 deg. 20 min. W. **remarks:** PERCIVAL 1984. Wild. Seed.
- PI 530153 **origin:** Mexico. **other id:** TEX 1474. **source:** Texas Race Collection. **locality:** Manzanillo. **latitude:** 19 deg. 00 min. N. **longitude:** 104 deg. 20 min. W. **remarks:** PERCIVAL 1984. Wild. Seed.
- PI 530154 **origin:** Mexico. **other id:** TEX 1475. **source:** Texas Race Collection. **locality:** Manzanillo. **latitude:** 19 deg. 00 min. N. **longitude:** 104 deg. 20 min. W. **remarks:** PERCIVAL 1984. Wild. Seed.
- PI 530155 **origin:** Mexico. **other id:** TEX 1476. **source:** Texas Race Collection. **locality:** Manzanillo. **latitude:** 19 deg. 00 min. N. **longitude:** 104 deg. 20 min. W. **remarks:** PERCIVAL 1984. Wild. Seed.
- PI 530156 **origin:** United States. **other id:** TEX 1525. **source:** Texas Race Collection. **remarks:** P.A.FRYXELL. Wild. Seed.
- PI 530157 **origin:** Mexico. **other id:** TEX 1526. **source:** Texas Race Collection. **locality:** Gonzales. **latitude:** 22 deg. 50 min. N. **longitude:** 98 deg. 25 min. W. Wild. Seed.
- PI 530158 **origin:** Mexico. **other id:** TEX 1527. **source:** Texas Race Collection. **locality:** Socorro Island. Wild. Seed.
- PI 530159 **origin:** Mexico. **other id:** TEX 1528. **source:** Texas Race Collection. **locality:** Playa Azul. **remarks:** 1985. Wild. Seed.



PI 529807 to 530706-continued

- PI 530160 **origin:** Mexico. **other id:** TEX 1529. **source:** Texas Race Collection. **locality:** El Papayo. **remarks:** 1985. Wild. Seed.
- PI 530161 **origin:** Mexico. **other id:** TEX 1530. **source:** Texas Race Collection. **locality:** Puerto De Arenas. **remarks:** 1985. Wild. Seed.
- PI 530162 **origin:** Mexico. **other id:** TEX 1531. **source:** Texas Race Collection. **locality:** San Bartolo. Wild. Seed.
- PI 530163 **origin:** Mexico. **other id:** TEX 1532. **source:** Texas Race Collection. **locality:** San Bartolo. Wild. Seed.
- PI 530164 **origin:** French West Indies. **other id:** TEX 1533. **source:** Texas Race Collection. **locality:** Riviere Salee. **latitude:** 14 deg. 32 min. N. **longitude:** 60 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530165 **origin:** French West Indies. **other id:** TEX 1534. **source:** Texas Race Collection. **locality:** Riviere Salee. **latitude:** 14 deg. 32 min. N. **longitude:** 60 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530166 **origin:** French West Indies. **other id:** TEX 1535. **source:** Texas Race Collection. **locality:** Diamant. **latitude:** 14 deg. 29 min. N. **longitude:** 61 deg. 02 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530167 **origin:** French West Indies. **other id:** TEX 1536. **source:** Texas Race Collection. **locality:** Grand Anse. **latitude:** 16 deg. 17 min. N. **longitude:** 61 deg. 04 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530168 **origin:** French West Indies. **other id:** TEX 1537. **source:** Texas Race Collection. **locality:** Grand Anse. **latitude:** 16 deg. 17 min. N. **longitude:** 61 deg. 04 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530169 **origin:** French West Indies. **other id:** TEX 1538. **source:** Texas Race Collection. **locality:** Trois-ilets. **latitude:** 14 deg. 32 min. N. **longitude:** 61 deg. 02 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530170 **origin:** French West Indies. **other id:** TEX 1539. **source:** Texas Race Collection. **locality:** Francois. **latitude:** 14 deg. 36 min. N. **longitude:** 60 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530171 **origin:** French West Indies. **other id:** TEX 1540. **source:** Texas Race Collection. **locality:** Francois. **latitude:** 14 deg. 36 min. N. **longitude:** 60 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530172 **origin:** French West Indies. **other id:** TEX 1541. **source:** Texas Race Collection. **locality:** Marin. **latitude:** 14 deg. 28 min. N. **longitude:** 60 deg. 53 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530173 **origin:** French West Indies. **other id:** TEX 1542. **source:** Texas Race Collection. **locality:** Marin. **latitude:** 14 deg. 28 min. N. **longitude:** 60 deg. 53 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530174 **origin:** French West Indies. **other id:** TEX 1543. **source:** Texas Race Collection. **locality:** Tartane. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530175 **origin:** French West Indies. **other id:** TEX 1544. **source:** Texas Race Collection. **locality:** Tartane. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530176 **origin:** French West Indies. **other id:** TEX 1545. **source:** Texas Race Collection. **locality:** Carbet. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530177 **origin:** French West Indies. **other id:** TEX 1546. **source:** Texas Race Collection. **locality:** Case-pilote. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530178 **origin:** French West Indies. **other id:** TEX 1547. **source:** Texas Race Collection. **locality:** St. Luce. **latitude:** 14 deg. 28 min. N. **longitude:** 60 deg. 56 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530179 **origin:** French West Indies. **other id:** TEX 1548. **source:** Texas Race Collection. **locality:** Fond Camille. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530180 **origin:** French West Indies. **other id:** TEX 1549. **source:** Texas Race Collection. **locality:** Diamant. **latitude:** 14 deg. 29 min. N. **longitude:** 61 deg. 02 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530181 **origin:** Dominica. **other id:** TEX 1550. **source:** Texas Race Collection. **locality:** Soufriere. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530182 **origin:** Dominica. **other id:** TEX 1551. **source:** Texas Race Collection. **locality:** Massacre. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530183 **origin:** Dominica. **other id:** TEX 1552. **source:** Texas Race Collection. **locality:** Mahaut. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530184 **origin:** Dominica. **other id:** TEX 1553. **source:** Texas Race Collection. **locality:** Tarou. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530185 **origin:** Dominica. **other id:** TEX 1554. **source:** Texas Race Collection. **locality:** Morne Raquette. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530186 **origin:** Dominica. **other id:** TEX 1555. **source:** Texas Race Collection. **locality:** Colihaut. **latitude:** 15 deg. 29 min. N. **longitude:** 61 deg. 28 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530187 **origin:** Dominica. **other id:** TEX 1556. **source:** Texas Race Collection. **locality:** Cailbishie. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530188 **origin:** French West Indies. **other id:** TEX 1557. **source:** Texas Race Collection. **locality:** Lorient. **latitude:** 17 deg. 52 min. N. **longitude:** 62 deg. 48 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530189 **origin:** French West Indies. **other id:** TEX 1558. **source:** Texas Race Collection. **locality:** Lorient. **latitude:** 17 deg. 52 min. N. **longitude:** 62 deg. 48 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530190 **origin:** French West Indies. **other id:** TEX 1559. **source:** Texas Race Collection. **locality:** Pt. Milou. **latitude:** 17 deg. 55 min. N. **longitude:** 62 deg. 50 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530191 **origin:** French West Indies. **other id:** TEX 1560. **source:** Texas Race Collection. **locality:** Vivet. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530192 **origin:** French West Indies. **other id:** TEX 1561. **source:** Texas Race Collection. **locality:** Vivet. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530193 **origin:** French West Indies. **other id:** TEX 1562. **source:** Texas Race Collection. **locality:** Pt. Toiny. **latitude:** 17 deg. 50 min. N. **longitude:** 62 deg. 45 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530194 **origin:** French West Indies. **other id:** TEX 1563. **source:** Texas Race Collection. **locality:** Anse De Cayes. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530195 **origin:** French West Indies. **other id:** TEX 1564. **source:** Texas Race Collection. **locality:** Anse Des Flamands. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530196 **origin:** French West Indies. **other id:** TEX 1565. **source:** Texas Race Collection. **locality:** Corossol. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530197 **origin:** French West Indies. **other id:** TEX 1566. **source:** Texas Race Collection. **locality:** Lurin. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530198 **origin:** French West Indies. **other id:** TEX 1567. **source:** Texas Race Collection. **locality:** Gustavia. **latitude:** 17 deg. 50 min. N. **longitude:** 62 deg. 52 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530199 **origin:** French West Indies. **other id:** TEX 1568. **source:** Texas Race Collection. **locality:** Marigot. **latitude:** 18 deg. 05 min. N. **longitude:** 63 deg. 05 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530200 **origin:** French West Indies. **other id:** TEX 1569. **source:** Texas Race Collection. **locality:** Quartier D orleans. **latitude:** 18 deg. 04 min. N. **longitude:** 63 deg. 03 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530201 **origin:** French West Indies. **other id:** TEX 1570. **source:** Texas Race Collection. **locality:** Cul De Sac. **latitude:** 18 deg. 06 min. N. **longitude:** 63 deg. 03 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530202 **origin:** French West Indies. **other id:** TEX 1571. **source:** Texas Race Collection. **locality:** Grande Case. **latitude:** 18 deg. 06 min. N. **longitude:** 63 deg. 04 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530203 **origin:** Dominican Republic. **other id:** TEX 1572. **source:** Texas Race Collection. **locality:** Azua. **latitude:** 15 deg. 29 min. N. **longitude:** 70 deg. 44 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530204 **origin:** Dominican Republic. **other id:** TEX 1573. **source:** Texas Race Collection. **locality:** Los Bancos. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530205 **origin:** Dominican Republic. **other id:** TEX 1574. **source:** Texas Race Collection. **locality:** La Vega. **latitude:** 19 deg. 15 min. N. **longitude:** 70 deg. 33 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530206 **origin:** Dominican Republic. **other id:** TEX 1575. **source:** Texas Race Collection. **locality:** Moca. **latitude:** 19 deg. 26 min. N. **longitude:** 70 deg. 33 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530207 **origin:** Dominican Republic. **other id:** TEX 1576. **source:** Texas Race Collection. **locality:** Santiago. **latitude:** 19 deg. 30 min. N. **longitude:** 70 deg. 42 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530208 **origin:** Dominican Republic. **other id:** TEX 1577. **source:** Texas Race Collection. **locality:** Santiago. **latitude:** 19 deg. 30 min. N. **longitude:** 70 deg. 42 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530209 **origin:** Dominican Republic. **other id:** TEX 1578. **source:** Texas Race Collection. **locality:** San Pedro De Macoris. **latitude:** 18 deg. 30 min. N. **longitude:** 69 deg. 18 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530210 **origin:** Dominican Republic. **other id:** TEX 1579. **source:** Texas Race Collection. **locality:** Boca Chica. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530211 **origin:** Dominican Republic. **other id:** TEX 1580. **source:** Texas Race Collection. **locality:** Boca Chica. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530212 **origin:** Haiti. **other id:** TEX 1581. **source:** Texas Race Collection. **locality:** Dufort. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530213 **origin:** Haiti. **other id:** TEX 1582. **source:** Texas Race Collection. **locality:** Dufort. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530214 **origin:** Haiti. **other id:** TEX 1583. **source:** Texas Race Collection. **locality:** Dufort. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530215 **origin:** Haiti. **other id:** TEX 1584. **source:** Texas Race Collection. **locality:** Jacmel. **latitude:** 18 deg. 18 min. N. **longitude:** 72 deg. 32 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530216 **origin:** Haiti. **other id:** TEX 1585. **source:** Texas Race Collection. **locality:** Jacmel. **latitude:** 18 deg. 18 min. N. **longitude:** 72 deg. 32 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530217 **origin:** Haiti. **other id:** TEX 1586. **source:** Texas Race Collection. **locality:** Jacmel. **latitude:** 18 deg. 18 min. N. **longitude:** 72 deg. 32 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530218 **origin:** Haiti. **other id:** TEX 1587. **source:** Texas Race Collection. **locality:** Jacmel. **latitude:** 18 deg. 18 min. N. **longitude:** 72 deg. 32 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530219 **origin:** Haiti. **other id:** TEX 1588. **source:** Texas Race Collection. **locality:** Jacmel. **latitude:** 18 deg. 18 min. N. **longitude:** 72 deg. 32 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530220 **origin:** Haiti. **other id:** TEX 1589. **source:** Texas Race Collection. **locality:** Petit-goave. **latitude:** 18 deg. 27 min. N. **longitude:** 72 deg. 51 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530221 **origin:** Haiti. **other id:** TEX 1590. **source:** Texas Race Collection. **locality:** Violet. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530222 **origin:** Haiti. **other id:** TEX 1591. **source:** Texas Race Collection. **locality:** Violet. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530223 **origin:** Haiti. **other id:** TEX 1592. **source:** Texas Race Collection. **locality:** Aquin. **latitude:** 18 deg. 29 min. N. **longitude:** 73 deg. 23 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530224 **origin:** Haiti. **other id:** TEX 1593. **source:** Texas Race Collection. **locality:** St. Louis Du Sud. **latitude:** 18 deg. 19 min. N. **longitude:** 73 deg. 34 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530225 **origin:** Haiti. **other id:** TEX 1594. **source:** Texas Race Collection. **locality:** St. Louis Du Sud. **latitude:** 18 deg. 19 min. N. **longitude:** 73 deg. 34 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530226 **origin:** Haiti. **other id:** TEX 1595. **source:** Texas Race Collection. **locality:** Mirebalais. **latitude:** 18 deg. 51 min. N. **longitude:** 72 deg. 08 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530227 **origin:** Haiti. **other id:** TEX 1596. **source:** Texas Race Collection. **locality:** Mirebalais. **latitude:** 18 deg. 51 min. N. **longitude:** 72 deg. 08 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530228 origin: Haiti. other id: TEX 1597. source: Texas Race Collection. locality: Dufailly. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530229 origin: Haiti. other id: TEX 1598. source: Texas Race Collection. locality: Thomonde. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530230 origin: Haiti. other id: TEX 1599. source: Texas Race Collection. locality: Pierre-payen. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530231 origin: Haiti. other id: TEX 1600. source: Texas Race Collection. locality: Pierre-payen. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530232 origin: Haiti. other id: TEX 1601. source: Texas Race Collection. locality: Bedoue. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530233 origin: Haiti. other id: TEX 1602. source: Texas Race Collection. locality: Pignon. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530234 origin: French West Indies. other id: TEX 1603. source: Texas Race Collection. locality: Terre-de-bas. latitude: 15 deg. 51 min. N. longitude: 61 deg. 38 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530235 origin: French West Indies. other id: TEX 1604. source: Texas Race Collection. locality: Terre-de-bas. latitude: 15 deg. 51 min. N. longitude: 61 deg. 38 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530236 origin: French West Indies. other id: TEX 1605. source: Texas Race Collection. locality: St. Francois. latitude: 16 deg. 15 min. N. longitude: 61 deg. 17 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530237 origin: French West Indies. other id: TEX 1606. source: Texas Race Collection. locality: St. Francois. latitude: 16 deg. 15 min. N. longitude: 61 deg. 17 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530238 origin: French West Indies. other id: TEX 1607. source: Texas Race Collection. locality: St. Francois. latitude: 16 deg. 15 min. N. longitude: 61 deg. 17 min. W. remarks: IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530239 **origin:** French West Indies. **other id:** TEX 1608. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530240 **origin:** French West Indies. **other id:** TEX 1609. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530241 **origin:** French West Indies. **other id:** TEX 1610. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530242 **origin:** French West Indies. **other id:** TEX 1611. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530243 **origin:** French West Indies. **other id:** TEX 1612. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530244 **origin:** French West Indies. **other id:** TEX 1613. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530245 **origin:** French West Indies. **other id:** TEX 1614. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530246 **origin:** French West Indies. **other id:** TEX 1615. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530247 **origin:** French West Indies. **other id:** TEX 1616. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530248 **origin:** French West Indies. **other id:** TEX 1617. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.



PI 529807 to 530706-continued

- PI 530249 **origin:** French West Indies. **other id:** TEX 1618. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530250 **origin:** French West Indies. **other id:** TEX 1619. **source:** Texas Race Collection. **locality:** Point Noire. **latitude:** 16 deg. 14 min. N. **longitude:** 61 deg. 47 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530251 **origin:** French West Indies. **other id:** TEX 1620. **source:** Texas Race Collection. **locality:** Sainte Anne. **latitude:** 16 deg. 13 min. N. **longitude:** 61 deg. 23 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530252 **origin:** French West Indies. **other id:** TEX 1621. **source:** Texas Race Collection. **locality:** Gosier. **latitude:** 16 deg. 12 min. N. **longitude:** 61 deg. 30 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530253 **origin:** French West Indies. **other id:** TEX 1622. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530254 **origin:** French West Indies. **other id:** TEX 1623. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530255 **origin:** French West Indies. **other id:** TEX 1624. **source:** Texas Race Collection. **locality:** Pigeon. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530256 **origin:** French West Indies. **other id:** TEX 1625. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530257 **origin:** French West Indies. **other id:** TEX 1626. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530258 **origin:** French West Indies. **other id:** TEX 1627. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530259 **origin:** French West Indies. **other id:** TEX 1628. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530260 origin: French West Indies. other id: TEX 1629. source: Texas Race Collection. locality: Pointe Des Chateaux. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530261 origin: French West Indies. other id: TEX 1630. source: Texas Race Collection. locality: Pointe Des Chateaux. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530262 origin: St Lucia. other id: TEX 1631. source: Texas Race Collection. locality: Gros Islet. latitude: 14 deg. 06 min. N. longitude: 60 deg. 59 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530263 origin: St Lucia. other id: TEX 1632. source: Texas Race Collection. locality: Castries. latitude: 14 deg. 01 min. N. longitude: 60 deg. 59 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530264 origin: St Lucia. other id: TEX 1633. source: Texas Race Collection. locality: Gros Islet. latitude: 14 deg. 06 min. N. longitude: 60 deg. 59 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530265 origin: St Lucia. other id: TEX 1634. source: Texas Race Collection. locality: Gros Islet. latitude: 14 deg. 06 min. N. longitude: 60 deg. 59 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530266 origin: Barbados. other id: TEX 1635. source: Texas Race Collection. locality: Mullins Bay. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530267 origin: Barbados. other id: TEX 1636. source: Texas Race Collection. locality: Church. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530268 origin: French Guiana. other id: TEX 1637. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530269 origin: French Guiana. other id: TEX 1638. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530270 origin: French West Indies. other id: TEX 1639. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530271 origin: French West Indies. other id: TEX 1640. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530272 origin: French West Indies. other id: TEX 1641. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530273 origin: French West Indies. other id: TEX 1642. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530274 origin: French West Indies. other id: TEX 1643. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530275 origin: French West Indies. other id: TEX 1644. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530276 origin: French West Indies. other id: TEX 1645. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530277 origin: French West Indies. other id: TEX 1646. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530278 origin: French West Indies. other id: TEX 1647. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530279 origin: French West Indies. other id: TEX 1648. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530280 origin: French West Indies. other id: TEX 1649. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530281 origin: French West Indies. other id: TEX 1650. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530282 origin: French West Indies. other id: TEX 1651. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530283 origin: French West Indies. other id: TEX 1652. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530284 origin: French West Indies. other id: TEX 1653. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530285 **origin:** French West Indies. **other id:** TEX 1654. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530286 **origin:** French West Indies. **other id:** TEX 1655. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530287 **origin:** French West Indies. **other id:** TEX 1656. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530288 **origin:** Venezuela. **other id:** TEX 1657. **source:** Texas Race Collection. **locality:** Catia La Mar. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530289 **origin:** Venezuela. **other id:** TEX 1658. **source:** Texas Race Collection. **locality:** La Victoria. **latitude:** 10 deg. 16 min. N. **longitude:** 67 deg. 21 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530290 **origin:** Venezuela. **other id:** TEX 1659. **source:** Texas Race Collection. **locality:** La Victoria. **latitude:** 10 deg. 16 min. N. **longitude:** 67 deg. 21 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530291 **origin:** Venezuela. **other id:** TEX 1660. **source:** Texas Race Collection. **locality:** La Victoria. **latitude:** 10 deg. 16 min. N. **longitude:** 67 deg. 21 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530292 **origin:** Venezuela. **other id:** TEX 1661. **source:** Texas Race Collection. **locality:** Sante Teresa. **latitude:** 10 deg. 15 min. N. **longitude:** 66 deg. 39 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530293 **origin:** Venezuela. **other id:** TEX 1662. **source:** Texas Race Collection. **locality:** Rio Chico. **latitude:** 10 deg. 22 min. N. **longitude:** 65 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530294 **origin:** Venezuela. **other id:** TEX 1663. **source:** Texas Race Collection. **locality:** Rio Chico. **latitude:** 10 deg. 22 min. N. **longitude:** 65 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530295 **origin:** Venezuela. **other id:** TEX 1664. **source:** Texas Race Collection. **locality:** Rio Chico. **latitude:** 10 deg. 22 min. N. **longitude:** 65 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530296 **origin:** Venezuela. **other id:** TEX 1665. **source:** Texas Race Collection. **locality:** Rio Chico. **latitude:** 10 deg. 22 min. N. **longitude:** 65 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530297 **origin:** Venezuela. **other id:** TEX 1666. **source:** Texas Race Collection. **locality:** Rio Chico. **latitude:** 10 deg. 22 min. N. **longitude:** 65 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530298 **origin:** Venezuela. **other id:** TEX 1667. **source:** Texas Race Collection. **locality:** Rio Chico. **latitude:** 10 deg. 22 min. N. **longitude:** 65 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530299 **origin:** Venezuela. **other id:** TEX 1668. **source:** Texas Race Collection. **locality:** Rio Chico. **latitude:** 10 deg. 22 min. N. **longitude:** 65 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530300 **origin:** Venezuela. **other id:** TEX 1669. **source:** Texas Race Collection. **locality:** Rio Chico. **latitude:** 10 deg. 22 min. N. **longitude:** 65 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530301 **origin:** Venezuela. **other id:** TEX 1670. **source:** Texas Race Collection. **locality:** Cupira. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530302 **origin:** Venezuela. **other id:** TEX 1671. **source:** Texas Race Collection. **locality:** Playa Pintada. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530303 **origin:** Venezuela. **other id:** TEX 1672. **source:** Texas Race Collection. **locality:** Boca Uchire. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530304 **origin:** Venezuela. **other id:** TEX 1673. **source:** Texas Race Collection. **locality:** Puerto La Cruz. **latitude:** 10 deg. 14 min. N. **longitude:** 64 deg. 40 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530305 **origin:** Venezuela. **other id:** TEX 1674. **source:** Texas Race Collection. **locality:** Cuesto Colorado. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530306 **origin:** Venezuela. **other id:** TEX 1675. **source:** Texas Race Collection. **locality:** Sortie. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530307 **origin:** Venezuela. **other id:** TEX 1676. **source:** Texas Race Collection. **locality:** Cariaco. **latitude:** 10 deg. 33 min. N. **longitude:** 63 deg. 37 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530308 **origin:** Venezuela. **other id:** TEX 1677. **source:** Texas Race Collection. **locality:** La Esmeralda. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530309 **origin:** Venezuela. **other id:** TEX 1678. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530310 **origin:** Venezuela. **other id:** TEX 1679. **source:** Texas Race Collection. **locality:** Carupano. **latitude:** 10 deg. 39 min. N. **longitude:** 63 deg. 14 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530311 **origin:** Venezuela. **other id:** TEX 1680. **source:** Texas Race Collection. **locality:** Carupano. **latitude:** 10 deg. 39 min. N. **longitude:** 63 deg. 14 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530312 **origin:** Venezuela. **other id:** TEX 1681. **source:** Texas Race Collection. **locality:** Carupano. **latitude:** 10 deg. 39 min. N. **longitude:** 63 deg. 14 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530313 **origin:** Venezuela. **other id:** TEX 1682. **source:** Texas Race Collection. **locality:** El Pilar. **latitude:** 10 deg. 31 min. N. **longitude:** 63 deg. 12 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530314 **origin:** Venezuela. **other id:** TEX 1683. **source:** Texas Race Collection. **locality:** El Pilar. **latitude:** 10 deg. 31 min. N. **longitude:** 63 deg. 12 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530315 **origin:** Venezuela. **other id:** TEX 1684. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530316 **origin:** Venezuela. **other id:** TEX 1685. **source:** Texas Race Collection. **locality:** Pueblito De Aribo. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530317 **origin:** Venezuela. **other id:** TEX 1686. **source:** Texas Race Collection. **locality:** Upata. **latitude:** 08 deg. 02 min. N. **longitude:** 62 deg. 25 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530318 **origin:** Venezuela. **other id:** TEX 1687. **source:** Texas Race Collection. **locality:** Guri. **latitude:** 07 deg. 38 min. N. **longitude:** 62 deg. 54 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530319 **origin:** Venezuela. **other id:** TEX 1688. **source:** Texas Race Collection. **locality:** El Tigre. **latitude:** 08 deg. 44 min. N. **longitude:** 64 deg. 18 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530320 **origin:** Venezuela. **other id:** TEX 1689. **source:** Texas Race Collection. **locality:** Turen. **latitude:** 09 deg. 16 min. N. **longitude:** 69 deg. 10 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530321 **origin:** Venezuela. **other id:** TEX 1690. **source:** Texas Race Collection. **locality:** Guanare. **latitude:** 09 deg. 04 min. N. **longitude:** 69 deg. 45 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530322 **origin:** Venezuela. **other id:** TEX 1691. **source:** Texas Race Collection. **locality:** Libertad. **latitude:** 08 deg. 21 min. N. **longitude:** 69 deg. 39 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530323 **origin:** Venezuela. **other id:** TEX 1692. **source:** Texas Race Collection. **locality:** Chiguara. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530324 **origin:** Venezuela. **other id:** TEX 1693. **source:** Texas Race Collection. **locality:** El Vigia. **latitude:** 08 deg. 43 min. N. **longitude:** 71 deg. 39 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530325 **origin:** Venezuela. **other id:** TEX 1694. **source:** Texas Race Collection. **locality:** Mene Grande. **latitude:** 09 deg. 51 min. N. **longitude:** 70 deg. 57 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530326 **origin:** Venezuela. **other id:** TEX 1695. **source:** Texas Race Collection. **locality:** Maracaibo. **latitude:** 10 deg. 44 min. N. **longitude:** 71 deg. 37 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530327 **origin:** Venezuela. **other id:** TEX 1696. **source:** Texas Race Collection. **locality:** Maracaibo. **latitude:** 10 deg. 44 min. N. **longitude:** 71 deg. 37 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530328 **origin:** Venezuela. **other id:** TEX 1697. **source:** Texas Race Collection. **locality:** Cataneja. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530329 origin: Venezuela. other id: TEX 1698. source: Texas Race Collection. locality: Buena Vista. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530330 origin: Venezuela. other id: TEX 1699. source: Texas Race Collection. locality: La Vela. latitude: 11 deg. 30 min. N. longitude: 69 deg. 33 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530331 origin: Venezuela. other id: TEX 1700. source: Texas Race Collection. locality: La Vela. latitude: 11 deg. 30 min. N. longitude: 69 deg. 33 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530332 origin: Venezuela. other id: TEX 1701. source: Texas Race Collection. locality: Puerto Cumarebo. latitude: 11 deg. 31 min. N. longitude: 69 deg. 30 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530333 origin: Venezuela. other id: TEX 1702. source: Texas Race Collection. locality: Porlamar Margarita Is. latitude: 11 deg. 01 min. N. longitude: 63 deg. 54 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530334 origin: Venezuela. other id: TEX 1703. source: Texas Race Collection. locality: Manzanillo. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530335 origin: Colombia. other id: TEX 1704. source: Texas Race Collection. locality: Puerto Santo. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530336 origin: Colombia. other id: TEX 1705. source: Texas Race Collection. locality: El Carmen. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530337 origin: Colombia. historical origin: Colombia. other id: TEX 1706. source: Texas Race Collection. locality: Zambrano. latitude: 09 deg. 45 min. N. longitude: 07 deg. 50 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530338 origin: Colombia. other id: TEX 1707. source: Texas Race Collection. locality: Barranquilla. latitude: 11 deg. 00 min. N. longitude: 74 deg. 50 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530339 origin: Colombia. historical origin: Colombia. other id: TEX 1708. source: Texas Race Collection. locality: Cienaga. latitude: 11 deg. 01 min. N. longitude: 74 deg. 15 min. W. remarks: IRCT-UN-FAO. Wild. Seed.



PI 529807 to 530706-continued

- PI 530340 **origin:** Colombia. **other id:** TEX 1709. **source:** Texas Race Collection. **locality:** Gaira. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530341 **origin:** Colombia. **other id:** TEX 1710. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530342 **origin:** Colombia. **other id:** TEX 1711. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530343 **origin:** Colombia. **other id:** TEX 1712. **source:** Texas Race Collection. **locality:** Puerto Lopez. **latitude:** 04 deg. 06 min. N. **longitude:** 72 deg. 57 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530344 **origin:** Colombia. **other id:** TEX 1713. **source:** Texas Race Collection. **locality:** Cucata. **latitude:** 07 deg. 55 min. N. **longitude:** 72 deg. 31 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530345 **origin:** Colombia. **other id:** TEX 1714. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530346 **origin:** Colombia. **other id:** TEX 1715. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530347 **origin:** Colombia. **other id:** TEX 1716. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530348 **origin:** Colombia. **other id:** TEX 1717. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530349 **origin:** Colombia. **other id:** TEX 1718. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530350 **origin:** Colombia. **other id:** TEX 1719. **source:** Texas Race Collection. **locality:** Palmar De Socorro. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530351 **origin:** Colombia. **other id:** TEX 1720. **source:** Texas Race Collection. **locality:** Miraflores. **latitude:** 05 deg. 05 min. N. **longitude:** 73 deg. 11 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530352 **origin:** Colombia. **other id:** TEX 1721. **source:** Texas Race Collection. **locality:** San Andres. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530353 **origin:** French West Indies. **other id:** TEX 1722. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530354 **origin:** French West Indies. **other id:** TEX 1723. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530355 **origin:** French West Indies. **other id:** TEX 1724. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530356 **origin:** French West Indies. **other id:** TEX 1725. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530357 **origin:** French West Indies. **other id:** TEX 1726. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530358 **origin:** French West Indies. **other id:** TEX 1727. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530359 **origin:** French West Indies. **other id:** TEX 1728. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530360 **origin:** French West Indies. **other id:** TEX 1729. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530361 **origin:** French West Indies. **other id:** TEX 1730. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530362 **origin:** French West Indies. **other id:** TEX 1731. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530363 **origin:** French West Indies. **other id:** TEX 1732. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530364 **origin:** French West Indies. **other id:** TEX 1733. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530365 **origin:** French West Indies. **other id:** TEX 1734. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530366 **origin:** French West Indies. **other id:** TEX 1735. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530367 **origin:** French West Indies. **other id:** TEX 1736. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530368 **origin:** French West Indies. **other id:** TEX 1737. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530369 **origin:** French West Indies. **other id:** TEX 1738. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530370 **origin:** French West Indies. **other id:** TEX 1739. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530371 **origin:** French West Indies. **other id:** TEX 1740. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530372 **origin:** French West Indies. **other id:** TEX 1741. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530373 **origin:** French West Indies. **other id:** TEX 1742. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530374 **origin:** United Kingdom. **other id:** TEX 1743. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530375 **origin:** Mexico. **other id:** TEX 1744. **source:** Texas Race Collection. **locality:** Chetumal. **latitude:** 18 deg. 30 min. N. **longitude:** 88 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530376 **origin:** Mexico. **other id:** TEX 1745. **source:** Texas Race Collection. **locality:** Calderitas. **latitude:** 18 deg. 35 min. N. **longitude:** 88 deg. 15 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530377 **origin:** Mexico. **other id:** TEX 1746. **source:** Texas Race Collection. **locality:** Kantanilkin. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530378 **origin:** Mexico. **other id:** TEX 1747. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530379 **origin:** Mexico. **other id:** TEX 1748. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530380 **origin:** Mexico. **other id:** TEX 1749. **source:** Texas Race Collection. **locality:** Muna. **latitude:** 20 deg. 29 min. N. **longitude:** 89 deg. 41 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530381 **origin:** French West Indies. **other id:** TEX 1750. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530382 **origin:** French West Indies. **other id:** TEX 1751. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530383 **origin:** French West Indies. **other id:** TEX 1752. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530384 **origin:** French West Indies. **other id:** TEX 1753. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530385 **origin:** French West Indies. **other id:** TEX 1754. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530386 **origin:** United Kingdom. **other id:** TEX 1755. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530387 **origin:** French West Indies. **other id:** TEX 1756. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530388 **origin:** French West Indies. **other id:** TEX 1757. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530389 **origin:** French West Indies. **other id:** TEX 1758. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530390 **origin:** French West Indies. **other id:** TEX 1759. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530391 **origin:** French West Indies. **other id:** TEX 1760. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530392 **origin:** French West Indies. **other id:** TEX 1761. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530393 origin: French West Indies. other id: TEX 1762. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530394 origin: French West Indies. other id: TEX 1763. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530395 origin: French West Indies. other id: TEX 1764. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530396 origin: French West Indies. other id: TEX 1765. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530397 origin: French West Indies. other id: TEX 1766. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530398 origin: French West Indies. other id: TEX 1767. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530399 origin: French West Indies. other id: TEX 1768. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530400 origin: French West Indies. other id: TEX 1769. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530401 origin: French West Indies. other id: TEX 1770. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530402 origin: French West Indies. other id: TEX 1771. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530403 origin: French West Indies. other id: TEX 1772. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530404 origin: French West Indies. other id: TEX 1773. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530405 origin: French West Indies. other id: TEX 1774. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530406 **origin:** French West Indies. **other id:** TEX 1775. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530407 **origin:** French West Indies. **other id:** TEX 1776. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530408 **origin:** French West Indies. **other id:** TEX 1777. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530409 **origin:** French West Indies. **other id:** TEX 1778. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530410 **origin:** French West Indies. **other id:** TEX 1779. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530411 **origin:** Haiti. **other id:** TEX 1780. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530412 **origin:** French West Indies. **other id:** TEX 1781. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530413 **origin:** French West Indies. **other id:** TEX 1782. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530414 **origin:** French West Indies. **other id:** TEX 1783. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530415 **origin:** French West Indies. **other id:** TEX 1784. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530416 **origin:** French West Indies. **other id:** TEX 1785. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530417 **origin:** French West Indies. **other id:** TEX 1786. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530418 **origin:** French West Indies. **other id:** TEX 1787. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530419 **origin:** French West Indies. **other id:** TEX 1788. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530420 **origin:** French West Indies. **other id:** TEX 1789. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530421 **origin:** French West Indies. **other id:** TEX 1790. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530422 **origin:** French West Indies. **other id:** TEX 1791. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530423 **origin:** French West Indies. **other id:** TEX 1792. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530424 **origin:** French West Indies. **other id:** TEX 1793. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530425 **origin:** French West Indies. **other id:** TEX 1794. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530426 **origin:** French West Indies. **other id:** TEX 1795. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530427 **origin:** French West Indies. **other id:** TEX 1796. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530428 **origin:** French West Indies. **other id:** TEX 1797. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530429 **origin:** French West Indies. **other id:** TEX 1798. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530430 **origin:** French Guiana. **other id:** TEX 1799. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530431 **origin:** French Guiana. **other id:** TEX 1800. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530432 **origin:** French West Indies. **other id:** TEX 1801. **source:** Texas Race Collection. **locality:** Diamant. **latitude:** 14 deg. 29 min. N. **longitude:** 61 deg. 02 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530433 **origin:** French West Indies. **other id:** TEX 1802. **source:** Texas Race Collection. **locality:** Francois. **latitude:** 14 deg. 36 min. N. **longitude:** 60 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530434 **origin:** French West Indies. **other id:** TEX 1803. **source:** Texas Race Collection. **locality:** Tartane. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530435 **origin:** French West Indies. **other id:** TEX 1804. **source:** Texas Race Collection. **locality:** Tartane. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530436 **origin:** French West Indies. **other id:** TEX 1805. **source:** Texas Race Collection. **locality:** St. Luce. **latitude:** 14 deg. 28 min. N. **longitude:** 60 deg. 56 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530437 **origin:** French West Indies. **other id:** TEX 1806. **source:** Texas Race Collection. **locality:** Jacquet. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530438 **origin:** Dominica. **other id:** TEX 1807. **source:** Texas Race Collection. **locality:** Colihaut. **latitude:** 15 deg. 29 min. N. **longitude:** 61 deg. 28 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530439 **origin:** Dominica. **other id:** TEX 1808. **source:** Texas Race Collection. **locality:** Colihaut. **latitude:** 15 deg. 29 min. N. **longitude:** 61 deg. 28 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530440 **origin:** French West Indies. **other id:** TEX 1809. **source:** Texas Race Collection. **locality:** Vivet. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530441 **origin:** French West Indies. **other id:** TEX 1810. **source:** Texas Race Collection. **locality:** Marigot. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530442 **origin:** French West Indies. **other id:** TEX 1811. **source:** Texas Race Collection. **locality:** Petit Cul De Sac. **remarks:** IRCT-UN-FAO. Wild. Seed.



PI 529807 to 530706-continued

- PI 530443 **origin:** French West Indies. **other id:** TEX 1812. **source:** Texas Race Collection. **locality:** Pt. Toiny. **latitude:** 17 deg. 50 min. N. **longitude:** 62 deg. 45 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530444 **origin:** French West Indies. **other id:** TEX 1813. **source:** Texas Race Collection. **locality:** Lurin. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530445 **origin:** Netherlands Antilles. **other id:** TEX 1814. **source:** Texas Race Collection. **locality:** Princess Juliana Airport. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530446 **origin:** Netherlands Antilles. **other id:** TEX 1815. **source:** Texas Race Collection. **locality:** Princess Juliana Airport. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530447 **origin:** Dominican Republic. **other id:** TEX 1816. **source:** Texas Race Collection. **locality:** Bani. **latitude:** 18 deg. 19 min. N. **longitude:** 70 deg. 21 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530448 **origin:** Dominican Republic. **other id:** TEX 1817. **source:** Texas Race Collection. **locality:** Azua. **latitude:** 15 deg. 29 min. N. **longitude:** 70 deg. 44 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530449 **origin:** Dominican Republic. **other id:** TEX 1818. **source:** Texas Race Collection. **locality:** Azua. **latitude:** 15 deg. 29 min. N. **longitude:** 70 deg. 44 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530450 **origin:** Dominican Republic. **other id:** TEX 1819. **source:** Texas Race Collection. **locality:** Azua. **latitude:** 15 deg. 29 min. N. **longitude:** 70 deg. 44 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530451 **origin:** Dominican Republic. **other id:** TEX 1820. **source:** Texas Race Collection. **locality:** Cortes. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530452 **origin:** Dominican Republic. **other id:** TEX 1821. **source:** Texas Race Collection. **locality:** Bastidas. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530453 **origin:** Dominican Republic. **other id:** TEX 1822. **source:** Texas Race Collection. **locality:** Bastidas. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530454 **origin:** Dominican Republic. **other id:** TEX 1823. **source:** Texas Race Collection. **locality:** Bastidas. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530455 **origin:** Dominican Republic. **other id:** TEX 1824. **source:** Texas Race Collection. **locality:** Monte-cristi. **latitude:** 19 deg. 52 min. N. **longitude:** 71 deg. 39 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530456 **origin:** Dominican Republic. **other id:** TEX 1825. **source:** Texas Race Collection. **locality:** La Romana. **latitude:** 18 deg. 27 min. N. **longitude:** 68 deg. 57 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530457 **origin:** Dominican Republic. **other id:** TEX 1826. **source:** Texas Race Collection. **locality:** San Pedro De Macoris. **latitude:** 18 deg. 30 min. N. **longitude:** 69 deg. 18 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530458 **origin:** Dominican Republic. **other id:** TEX 1827. **source:** Texas Race Collection. **locality:** San Pedro De Macoris. **latitude:** 18 deg. 30 min. N. **longitude:** 69 deg. 18 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530459 **origin:** Haiti. **other id:** TEX 1828. **source:** Texas Race Collection. **locality:** Violet. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530460 **origin:** Haiti. **other id:** TEX 1829. **source:** Texas Race Collection. **locality:** Miragoane. **latitude:** 18 deg. 26 min. N. **longitude:** 73 deg. 05 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530461 **origin:** Haiti. **other id:** TEX 1830. **source:** Texas Race Collection. **locality:** Vieux-bourg D aquin. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530462 **origin:** Haiti. **other id:** TEX 1831. **source:** Texas Race Collection. **locality:** Thomonde. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530463 **origin:** Haiti. **other id:** TEX 1832. **source:** Texas Race Collection. **locality:** Dufailly. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530464 **origin:** Haiti. **other id:** TEX 1833. **source:** Texas Race Collection. **locality:** Vignier. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530465 **origin:** Haiti. **other id:** TEX 1834. **source:** Texas Race Collection. **locality:** Cap-hatien. **latitude:** 19 deg. 47 min. N. **longitude:** 72 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530466 origin: Haiti. other id: TEX 1835. source: Texas Race Collection. locality: St. Raphael. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530467 origin: Antigua, British. historical origin: Antigua. other id: TEX 1836. source: Texas Race Collection. locality: Mill Reef. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530468 origin: Antigua, British. historical origin: Antigua. other id: TEX 1837. source: Texas Race Collection. locality: Friars Hill. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530469 origin: St Christopher-Nevis-An. other id: TEX 1838. source: Texas Race Collection. locality: Zetlands. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530470 origin: French West Indies. other id: TEX 1839. source: Texas Race Collection. locality: Grand Anse. latitude: 16 deg. 17 min. N. longitude: 61 deg. 04 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530471 origin: French West Indies. other id: TEX 1840. source: Texas Race Collection. locality: Grand Anse. latitude: 16 deg. 17 min. N. longitude: 61 deg. 04 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530472 origin: French West Indies. other id: TEX 1841. source: Texas Race Collection. locality: Grand Anse. latitude: 16 deg. 17 min. N. longitude: 61 deg. 04 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530473 origin: French West Indies. other id: TEX 1842. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530474 origin: French West Indies. other id: TEX 1843. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530475 origin: French West Indies. other id: TEX 1844. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530476 origin: French West Indies. other id: TEX 1845. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530477 origin: French West Indies. other id: TEX 1846. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530478 **origin:** French West Indies. **other id:** TEX 1847. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530479 **origin:** French West Indies. **other id:** TEX 1848. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530480 **origin:** French West Indies. **other id:** TEX 1849. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530481 **origin:** French West Indies. **other id:** TEX 1850. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530482 **origin:** French West Indies. **other id:** TEX 1851. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530483 **origin:** French West Indies. **other id:** TEX 1852. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530484 **origin:** French West Indies. **other id:** TEX 1853. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530485 **origin:** French West Indies. **other id:** TEX 1854. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530486 **origin:** French West Indies. **other id:** TEX 1855. **source:** Texas Race Collection. **locality:** Sainte Anne. **latitude:** 16 deg. 13 min. N. **longitude:** 61 deg. 23 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530487 **origin:** French West Indies. **other id:** TEX 1856. **source:** Texas Race Collection. **locality:** Point Noire. **latitude:** 16 deg. 14 min. N. **longitude:** 61 deg. 47 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530488 **origin:** French West Indies. **other id:** TEX 1857. **source:** Texas Race Collection. **locality:** Point Noire. **latitude:** 16 deg. 14 min. N. **longitude:** 61 deg. 47 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530489 **origin:** French West Indies. **other id:** TEX 1858. **source:** Texas Race Collection. **locality:** Point Noire. **latitude:** 16 deg. 14 min. N. **longitude:** 61 deg. 47 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530490 **origin:** French West Indies. **other id:** TEX 1859. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530491 **origin:** French West Indies. **other id:** TEX 1860. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530492 **origin:** French West Indies. **other id:** TEX 1861. **source:** Texas Race Collection. **locality:** Pigeon. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530493 **origin:** French West Indies. **other id:** TEX 1862. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530494 **origin:** French West Indies. **other id:** TEX 1863. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530495 **origin:** French West Indies. **other id:** TEX 1864. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530496 **origin:** St Vincent. **other id:** TEX 1865. **source:** Texas Race Collection. **locality:** Barrouallie. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530497 **origin:** St Vincent. **other id:** TEX 1866. **source:** Texas Race Collection. **locality:** Kingstown. **latitude:** 13 deg. 12 min. N. **longitude:** 61 deg. 14 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530498 **origin:** St Lucia. **other id:** TEX 1867. **source:** Texas Race Collection. **locality:** Choc Bay. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530499 **origin:** St Lucia. **other id:** TEX 1868. **source:** Texas Race Collection. **locality:** Choc Bay. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530500 **origin:** St Lucia. **other id:** TEX 1869. **source:** Texas Race Collection. **locality:** Canaries. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530501 **origin:** St Lucia. **other id:** TEX 1870. **source:** Texas Race Collection. **locality:** Canaries. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530502 **origin:** St Lucia. **other id:** TEX 1871. **source:** Texas Race Collection. **locality:** Castries. **latitude:** 14 deg. 01 min. N. **longitude:** 60 deg. 59 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530503 **origin:** St Lucia. **other id:** TEX 1872. **source:** Texas Race Collection. **locality:** Choc Bay. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530504 **origin:** St Lucia. **other id:** TEX 1873. **source:** Texas Race Collection. **locality:** Choc Bay. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530505 **origin:** Barbados. **other id:** TEX 1874. **source:** Texas Race Collection. **locality:** Maycocks Bay. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530506 **origin:** Barbados. **other id:** TEX 1875. **source:** Texas Race Collection. **locality:** Six Mens Bay. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530507 **origin:** Barbados. **other id:** TEX 1876. **source:** Texas Race Collection. **locality:** St. Philip. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530508 **origin:** Barbados. **other id:** TEX 1877. **source:** Texas Race Collection. **locality:** St. Andrew. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530509 **origin:** Barbados. **other id:** TEX 1878. **source:** Texas Race Collection. **locality:** Christ Church Yorkshire. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530510 **origin:** French Guiana. **other id:** TEX 1879. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530511 **origin:** French Guiana. **other id:** TEX 1880. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530512 **origin:** French West Indies. **other id:** TEX 1881. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530513 **origin:** French West Indies. **other id:** TEX 1882. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530514 **origin:** French West Indies. **other id:** TEX 1883. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530515 origin: French West Indies. other id: TEX 1884. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530516 origin: French West Indies. other id: TEX 1885. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530517 origin: French West Indies. other id: TEX 1886. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530518 origin: Venezuela. other id: TEX 1887. source: Texas Race Collection. locality: La Victoria. latitude: 10 deg. 16 min. N. longitude: 67 deg. 21 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530519 origin: Venezuela. other id: TEX 1888. source: Texas Race Collection. locality: 3 Km. South Of Caracas. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530520 origin: Venezuela. other id: TEX 1889. source: Texas Race Collection. locality: Santa Teresa. latitude: 10 deg. 15 min. N. longitude: 66 deg. 39 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530521 origin: Venezuela. other id: TEX 1890. source: Texas Race Collection. locality: Santa Teresa. latitude: 10 deg. 15 min. N. longitude: 66 deg. 39 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530522 origin: Venezuela. other id: TEX 1891. source: Texas Race Collection. locality: Rio Chico. latitude: 10 deg. 22 min. N. longitude: 65 deg. 59 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530523 origin: Venezuela. other id: TEX 1892. source: Texas Race Collection. locality: Baca Uchire. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530524 origin: Venezuela. other id: TEX 1893. source: Texas Race Collection. locality: Clarines. latitude: 09 deg. 56 min. N. longitude: 65 deg. 11 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530525 origin: Venezuela. other id: TEX 1894. source: Texas Race Collection. locality: Clarines. latitude: 09 deg. 56 min. N. longitude: 65 deg. 11 min. W. remarks: IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530526 origin: Venezuela. other id: TEX 1895. source: Texas Race Collection. locality: Piritu Island. latitude: 10 deg. 09 min. N. longitude: 65 deg. 00 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530527 origin: Venezuela. other id: TEX 1896. source: Texas Race Collection. locality: Guanta. latitude: 10 deg. 15 min. N. longitude: 64 deg. 38 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530528 origin: Venezuela. other id: TEX 1897. source: Texas Race Collection. locality: Guanta. latitude: 10 deg. 15 min. N. longitude: 64 deg. 38 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530529 origin: Venezuela. other id: TEX 1898. source: Texas Race Collection. locality: Santa Fe. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530530 origin: Venezuela. other id: TEX 1899. source: Texas Race Collection. locality: Cumana. latitude: 10 deg. 29 min. N. longitude: 64 deg. 12 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530531 origin: Venezuela. other id: TEX 1900. source: Texas Race Collection. locality: Cumana. latitude: 10 deg. 29 min. N. longitude: 64 deg. 12 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530532 origin: Venezuela. other id: TEX 1901. source: Texas Race Collection. locality: La Esmeralda. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530533 origin: Venezuela. other id: TEX 1902. source: Texas Race Collection. locality: La Esmeralda. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530534 origin: Venezuela. other id: TEX 1903. source: Texas Race Collection. locality: La Esmeralda. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530535 origin: Venezuela. other id: TEX 1904. source: Texas Race Collection. locality: El Sombrero. latitude: 09 deg. 25 min. N. longitude: 67 deg. 06 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530536 origin: Venezuela. other id: TEX 1905. source: Texas Race Collection. locality: Puerto Piritu. latitude: 09 deg. 21 min. N. longitude: 69 deg. 16 min. W. remarks: IRCT-UN-FAO. Wild. Seed.



PI 529807 to 530706-continued

- PI 530537 origin: Venezuela. other id: TEX 1906. source: Texas Race Collection. locality: Puerto Nutrias. latitude: 08 deg. 07 min. N. longitude: 69 deg. 18 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530538 origin: Venezuela. other id: TEX 1907. source: Texas Race Collection. locality: Merida. latitude: 08 deg. 24 min. N. longitude: 71 deg. 08 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530539 origin: Venezuela. other id: TEX 1908. source: Texas Race Collection. locality: Rio Perdido. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530540 origin: Venezuela. other id: TEX 1909. source: Texas Race Collection. locality: S.east Of Lago De Maracaibo. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530541 origin: Venezuela. other id: TEX 1910. source: Texas Race Collection. locality: La Rosita. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530542 origin: Venezuela. other id: TEX 1911. source: Texas Race Collection. locality: Mirimire. latitude: 11 deg. 14 min. N. longitude: 68 deg. 39 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530543 origin: Venezuela. other id: TEX 1912. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530544 origin: Venezuela. other id: TEX 1913. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530545 origin: Venezuela. other id: TEX 1914. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530546 origin: Venezuela. other id: TEX 1915. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530547 origin: Venezuela. other id: TEX 1916. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530548 origin: Colombia. other id: TEX 1917. source: Texas Race Collection. locality: Boqueron. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530549 origin: Colombia. other id: TEX 1918. source: Texas Race Collection. locality: Galanday. remarks: IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530550 **origin:** Colombia. **other id:** TEX 1919. **source:** Texas Race Collection. **locality:** Cerrito. **latitude:** 03 deg. 45 min. N. **longitude:** 76 deg. 16 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530551 **origin:** Colombia. **other id:** TEX 1920. **source:** Texas Race Collection. **locality:** Dagua. **latitude:** 03 deg. 39 min. N. **longitude:** 76 deg. 40 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530552 **origin:** Colombia. **other id:** TEX 1921. **source:** Texas Race Collection. **locality:** Dagua. **latitude:** 03 deg. 39 min. N. **longitude:** 76 deg. 40 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530553 **origin:** Colombia. **other id:** TEX 1922. **source:** Texas Race Collection. **locality:** El Naranjo. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530554 **origin:** Colombia. **other id:** TEX 1923. **source:** Texas Race Collection. **locality:** Caloto. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530555 **origin:** Colombia. **other id:** TEX 1924. **source:** Texas Race Collection. **locality:** Palmira. **latitude:** 03 deg. 33 min. N. **longitude:** 76 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530556 **origin:** Colombia. **other id:** TEX 1925. **source:** Texas Race Collection. **locality:** Cartago. **latitude:** 04 deg. 45 min. N. **longitude:** 75 deg. 55 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530557 **origin:** Colombia. **other id:** TEX 1926. **source:** Texas Race Collection. **locality:** Supia. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530558 **origin:** Colombia. **other id:** TEX 1927. **source:** Texas Race Collection. **locality:** Supia. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530559 **origin:** Colombia. **other id:** TEX 1928. **source:** Texas Race Collection. **locality:** Pintada. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530560 **origin:** Colombia. **other id:** TEX 1929. **source:** Texas Race Collection. **locality:** Valdivia. **latitude:** 07 deg. 10 min. N. **longitude:** 75 deg. 25 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530561 **origin:** Colombia. **other id:** TEX 1930. **source:** Texas Race Collection. **locality:** Caceres. **latitude:** 07 deg. 36 min. N. **longitude:** 75 deg. 23 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530562 **origin:** Colombia. **other id:** TEX 1931. **source:** Texas Race Collection. **locality:** Cordoba. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530563 **origin:** Colombia. **other id:** TEX 1932. **source:** Texas Race Collection. **locality:** Cordoba. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530564 **origin:** Colombia. **other id:** TEX 1933. **source:** Texas Race Collection. **locality:** Cordoba. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530565 **origin:** Colombia. **other id:** TEX 1934. **source:** Texas Race Collection. **locality:** Planeta Rica. **latitude:** 08 deg. 24 min. N. **longitude:** 75 deg. 39 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530566 **origin:** Colombia. **other id:** TEX 1935. **source:** Texas Race Collection. **locality:** Sahagun. **latitude:** 08 deg. 58 min. N. **longitude:** 75 deg. 30 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530567 **origin:** Colombia. **other id:** TEX 1936. **source:** Texas Race Collection. **locality:** Chinu. **latitude:** 09 deg. 07 min. N. **longitude:** 75 deg. 25 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530568 **origin:** Colombia. **other id:** TEX 1937. **source:** Texas Race Collection. **locality:** Ovejas. **latitude:** 09 deg. 32 min. N. **longitude:** 75 deg. 14 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530569 **origin:** Colombia. **other id:** TEX 1938. **source:** Texas Race Collection. **locality:** San Juan Nepemuceno. **latitude:** 09 deg. 57 min. N. **longitude:** 75 deg. 06 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530570 **origin:** Colombia. **other id:** TEX 1939. **source:** Texas Race Collection. **locality:** Bayunca. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530571 **origin:** Colombia. **other id:** TEX 1940. **source:** Texas Race Collection. **locality:** Gallapa. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530572 **origin:** Colombia. **other id:** TEX 1941. **source:** Texas Race Collection. **locality:** San Alberto. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530573 **origin:** Colombia. **other id:** TEX 1942. **source:** Texas Race Collection. **locality:** San Alberto. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530574 **origin:** Colombia. **other id:** TEX 1943. **source:** Texas Race Collection. **locality:** Saravena. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530575 **origin:** Colombia. **other id:** TEX 1944. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530576 **origin:** Colombia. **other id:** TEX 1945. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530577 **origin:** Colombia. **other id:** TEX 1946. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530578 **origin:** Colombia. **other id:** TEX 1947. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530579 **origin:** Colombia. **other id:** TEX 1948. **source:** Texas Race Collection. **locality:** Toro Valle. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530580 **origin:** Colombia. **other id:** TEX 1949. **source:** Texas Race Collection. **locality:** Caloto. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530581 **origin:** Colombia. **other id:** TEX 1950. **source:** Texas Race Collection. **locality:** Neiva. **latitude:** 02 deg. 58 min. N. **longitude:** 75 deg. 15 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530582 **origin:** Colombia. **other id:** TEX 1951. **source:** Texas Race Collection. **locality:** San Andres. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530583 **origin:** Colombia. **other id:** TEX 1952. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530584 **origin:** Colombia. **other id:** TEX 1953. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530585 **origin:** Colombia. **other id:** TEX 1954. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530586 **origin:** Colombia. **other id:** TEX 1955. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530587 **origin:** Colombia. **other id:** TEX 1956. **source:** Texas Race Collection. **locality:** Saravena. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530588 **origin:** Colombia. **other id:** TEX 1957. **source:** Texas Race Collection. **locality:** Saravena. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530589 **origin:** Colombia. **other id:** TEX 1958. **source:** Texas Race Collection. **locality:** San Andres. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530590 **origin:** Mexico. **other id:** TEX 1959. **source:** Texas Race Collection. **locality:** La Mira. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530591 **origin:** Mexico. **other id:** TEX 1960. **source:** Texas Race Collection. **locality:** Punta Ixtapa. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530592 **origin:** Mexico. **other id:** TEX 1961. **source:** Texas Race Collection. **locality:** Punta Ixtapa. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530593 **origin:** Mexico. **other id:** TEX 1962. **source:** Texas Race Collection. **locality:** Punta Ixtapa. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530594 **origin:** Mexico. **other id:** TEX 1963. **source:** Texas Race Collection. **locality:** Tecpan De Galeana. **latitude:** 17 deg. 13 min. N. **longitude:** 100 deg. 41 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530595 **origin:** Mexico. **other id:** TEX 1964. **source:** Texas Race Collection. **locality:** Tecpan De Galeana. **latitude:** 17 deg. 13 min. N. **longitude:** 100 deg. 41 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530596 **origin:** Mexico. **other id:** TEX 1965. **source:** Texas Race Collection. **locality:** Acapulco De Juarez. **latitude:** 16 deg. 51 min. N. **longitude:** 99 deg. 56 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530597 **origin:** Mexico. **other id:** TEX 1966. **source:** Texas Race Collection. **locality:** Las Vigas. **latitude:** 19 deg. 39 min. N. **longitude:** 97 deg. 08 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530598 **origin:** Mexico. **other id:** TEX 1967. **source:** Texas Race Collection. **locality:** Tecoanapa. **latitude:** 16 deg. 30 min. N. **longitude:** 98 deg. 42 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530599 origin: Mexico. other id: TEX 1968. source: Texas Race Collection. locality: San Nicolas. latitude: 16 deg. 26 min. N. longitude: 98 deg. 31 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530600 origin: Mexico. other id: TEX 1969. source: Texas Race Collection. locality: Escarcega De Matamoros. latitude: 18 deg. 40 min. N. longitude: 90 deg. 44 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530601 origin: Mexico. other id: TEX 1970. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530602 origin: Mexico. other id: TEX 1971. source: Texas Race Collection. locality: Calderitas. latitude: 18 deg. 35 min. N. longitude: 88 deg. 15 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530603 origin: Mexico. other id: TEX 1972. source: Texas Race Collection. locality: 2 Km. West Of Chetumal. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530604 origin: Mexico. other id: TEX 1973. source: Texas Race Collection. locality: Los Limones. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530605 origin: Mexico. other id: TEX 1974. source: Texas Race Collection. locality: Playa Del Carmen. latitude: 20 deg. 36 min. N. longitude: 87 deg. 04 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530606 origin: Mexico. other id: TEX 1975. source: Texas Race Collection. locality: Playa Del Carmen. latitude: 20 deg. 36 min. N. longitude: 87 deg. 04 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530607 origin: Mexico. other id: TEX 1976. source: Texas Race Collection. locality: Cancun. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530608 origin: Mexico. other id: TEX 1977. source: Texas Race Collection. locality: Leona Vicario. latitude: 20 deg. 59 min. N. longitude: 87 deg. 12 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530609 origin: Mexico. other id: TEX 1978. source: Texas Race Collection. locality: Ignacio Saragoza. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530610 origin: Mexico. other id: TEX 1979. source: Texas Race Collection. locality: Kantunilkin. remarks: IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530611 origin: Mexico. other id: TEX 1980. source: Texas Race Collection. locality: Kantunilkin. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530612 origin: Mexico. other id: TEX 1981. source: Texas Race Collection. locality: Tizimin. latitude: 21 deg. 10 min. N. longitude: 88 deg. 09 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530613 origin: Mexico. other id: TEX 1982. source: Texas Race Collection. locality: Loche. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530614 origin: Mexico. other id: TEX 1983. source: Texas Race Collection. locality: Las Coloradas. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530615 origin: Mexico. other id: TEX 1984. source: Texas Race Collection. locality: San Felipe. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530616 origin: Mexico. other id: TEX 1985. source: Texas Race Collection. locality: San Felipe. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530617 origin: Mexico. other id: TEX 1986. source: Texas Race Collection. locality: Yordzonot. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530618 origin: Mexico. other id: TEX 1987. source: Texas Race Collection. locality: Yordzonot. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530619 origin: Mexico. other id: TEX 1988. source: Texas Race Collection. locality: Libre Union. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530620 origin: Mexico. other id: TEX 1989. source: Texas Race Collection. locality: Kantunil. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530621 origin: Mexico. other id: TEX 1990. source: Texas Race Collection. locality: Izamel. latitude: 20 deg. 56 min. N. longitude: 89 deg. 01 min. W. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530622 origin: Mexico. other id: TEX 1991. source: Texas Race Collection. locality: Ozilam Gonzalez. remarks: IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530623 **origin:** Mexico. **other id:** TEX 1992. **source:** Texas Race Collection. **locality:** Santa Clara. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530624 **origin:** Mexico. **other id:** TEX 1993. **source:** Texas Race Collection. **locality:** Santa Clara. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530625 **origin:** Mexico. **other id:** TEX 1994. **source:** Texas Race Collection. **locality:** Santa Clara. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530626 **origin:** Mexico. **other id:** TEX 1995. **source:** Texas Race Collection. **locality:** Chabihau. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530627 **origin:** Mexico. **other id:** TEX 1996. **source:** Texas Race Collection. **locality:** Chabihau. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530628 **origin:** Mexico. **other id:** TEX 1997. **source:** Texas Race Collection. **locality:** Chabihau. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530629 **origin:** Mexico. **other id:** TEX 1998. **source:** Texas Race Collection. **locality:** Progreso. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530630 **origin:** Mexico. **other id:** TEX 1999. **source:** Texas Race Collection. **locality:** Progreso. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530631 **origin:** Mexico. **other id:** TEX 2000. **source:** Texas Race Collection. **locality:** Progreso. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530632 **origin:** Mexico. **other id:** TEX 2001. **source:** Texas Race Collection. **locality:** Sisal. **latitude:** 21 deg. 10 min. N. **longitude:** 90 deg. 02 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530633 **origin:** Mexico. **other id:** TEX 2002. **source:** Texas Race Collection. **locality:** Sisal. **latitude:** 21 deg. 10 min. N. **longitude:** 90 deg. 02 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530634 **origin:** Mexico. **other id:** TEX 2003. **source:** Texas Race Collection. **locality:** Crucero San Luis. **remarks:** IRCT-UN-FAO. Wild. Seed.



PI 529807 to 530706-continued

- PI 530635 **origin:** Mexico. **other id:** TEX 2004. **source:** Texas Race Collection. **locality:** Edzna. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530636 **origin:** Mexico. **other id:** TEX 2005. **source:** Texas Race Collection. **locality:** Cayal. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530637 **origin:** Mexico. **other id:** TEX 2006. **source:** Texas Race Collection. **locality:** Tikinmul. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530638 **origin:** Mexico. **other id:** TEX 2007. **source:** Texas Race Collection. **locality:** Castamay. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530639 **origin:** Mexico. **other id:** TEX 2008. **source:** Texas Race Collection. **locality:** Champoton. **latitude:** 19 deg. 20 min. N. **longitude:** 90 deg. 43 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530640 **origin:** Mexico. **other id:** TEX 2009. **source:** Texas Race Collection. **locality:** Chenkan. **latitude:** 19 deg. 08 min. N. **longitude:** 90 deg. 58 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530641 **origin:** Mexico. **other id:** TEX 2010. **source:** Texas Race Collection. **locality:** Chenkan. **latitude:** 19 deg. 08 min. N. **longitude:** 90 deg. 58 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530642 **origin:** Mexico. **other id:** TEX 2011. **source:** Texas Race Collection. **locality:** Chenkan. **latitude:** 19 deg. 08 min. N. **longitude:** 90 deg. 58 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530643 **origin:** Mexico. **other id:** TEX 2012. **source:** Texas Race Collection. **locality:** Isla Aguada. **latitude:** 18 deg. 50 min. N. **longitude:** 91 deg. 20 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530644 **origin:** Mexico. **other id:** TEX 2013. **source:** Texas Race Collection. **locality:** Ciudad Del Carmen. **latitude:** 18 deg. 35 min. N. **longitude:** 91 deg. 50 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530645 **origin:** Mexico. **other id:** TEX 2014. **source:** Texas Race Collection. **locality:** Tupilco. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530646 **origin:** Mexico. **other id:** TEX 2015. **source:** Texas Race Collection. **locality:** Salina Cruz. **latitude:** 16 deg. 11 min. N. **longitude:** 95 deg. 12 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530647 **origin:** Mexico. **other id:** TEX 2016. **source:** Texas Race Collection. **locality:** Colonia San Pablo. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530648 **origin:** Mexico. **other id:** TEX 2017. **source:** Texas Race Collection. **locality:** La Noria. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530649 **origin:** Mexico. **other id:** TEX 2018. **source:** Texas Race Collection. **locality:** Espinal. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530650 **origin:** Mexico. **other id:** TEX 2019. **source:** Texas Race Collection. **locality:** Jalapa De Marquez. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530651 **origin:** Mexico. **other id:** TEX 2020. **source:** Texas Race Collection. **locality:** Las Minas. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530652 **origin:** Mexico. **other id:** TEX 2021. **source:** Texas Race Collection. **locality:** Camaran. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530653 **origin:** Mexico. **other id:** TEX 2022. **source:** Texas Race Collection. **locality:** Gramal. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530654 **origin:** Mexico. **other id:** TEX 2023. **source:** Texas Race Collection. **locality:** Oaxaca De Juarez. **latitude:** 17 deg. 05 min. N. **longitude:** 96 deg. 41 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530655 **origin:** United Kingdom. **other id:** TEX 2024. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530656 **origin:** United Kingdom. **other id:** TEX 2025. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530657 **origin:** United Kingdom. **other id:** TEX 2026. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530658 **origin:** United Kingdom. **other id:** TEX 2027. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530659 **origin:** French West Indies. **other id:** TEX 2028. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530660 **origin:** French West Indies. **other id:** TEX 2029. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530661 **origin:** French West Indies. **other id:** TEX 2030. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530662 **origin:** French West Indies. **other id:** TEX 2031. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530663 **origin:** French West Indies. **other id:** TEX 2032. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530664 **origin:** French West Indies. **other id:** TEX 2033. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530665 **origin:** French West Indies. **other id:** TEX 2034. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530666 **origin:** French West Indies. **other id:** TEX 2035. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530667 **origin:** French West Indies. **other id:** TEX 2036. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530668 **origin:** French West Indies. **other id:** TEX 2037. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530669 **origin:** French West Indies. **other id:** TEX 2038. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530670 **origin:** French West Indies. **other id:** TEX 2039. **source:** Texas Race Collection. **locality:** Pointe Des Chateaux. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530671 origin: French West Indies. other id: TEX 2041. source: Texas Race Collection. locality: Pointe Des Chateaux. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530672 origin: French West Indies. other id: TEX 2042. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530673 origin: French West Indies. other id: TEX 2043. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530674 origin: French West Indies. other id: TEX 2044. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530675 origin: French West Indies. other id: TEX 2045. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530676 origin: French West Indies. other id: TEX 2046. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530677 origin: French West Indies. other id: TEX 2047. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530678 origin: French West Indies. other id: TEX 2048. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530679 origin: French West Indies. other id: TEX 2049. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530680 origin: French West Indies. other id: TEX 2050. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530681 origin: French West Indies. other id: TEX 2051. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530682 origin: French West Indies. other id: TEX 2052. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.
- PI 530683 origin: French West Indies. other id: TEX 2053. source: Texas Race Collection. remarks: IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530684 **origin:** French West Indies. **other id:** TEX 2054. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530685 **origin:** French West Indies. **other id:** TEX 2055. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530686 **origin:** French West Indies. **other id:** TEX 2056. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530687 **origin:** French West Indies. **other id:** TEX 2057. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530688 **origin:** French West Indies. **other id:** TEX 2058. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530689 **origin:** French West Indies. **other id:** TEX 2059. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530690 **origin:** French West Indies. **other id:** TEX 2060. **source:** Texas Race Collection. **locality:** St. Francois. **latitude:** 16 deg. 15 min. N. **longitude:** 61 deg. 17 min. W. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530691 **origin:** French West Indies. **other id:** TEX 2061. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530692 **origin:** French West Indies. **other id:** TEX 2062. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530693 **origin:** French West Indies. **other id:** TEX 2063. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530694 **origin:** French West Indies. **other id:** TEX 2064. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530695 **origin:** French West Indies. **other id:** TEX 2065. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.

PI 529807 to 530706-continued

- PI 530696 **origin:** France. **other id:** TEX 2066. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530697 **origin:** China. **other id:** TEX 2067. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530698 **origin:** French West Indies. **other id:** TEX 2068. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530699 **origin:** French West Indies. **other id:** TEX 2069. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530700 **origin:** French West Indies. **other id:** TEX 2070. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530701 **origin:** French West Indies. **other id:** TEX 2071. **source:** Texas Race Collection. **remarks:** IRCT-UN-FAO. Wild. Seed.
- PI 530702 **origin:** Costa Rica. **other id:** TEX 2116. **source:** Texas Race Collection. **locality:** Puntarenas. **latitude:** 10 deg. 00 min. N. **longitude:** 84 deg. 50 min. W. **remarks:** KHAN,TEBBS,VICKERY 1984. Wild. Seed.
- PI 530703 **origin:** Mexico. **other id:** TEX 2117. **source:** Texas Race Collection. **locality:** Zihuatanejo. **latitude:** 17 deg. 39 min. N. **longitude:** 101 deg. 33 min. W. **remarks:** 1985. Wild. Seed.
- PI 530704 **origin:** Mexico. **other id:** TEX 2118. **source:** Texas Race Collection. **locality:** Zihuatanejo. **latitude:** 17 deg. 39 min. N. **longitude:** 101 deg. 33 min. W. **remarks:** 1985. Wild. Seed.
- PI 530705 **origin:** China. **other id:** TEX 2119. **source:** Texas Race Collection. **remarks:** CONG-YI YUAN 1985. Wild. Seed.
- PI 530706 **origin:** Trinidad and Tobago. **other id:** TEX 2167. **source:** Texas Race Collection. **locality:** Charuma Biche. **remarks:** A E PERCIVAL 1985. Wild. Seed.

PI 530707 to 530734. *Gossypium tomentosum* Nutt. ex Seemann MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium tomentosum* Numbered February 1989. Received February 1989.

PI 530707 to 530734-continued

- PI 530707 origin: Mexico. other id: AD3 1. source: Texas Wild Species Collection - Gossypium species. remarks: A MANGELSDORF 1963. Seed.
- PI 530708 origin: Mexico. other id: AD3 2. source: Texas Wild Species Collection - Gossypium species. remarks: R WILBUR 1963. Seed.
- PI 530709 origin: Mexico. other id: AD3 3. source: Texas Wild Species Collection - Gossypium species. remarks: D CLEMENT 1963. Seed.
- PI 530710 origin: Mexico. other id: AD3 4. source: Texas Wild Species Collection - Gossypium species. remarks: S G STEVENS 1963. Seed.
- PI 530711 origin: Mexico. other id: AD3 5. source: Texas Wild Species Collection - Gossypium species. remarks: S G STEVENS 1963. Seed.
- PI 530712 origin: Mexico. other id: AD3 6. source: Texas Wild Species Collection - Gossypium species. remarks: S G STEVENS 1963. Seed.
- PI 530713 origin: United States. other id: AD3 7. source: Texas Wild Species Collection - Gossypium species. remarks: S G STEVENS 1965. Seed.
- PI 530714 origin: Mexico. other id: AD3 8. source: Texas Wild Species Collection - Gossypium species. remarks: S G STEVENS 1963. Seed.
- PI 530715 origin: Mexico. other id: AD3 9. source: Texas Wild Species Collection - Gossypium species. remarks: S G STEVENS 1963. Seed.
- PI 530716 origin: United States. other id: AD3 10. source: Texas Wild Species Collection - Gossypium species. remarks: S G STEVENS 1963. Seed.
- PI 530717 origin: Mexico. other id: AD3 11. source: Texas Wild Species Collection - Gossypium species. remarks: S G STEVENS 1963. Seed.
- PI 530718 origin: Mexico. other id: AD3 12. source: Texas Wild Species Collection - Gossypium species. remarks: C WHITESELL 1963. Seed.
- PI 530719 origin: United States. other id: AD3 13. source: Texas Wild Species Collection - Gossypium species. remarks: S G STEVENS 1963. Seed.

PI 530707 to 530734-continued

- PI 530720 origin: Saudi Arabia. other id: AD3 14. source: Texas Wild Species Collection - Gossypium species. remarks: S G STEVENS 1963. Seed.
- PI 530721 origin: Saudi Arabia. other id: AD3 15. source: Texas Wild Species Collection - Gossypium species. remarks: S G STEVENS 1963. Seed.
- PI 530722 origin: Saudi Arabia. other id: AD3 16. source: Texas Wild Species Collection - Gossypium species. remarks: A F ROBINSON 1963. Seed.
- PI 530723 origin: United States. other id: AD3 17. source: Texas Wild Species Collection - Gossypium species. remarks: BOY SCOUTS ?. Seed.
- PI 530724 origin: Saudi Arabia. other id: AD3 18. source: Texas Wild Species Collection - Gossypium species. remarks: CHARLES WINONA. Seed.
- PI 530725 origin: Saudi Arabia. other id: AD3 19. source: Texas Wild Species Collection - Gossypium species. Seed.
- PI 530726 origin: Saudi Arabia. other id: AD3 20. source: Texas Wild Species Collection - Gossypium species. remarks: KEN NAGATA 1979. Seed.
- PI 530727 origin: United States. other id: AD3 21. source: Texas Wild Species Collection - Gossypium species. remarks: KEN NAGATA 1979. Seed.
- PI 530728 origin: Saudi Arabia. other id: AD3 22. source: Texas Wild Species Collection - Gossypium species. remarks: KEN NAGATA 1979. Seed.
- PI 530729 origin: United States. other id: AD3 23. source: Texas Wild Species Collection - Gossypium species. remarks: SCOTT LUCAS. Seed.
- PI 530730 origin: Saudi Arabia. other id: AD3 24. source: Texas Wild Species Collection - Gossypium species. remarks: WAIMEA ARBORETUM 1979. Seed.
- PI 530731 origin: Saudi Arabia. other id: AD3 25. source: Texas Wild Species Collection - Gossypium species. Seed.
- PI 530732 origin: Saudi Arabia. other id: AD3 26. source: Texas Wild Species Collection - Gossypium species. remarks: GERALD D CARR 1979. Seed.



PI 530707 to 530734-continued

PI 530733 origin: United States. other id: AD3 27. source: Texas Wild Species Collection - Gossypium species. remarks: KEN NAGATA 1980. Seed.

PI 530734 origin: Africa. other id: AD3 28. source: Texas Wild Species Collection - Gossypium species. remarks: KEN NAGATA. Seed.

PI 530735 to 530741. *Gossypium mustelinum* Miers ex G. Watt MALVACEAE

Donated by: Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. remarks: Texas Wild Species Collection - *Gossypium mustelinum* Numbered February 1989. Received February 1989.

PI 530735 origin: Africa. other id: AD4 1. source: Texas Wild Species Collection - *Gossypium* species. remarks: ELTON DO SANTOS (EMBRA 1982). Seed.

PI 530736 origin: Brazil. origin institute: EMBRAPA BRAZIL. other id: AD4 2. source: Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530737 origin: Brazil. origin institute: EMBRAPA BRAZIL. other id: AD4 3. source: Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530738 origin: Brazil. origin institute: EMBRAPA BRAZIL. other id: AD4 4. source: Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530739 origin: Brazil. origin institute: EMBRAPA BRAZIL. other id: AD4 5. source: Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530740 origin: Brazil. origin institute: EMBRAPA BRAZIL. other id: AD4 6. source: Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530741 origin: Brazil. origin institute: EMBRAPA CENARGEN BRAZIL. pedigree: BRA-032760. other id: AD4 7. source: Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530742 to 530744. *Gossypium anomalum* Wawra MALVACEAE

Donated by: Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. remarks: Texas Wild Species Collection - *Gossypium anomalum* Numbered February 1989. Received February 1989.

PI 530742 to 530744-continued

PI 530742 **origin:** Africa. **other id:** B1 1. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530743 **origin:** Africa. **other id:** B1 2. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530744 **origin:** Africa. **other id:** B1 3. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530745 to 530746. *Gossypium triphyllum* (Harvey) Hochr. MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium triphyllum* Numbered February 1989. Received February 1989.

PI 530745 **origin:** Africa. **other id:** B2 1. **source:** Texas Wild Species Collection - *Gossypium* species. **longitude:** }i deg.. Seed.

PI 530746 **origin:** Africa. **other id:** B2 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530747. *Gossypium capitis-viridis* Mauer MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium capitis-viridis* Numbered February 1989. Received February 1989.

**origin:** Africa. **other id:** B3 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530748 to 530751. *Gossypium sturtianum* J. H. Willis MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium sturtianum* Numbered February 1989. Received February 1989.

PI 530748 **origin:** Australia. **other id:** C1 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530749 **origin:** Cape Verde, Rep of. **other id:** C1 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530750 **origin:** Australia. **other id:** C1 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530748 to 530751-continued

PI 530751 **origin:** Australia. **other id:** Cl 4. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530752 to 530755. *Gossypium sturtianum* var. *nandewarensis* (Derera) Fryx. MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Col. - *G. sturtianum* var. *nandewarensis* Numbered February 1989. Received February 1989.

PI 530752 **origin:** Australia. **other id:** ClN 1. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530753 **origin:** Australia. **other id:** ClN 2. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530754 **origin:** Australia. **other id:** ClN 3. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530755 **origin:** Australia. **other id:** ClN 4. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530756 to 530759. *Gossypium robinsonii* F. Muell. MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium robinsonii* Numbered February 1989. Received February 1989.

PI 530756 **origin:** Australia. **other id:** C2 1. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530757 **origin:** Australia. **other id:** C2 2. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530758 **origin:** Australia. **other id:** C2 3. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530759 **origin:** Czechoslovakia. **origin institute:** Prague-Suchdol, Czech.. **other id:** C2 6. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530760 to 530761. *Gossypium australe* F. Muell. MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium australe* Numbered February 1989. Received February 1989.

PI 530760 to 530761-continued

PI 530760 **origin:** Australia. **other id:** C3 1. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530761 **origin:** Australia. **other id:** C3 2. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530762. *Gossypium populifolium* (Benth.) F. Muell. ex Tod. MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium populifolium* Numbered February 1989. Received February 1989.

**origin:** Australia. **other id:** C6 5. **source:** Texas Wild Species Collection - *Gossypium* species. **remarks:** FROM J LEE NORTH CAROLINA. Seed.

PI 530763 to 530764. *Gossypium nelsonii* Fryx. MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium nelsonii* Numbered February 1989. Received February 1989.

PI 530763 **origin:** Australia. **other id:** C9 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530764 **origin:** Australia. **other id:** C9 4. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530765 to 530798. *Gossypium thurberi* Tod. MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium thurberi* Numbered February 1989. Received February 1989.

PI 530765 **origin:** Mexico. **origin institute:** Unknown. **other id:** D1 1. **source:** Texas Wild Species Collection - *Gossypium* species. **remarks:** *G. thurberi*. Seed.

PI 530766 **origin:** Mexico. **other id:** D1 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530767 **origin:** Mexico. **other id:** D1 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530765 to 530798-continued

- PI 530768 **origin:** Mexico. **historical origin:** United States. **origin institute:** W. H. Cross, Boll Weevil Lab., Mississippi State Univeristy, State College, Mississippi 39762. **collected:** 1965. **other id:** D1 4. **source:** Texas Wild Species Collection - Gossypium species. **locality:** On rocky hillside, km. 2345-6 on highway south of Casilta, Sonora. **remarks:** W H CROSS 1966. Seed.
- PI 530769 **origin:** Mexico. **other id:** D1 5. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530770 **origin:** Mexico. **other id:** D1 6. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530771 **origin:** Mexico. **other id:** D1 7. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530772 **origin:** United States. **pedigree:** Wild. **other id:** D1 8. **source:** Texas Wild Species Collection - Gossypium species. **locality:** Mt. Lemmon Recreational Area, Pima County. 6.7 miles south of Bear Canyon lookout along Arizona Hwy #4 Single plant next to road. **remarks:** MT. LEMMON REC. AREA, PIMA COUNTY, ARIZONA. Seed.
- PI 530773 **origin:** United States. **other id:** D1 9. **source:** Texas Wild Species Collection - Gossypium species. **locality:** Mt. Lemmon Recreational Area, Pima County, Arizona. 4.7 miles south of Bear Canyon lookout along Arizona Hwy. #4. **remarks:** MT. LEMMON REC. AREA, PIMA COUNTY, ARIZONA. Seed.
- PI 530774 **origin:** United States. **other id:** D1 10. **source:** Texas Wild Species Collection - Gossypium species. **locality:** Mt. Lemmon Recreational Area, Pima County, Arizona. 5.0 miles south of Bear Canyon lookout along Arizona Hwy #4, picnic ground. **remarks:** MT. LEMMON REC. AREA, PIMA COUNTY, ARIZONA. Seed.
- PI 530775 **origin:** United States. **other id:** D1 11. **source:** Texas Wild Species Collection - Gossypium species. **locality:** 0.8 miles south of Bear Canyon lookout along Arizona Hwy #4. **remarks:** MT. LEMMON REC. AREA, PIMA COUNTY, ARIZONA. Seed.
- PI 530776 **origin:** United States. **other id:** D1 12. **source:** Texas Wild Species Collection - Gossypium species. **locality:** Mt. Lemmon Recreational Area, Pima County, Arizona. 2.6 miles south of Bear Canyon lookout along Arizona Hwy #4. **remarks:** MT. LEMMON REC. AREA, PIMA COUNTY, ARIZONA. Seed.

PI 530765 to 530798-continued

- PI 530777 **origin:** United States. **other id:** D1 13. **source:** Texas Wild Species Collection - Gossypium species. **locality:** Mt. Lemmon Recreational Area, Pima County, Arizona 3.0 miles south of Bear Canyon lookout along Arizona Hwy #4. **remarks:** MT. LEMMON REC. AREA, PIMA COUNTY, ARIZONA. Seed.
- PI 530778 **origin:** United States. **other id:** D1 14. **source:** Texas Wild Species Collection - Gossypium species. **locality:** Mt. Lemmon Recreational Area, Pima County, Arizona 4.2 miles south of Bear Canyon lookout along Arizona Hwy #4. **remarks:** MT. LEMMON REC. AREA, PIMA COUNTY, ARIZONA. Seed.
- PI 530779 **origin:** United States. **origin institute:** J. Wendel - Iowa State University, Arizona. **other id:** D1 15. **source:** Texas Wild Species Collection - Gossypium species. **locality:** 5 ft. plant near Collosal Cave. From Saguaro Natl. Monument, Pima County, Arizona. **remarks:** SAGUARO NATL. MONUMENT, PIMA COUNTY, ARIZONA. Perennial. Seed.
- PI 530780 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **other id:** D1 16. **source:** Texas Wild Species Collection - Gossypium species. **locality:** 1.7 miles from Madrono Ranger Station. From Saguaro Natl. Monument, Pima County, Arizona. **remarks:** SARUARO NATL. MONUMENT, PIMA COUNTY, ARIZONA. Perennial. Seed.
- PI 530781 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **other id:** D1 17. **source:** Texas Wild Species Collection - Gossypium species. **locality:** 2.5 miles from Madrono Ranger Station From Saguaro Natl. Monument, Pima County, Arizona. **remarks:** SAGUARO NATL. MONUMENT, PIMA COUNTY, ARIZONA. Perennial. Seed.
- PI 530782 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **other id:** D1 18. **source:** Texas Wild Species Collection - Gossypium species. **locality:** 1 mi. N Oof Coronado Natl. Fest boundary on Arizona Hwy. # 8 5 ft. plant. **remarks:** N OF ARIZONA HWY # 83 BELOW U.S. 80. Perennial. Seed.
- PI 530783 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **other id:** D1 19. **source:** Texas Wild Species Collection - Gossypium species. **locality:** From Box Canyon, Santa Rita Mountains Found next to Arizona Hwy. # 3. **remarks:** BOX CANYON, SANTA RITA MOUNTAINS. Perennial. Seed.

PI 530765 to 530798-continued

- PI 530784 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **other id:** D1 20. **source:** Texas Wild Species Collection - Gossypium species. **locality:** 5.8 miles W of Bisbee on U.S. 80, 1.5 mi. before junction wi. **remarks:** ARIZONA. Perennial. Seed.
- PI 530785 **origin:** United States. **origin institute:** J. Wendel Iowa State Univ., Arizona. **other id:** D1 21. **source:** Texas Wild Species Collection - Gossypium species. **locality:** Along U.S. 80, 4.3 miles NW of Bisbee - Arizona 4 - 5 ft. plants. **remarks:** ALONG U.S. 80, NW OF BISBEE- ARIZONA. Perennial. Seed.
- PI 530786 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **other id:** D1 22. **source:** Texas Wild Species Collection - Gossypium species. **locality:** Unknown - probably S of Nogales on U.S. 15. Perennial. Seed.
- PI 530787 **origin:** Mexico. **origin institute:** J. Wendel - Iowa State Univ., Sonora. **other id:** D1 23. **source:** Texas Wild Species Collection - Gossypium species. **locality:** 60 mi. S of Nogales at 2300 km on Mexican Rt. 15 in Sonora. **elevation:** 2200'-2200'm. **remarks:** MEXICAN RT. 15 IN SONORA, MEXICO. Perennial. Seed.
- PI 530788 **origin:** Mexico. **origin institute:** J. Wendel - Iowa State Univ., Sonora. **other id:** D1 24. **source:** Texas Wild Species Collection - Gossypium species. **locality:** 30 mi. S of Nogales at 2340 km on Mexican Rt. 15 in Sonora. **elevation:** 2800'-2800'm. **remarks:** MEXICAN RT. 15 IN SONORA, MEXICO. Perennial. Seed.
- PI 530789 **origin:** Mexico. **origin institute:** J. Wendel - Iowa State Univ., Sonora. **other id:** D1 25. **source:** Texas Wild Species Collection - Gossypium species. **locality:** 22 mi. S of Nogales at km 2354 on Mexican Rt. 15 in Sonora. **remarks:** MEXICAN RT. 15 IN SONORA, MEXICO. Perennial. Seed.
- PI 530790 **origin:** United States. **origin institute:** . Wendel - Iowa State Univ., Arizona. **other id:** D1 26. **source:** Texas Wild Species Collection - Gossypium species. **locality:** From a colony in the "Superstition Mts.approx. 30 mi. E of A. **remarks:** COLLECTED BY J. WENDEL. Perennial. Seed.

PI 530765 to 530798-continued

- PI 530791 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **pedigree:** # 1 From Stephens & Phillips coll's. **collected:** November 1987. **other id:** D1 27. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** FROM J. WENDEL - STEPHENS & PHILLIPS COLL'S. Perennial. Seed.
- PI 530792 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **pedigree:** # 8 From Stephens & Phillips coll's. **collected:** November 1987. **other id:** D1 28. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** FROM J. WENDEL - STEPHENS & PHILLIPS COLL'S. Perennial. Seed.
- PI 530793 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **pedigree:** # 9 From Stephens & Phillips coll's. **collected:** November 1987. **other id:** D1 29. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** FROM J. WENDEL - STEPHENS & PHILLIPS COLL'S. Perennial. Seed.
- PI 530794 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **pedigree:** # 10 From Stephens & Phillips coll's. **collected:** December 1987. **other id:** D1 30. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** FROM J. WENDEL - STEPHENS & PHILLIPS COLL'S. Perennial. Seed.
- PI 530795 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **pedigree:** # 11 From Stephens & Phillips coll's. **collected:** November 1987. **other id:** D1 31. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** FROM J. WENDEL - STEPHENS & PHILLIPS COLL'S. Perennial. Seed.
- PI 530796 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **pedigree:** # 14 From Stephens & Phillips coll's. **collected:** November 1987. **other id:** D1 32. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** FROM J. WENDEL - STEPHENS & PHILLIPS COLL'S. Perennial. Seed.
- PI 530797 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **pedigree:** # 15 From Stephens & Phillips coll's. **collected:** November 1987. **other id:** D1 33. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** FROM J. WENDEL - STEPHENS & PHILLIPS COLL'S. Perennial. Seed.



PI 530765 to 530798-continued

PI 530798 **origin:** United States. **origin institute:** J. Wendel - Iowa State Univ., Arizona. **pedigree:** # 17 From Stephens & Phillips coll's. **collected:** December 1987. **other id:** D1 34. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** FROM J. WENDEL - STEPHENS & PHILLIPS COLL'S. Perennial. Seed.

PI 530799 to 530800. *Gossypium turneri* Fryx. MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium turneri* Numbered February 1989. Received February 1989.

PI 530799 **origin:** Mexico. **other id:** D10 1. **source:** Texas Wild Species Collection - *Gossypium* species. **remarks:** R M TURNER 1979. Seed.

PI 530800 **origin:** Mexico. **other id:** D10 2. **source:** Texas Wild Species Collection - *Gossypium* species. **remarks:** IRCT FRANCE 1983. Seed.

PI 530801 to 530805. *Gossypium armourianum* Kearney MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium armourianum* Numbered February 1989. Received February 1989.

PI 530801 **origin:** Australia. **other id:** D21 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530802 **origin:** Mexico. **other id:** D21 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530803 **origin:** Mexico. **other id:** D21 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530804 **origin:** Australia. **other id:** D21 4. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530805 **origin:** Mexico. **historical origin:** Mexico. **other id:** D21 5. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530806 to 530808. *Gossypium harknessii* Brandege MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium harknessii* Numbered February 1989. Received February 1989.

PI 530806 **origin:** Mexico. **historical origin:** Mexico. **other id:** D22 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530807 **origin:** Mexico. **other id:** D22 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530808 **origin:** Mexico. **other id:** D22 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530809 to 530825. *Gossypium davidsonii* Kellogg MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium davidsonii* Numbered February 1989. Received February 1989.

PI 530809 **origin:** Mexico. **other id:** D3D 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530810 **origin:** Mexico. **other id:** D3D 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530811 **origin:** Mexico. **other id:** D3D 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530812 **origin:** Mexico. **other id:** D3D 4. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530813 **origin:** Mexico. **other id:** D3D 5. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530814 **origin:** Mexico. **other id:** D3D 6. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530815 **origin:** Mexico. **cultivar:** J. Wendel - Stephens & Phillips Coll's. **pedigree:** # 8. **collected:** December 1987. **other id:** D3D 7. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530816 **origin:** Mexico. **cultivar:** J. WENDEL - STEPHENS & PHILLIPS COLL'S. **pedigree:** # 10. **collected:** December 1987. **other id:** D3D 8. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530809 to 530825-continued

- PI 530817 **origin:** Mexico. **cultivar:** J. WENDEL - STEPHENS & PHILLIPS COLL'S. **pedigree:** # 16. **collected:** December 1987. **other id:** D3D 9. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530818 **origin:** Mexico. **cultivar:** J. WENDEL - STEPHENS & PHILLIPS COLL'S. **pedigree:** # 18. **collected:** December 1987. **other id:** D3D 10. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530819 **origin:** Mexico. **cultivar:** J. WENDEL - STEPHENS & PHILLIPS COLL'S. **pedigree:** # 20. **collected:** November 1987. **other id:** D3D 11. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530820 **origin:** Mexico. **cultivar:** J. WENDEL - STEPHENS & PHILLIPS COLL'S. **pedigree:** # 22. **collected:** December 1987. **other id:** D3D 12. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530821 **origin:** Mexico. **cultivar:** J. WENDEL - STEPHENS & PHILLIPS COLL'S. **pedigree:** # 24. **collected:** December 1987. **other id:** D3D 13. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530822 **origin:** Mexico. **cultivar:** J. WENDEL - STEPHENS & PHILLIPS COLL'S. **pedigree:** # 27. **collected:** December 1987. **other id:** D3D 14. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530823 **origin:** Mexico. **cultivar:** J. WENDEL - STEPHENS & PHILLIPS COLL'S. **pedigree:** # 32a. **collected:** December 1987. **other id:** D3D 15. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530824 **origin:** Mexico. **cultivar:** J. WENDEL - STEPHENS & PHILLIPS COLL'S. **pedigree:** # 32b. **collected:** December 1987. **other id:** D3D 16. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530825 **origin:** Mexico. **cultivar:** J. WENDEL - STEPHENS & PHILLIPS COLL'S. **pedigree:** # 97. **collected:** December 1987. **other id:** D3D 17. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530826 to 530885. *Gossypium klotzschianum* Andersson MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium klotzschianum* Numbered February 1989. Received February 1989.

PI 530826 to 530885-continued

- PI 530826 **origin:** Ecuador. **other id:** D3K 1. **source:** Texas Wild Species Collection - Gossypium species. **Seed.**
- PI 530827 **origin:** Mexico. **other id:** D3K 2. **source:** Texas Wild Species Collection - Gossypium species. **Seed.**
- PI 530828 **origin:** Mexico. **other id:** D3K 3. **source:** Texas Wild Species Collection - Gossypium species. **Seed.**
- PI 530829 **origin:** Mexico. **other id:** D3K 4. **source:** Texas Wild Species Collection - Gossypium species. **Seed.**
- PI 530830 **origin:** Mexico. **other id:** D3K 5. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. **Seed.**
- PI 530831 **origin:** Mexico. **other id:** D3K 6. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. **Seed.**
- PI 530832 **origin:** Ecuador. **other id:** D3K 7. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. **Seed.**
- PI 530833 **origin:** Mexico. **other id:** D3K 8. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. **Seed.**
- PI 530834 **origin:** Mexico. **other id:** D3K 9. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. **Seed.**
- PI 530835 **origin:** Mexico. **other id:** D3K 10. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. **Seed.**
- PI 530836 **origin:** Ecuador. **other id:** D3K 11. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. **Seed.**
- PI 530837 **origin:** Mexico. **other id:** D3K 12. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. **Seed.**
- PI 530838 **origin:** Mexico. **other id:** D3K 13. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. **Seed.**
- PI 530839 **origin:** Mexico. **other id:** D3K 14. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. **Seed.**

PI 530826 to 530885-continued

- PI 530840 **origin:** Mexico. **other id:** D3K 15. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530841 **origin:** Mexico. **other id:** D3K 16. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530842 **origin:** Mexico. **other id:** D3K 17. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530843 **origin:** Ecuador. **other id:** D3K 18. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530844 **origin:** Ecuador. **other id:** D3K 19. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530845 **origin:** Ecuador. **other id:** D3K 20. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530846 **origin:** Ecuador. **other id:** D3K 21. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530847 **origin:** Ecuador. **other id:** D3K 22. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530848 **origin:** Ecuador. **other id:** D3K 23. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530849 **origin:** Ecuador. **other id:** D3K 24. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530850 **origin:** Ecuador. **other id:** D3K 25. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530851 **origin:** Ecuador. **other id:** D3K 26. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530852 **origin:** Ecuador. **other id:** D3K 27. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.

PI 530826 to 530885-continued

- PI 530853 **origin:** Ecuador. **other id:** D3K 28. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530854 **origin:** Ecuador. **other id:** D3K 29. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530855 **origin:** Ecuador. **other id:** D3K 30. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530856 **origin:** Ecuador. **other id:** D3K 31. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530857 **origin:** Ecuador. **other id:** D3K 32. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530858 **origin:** Ecuador. **other id:** D3K 33. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530859 **origin:** Ecuador. **other id:** D3K 34. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530860 **origin:** Ecuador. **other id:** D3K 35. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530861 **origin:** Ecuador. **other id:** D3K 36. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530862 **origin:** Ecuador. **other id:** D3K 37. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530863 **origin:** Ecuador. **other id:** D3K 38. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530864 **origin:** Ecuador. **other id:** D3K 39. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.
- PI 530865 **origin:** Ecuador. **other id:** D3K 40. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT-UN-FAO 1983. Seed.

PI 530826 to 530885-continued

- PI 530866 origin: Ecuador. other id: D3K 41. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530867 origin: Ecuador. other id: D3K 42. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530868 origin: Ecuador. other id: D3K 43. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530869 origin: Ecuador. other id: D3K 44. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530870 origin: Ecuador. other id: D3K 45. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530871 origin: Ecuador. other id: D3K 46. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530872 origin: Ecuador. other id: D3K 47. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530873 origin: Ecuador. other id: D3K 48. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530874 origin: Ecuador. other id: D3K 49. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530875 origin: Ecuador. other id: D3K 50. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530876 origin: Ecuador. other id: D3K 51. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530877 origin: Ecuador. other id: D3K 52. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.
- PI 530878 origin: Ecuador. other id: D3K 53. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT-UN-FAO 1983. Seed.

PI 530826 to 530885-continued

- PI 530879 **origin:** Galapagos Islands. **cultivar:** Percival & Wilson 1985. **pedigree:** PW-8 INDIFATIGABLE, GALAPAGOS ISLANDS. **collected:** 1985. **other id:** D3K 54. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530880 **origin:** Galapagos Islands. **pedigree:** PERCIIVAL & WILSON 1985, PW-13 INDIFATIGABLE, GALAPAGOS ISLANDS. **collected:** 1985. **other id:** D3K 55. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530881 **origin:** Galapagos Islands. **cultivar:** PERCIVAL & WILSON 1985. **pedigree:** PW-15 INDIFATIGABLE, GALAPAGOS ISLANDS. **collected:** 1985. **other id:** D3K 56. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530882 **origin:** Galapagos Islands. **pedigree:** PERCIVAL & WILSON 1985, PW-17 INDIFATIGABLE, GALAPAGOS ISLANDS. **collected:** 1985. **other id:** D3K 57. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530883 **origin:** Galapagos Islands. **cultivar:** PERCIVAL & WILSON 1985. **pedigree:** PW-19 INDIFATIGABLE, GALAPAGOS ISLANDS. **collected:** 1985. **other id:** D3K 58. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530884 **origin:** Galapagos Islands. **cultivar:** PERCIVAL & WILSON 1985. **pedigree:** PW-42 URVINA BAY ALBEMARLE, GALAPAGOS ISLANDS. **collected:** 1985. **other id:** D3K 59. **source:** Texas Wild Species Collection - Gossypium species. Seed.
- PI 530885 **origin:** Galapagos Islands. **pedigree:** PERCIVAL & WILSON 1985, PW-47 ELIZABETH BAY ALBEMARLE, GALAPAGOS ISLANDS. **collected:** 1985. **other id:** D3K 60. **source:** Texas Wild Species Collection - Gossypium species. Seed.

PI 530886 to 530897. *Gossypium aridum* (Rose & Standley) Skovsted  
MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium aridum* Numbered February 1989. Received February 1989.

- PI 530886 **origin:** Ecuador. **other id:** D4 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.
- PI 530887 **origin:** Ecuador. **other id:** D4 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.
- PI 530888 **origin:** Ecuador. **other id:** D4 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.



PI 530886 to 530897-continued

- PI 530889 origin: Ecuador. other id: D4 4. source: Texas Wild Species Collection - Gossypium species. Seed.
- PI 530890 origin: Ecuador. other id: D4 5. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT FRANCE 1982. Seed.
- PI 530891 origin: Ecuador. other id: D4 6. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT FRANCE 1982. Seed.
- PI 530892 origin: Ecuador. other id: D4 7. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT FRANCE 1982. Seed.
- PI 530893 origin: Ecuador. other id: D4 8. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT FRANCE 1982. Seed.
- PI 530894 origin: Ecuador. other id: D4 9. source: Texas Wild Species Collection - Gossypium species. remarks: IRCT FRANCE 1982. Seed.
- PI 530895 origin: Ecuador. other id: D4 10. source: Texas Wild Species Collection - Gossypium species. Seed.
- PI 530896 origin: Ecuador. other id: D4 11. source: Texas Wild Species Collection - Gossypium species. remarks: PERCIVAL & STEWART 1984. Seed.
- PI 530897 origin: Mexico. cultivar: P. FRYXELL 1986. collected: February 1986. other id: D4 12. source: Texas Wild Species Collection - Gossypium species. Seed.

PI 530898 to 530953. *Gossypium raimondii* Ulbr. MALVACEAE

Donated by: Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. remarks: Texas Wild Species Collection - *Gossypium raimondii* Numbered February 1989. Received February 1989.

- PI 530898 origin: Ecuador. other id: D5 1. source: Texas Wild Species Collection - Gossypium species. Seed.
- PI 530899 origin: Ecuador. other id: D5 2. source: Texas Wild Species Collection - Gossypium species. Seed.
- PI 530900 origin: Ecuador. other id: D5 3. source: Texas Wild Species Collection - Gossypium species. Seed.

PI 530898 to 530953-continued

- PI 530901 origin: Ecuador. other id: D5 4. source: Texas Wild Species Collection - Gossypium species. Seed.
- PI 530902 origin: Ecuador. other id: D5 5. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.
- PI 530903 origin: Ecuador. other id: D5 6. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.
- PI 530904 origin: Ecuador. other id: D5 7. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.
- PI 530905 origin: Peru. other id: D5 8. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.
- PI 530906 origin: Mexico. other id: D5 9. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.
- PI 530907 origin: Mexico. other id: D5 10. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.
- PI 530908 origin: Mexico. other id: D5 11. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.
- PI 530909 origin: Mexico. other id: D5 12. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.
- PI 530910 origin: Mexico. other id: D5 13. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.
- PI 530911 origin: Mexico. other id: D5 14. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.
- PI 530912 origin: Mexico. other id: D5 15. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.
- PI 530913 origin: Mexico. other id: D5 16. source: Texas Wild Species Collection - Gossypium species. remarks: SIMPSON & VREELAND 1983. Seed.

PI 530898 to 530953-continued

- PI 530914 **origin:** Mexico. **other id:** D5 17. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530915 **origin:** Mexico. **other id:** D5 18. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530916 **origin:** Mexico. **other id:** D5 19. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530917 **origin:** Peru. **other id:** D5 20. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530918 **origin:** Peru. **other id:** D5 21. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530919 **origin:** Peru. **other id:** D5 22. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530920 **origin:** Peru. **other id:** D5 23. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530921 **origin:** Peru. **other id:** D5 24. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530922 **origin:** Peru. **other id:** D5 25. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530923 **origin:** Peru. **other id:** D5 26. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530924 **origin:** Peru. **other id:** D5 27. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530925 **origin:** Peru. **other id:** D5 28. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.
- PI 530926 **origin:** Peru. **other id:** D5 29. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** SIMPSON & VREELAND 1983. Seed.

PI 530898 to 530953-continued

- PI 530927 origin: Peru. other id: D5 30. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530928 origin: Peru. other id: D5 31. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530929 origin: Peru. other id: D5 32. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530930 origin: Peru. other id: D5 33. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530931 origin: Peru. other id: D5 34. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530932 origin: Peru. other id: D5 35. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530933 origin: Peru. other id: D5 36. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530934 origin: Peru. other id: D5 37. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530935 origin: Peru. other id: D5 38. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530936 origin: Peru. other id: D5 39. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530937 origin: Peru. other id: D5 40. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530938 origin: Peru. other id: D5 41. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.
- PI 530939 origin: Peru. other id: D5 42. source: Texas Wild  
Species Collection - Gossypium species. remarks: SIMPSON  
& VREELAND 1983. Seed.

PI 530898 to 530953-continued

- PI 530940 **origin:** Peru. **other id:** D5 43. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530941 **origin:** Peru. **other id:** D5 44. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530942 **origin:** Peru. **other id:** D5 45. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530943 **origin:** Peru. **other id:** D5 46. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530944 **origin:** Peru. **other id:** D5 47. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530945 **origin:** Peru. **other id:** D5 48. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530946 **origin:** Peru. **other id:** D5 49. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530947 **origin:** Peru. **other id:** D5 50. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530948 **origin:** Peru. **other id:** D5 51. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530949 **origin:** Peru. **other id:** D5 52. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530950 **origin:** Peru. **other id:** D5 53. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530951 **origin:** Peru. **other id:** D5 54. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.
- PI 530952 **origin:** Peru. **other id:** D5 55. **source:** Texas Wild  
Species Collection - Gossypium species. **remarks:** SIMPSON  
& VREELAND 1983. Seed.

PI 530898 to 530953-continued

PI 530953 **origin:** Peru. **other id:** D5 56. **source:** Texas Wild Species Collection - *Gossypium* species. **remarks:** SIMPSON & VREELAND 1983. Seed.

PI 530954 to 530958. *Gossypium gossypoides* (Ulbr.) Standley MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium gossypoides* Numbered February 1989. Received February 1989.

PI 530954 **origin:** Peru. **other id:** D6 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530955 **origin:** Peru. **other id:** D6 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530956 **origin:** Peru. **other id:** D6 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530957 **origin:** Peru. **other id:** D6 4. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530958 **origin:** Peru. **other id:** D6 5. **source:** Texas Wild Species Collection - *Gossypium* species. **remarks:** KOCH & FRYXELL. Seed.

PI 530959 to 530962. *Gossypium lobatum* H. Gentry MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium lobatum* Numbered February 1989. Received February 1989.

PI 530959 **origin:** Mexico. **other id:** D7 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530960 **origin:** Peru. **other id:** D7 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530961 **origin:** Peru. **other id:** D7 3. **source:** Texas Wild Species Collection - *Gossypium* species. **remarks:** IRCT FRANCE 1983. Seed.

PI 530962 **origin:** Mexico. **pedigree:** REC'D AS *G. aridum*. **other id:** D7 4. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530963 to 530973. *Gossypium trilobum* (DC.) Skovsted MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium trilobum* Numbered February 1989. Received February 1989.

- PI 530963 **origin:** Peru. **other id:** D8 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.
- PI 530964 **origin:** Peru. **other id:** D8 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.
- PI 530965 **origin:** Peru. **other id:** D8 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.
- PI 530966 **origin:** Peru. **other id:** D8 4. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.
- PI 530967 **origin:** Peru. **other id:** D8 5. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.
- PI 530968 **origin:** Peru. **other id:** D8 6. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.
- PI 530969 **origin:** Peru. **other id:** D8 7. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.
- PI 530970 **origin:** Peru. **other id:** D8 8. **source:** Texas Wild Species Collection - *Gossypium* species. **remarks:** J M STEWART KNOX TENN 1979. Seed.
- PI 530971 **origin:** Peru. **other id:** D8 9. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.
- PI 530972 **origin:** Peru. **other id:** D8 10. **source:** Texas Wild Species Collection - *Gossypium* species. **remarks:** JULIO SANCHES. Seed.
- PI 530973 **origin:** Mexico. **cultivar:** J. WENDEL. **other id:** D8 11. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530974 to 530975. *Gossypium laxum* Phillips MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium laxum* Numbered February 1989. Received February 1989.

- PI 530974 **origin:** Peru. **other id:** D9 1. **source:** Texas Wild Species Collection - *Gossypium* species. **remarks:** IRCT FRANCE 1983. Seed.

PI 530974 to 530975-continued

PI 530975 **origin:** Peru. **other id:** D9 2. **source:** Texas Wild Species Collection - Gossypium species. **remarks:** IRCT FRANCE 1983. Seed.

PI 530976 to 530978. *Gossypium stocksii* Masters MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium stocksii* Numbered February 1989. Received February 1989.

PI 530976 **origin:** Saudi Arabia. **other id:** E1 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530977 **origin:** Saudi Arabia. **historical origin:** Saudi Arabia. **other id:** E1 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530978 **origin:** Saudi Arabia. **other id:** E1 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530979 to 530981. *Gossypium somalense* (Gurke) J. B. Hutch.  
MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium somalense* Numbered February 1989. Received February 1989.

PI 530979 **origin:** Mexico. **other id:** E2 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530980 **origin:** Saudi Arabia. **other id:** E2 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530981 **origin:** Mexico. **other id:** E2 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530982. *Gossypium areysianum* Defl. MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium areysianum* Numbered February 1989. Received February 1989.

**origin:** Mexico. **other id:** E3 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.



PI 530983 to 530985. *Gossypium incanum* (Schwartz) Hillc. MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium incanum* Numbered February 1989. Received February 1989.

PI 530983 **origin:** Mexico. **other id:** E4 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530984 **origin:** Saudi Arabia. **other id:** E4 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530985 **origin:** Mexico. **other id:** E4 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530986 to 530988. *Gossypium longicalyx* J. B. Hutch. & B. J. S. Lee  
MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium longicalyx* Numbered February 1989. Received February 1989.

PI 530986 **origin:** Mexico. **other id:** F1 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530987 **origin:** Mexico. **other id:** F1 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530988 **origin:** Mexico. **other id:** F1 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530989 to 530992. *Gossypium bickii* Prokh. MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium bickii* Numbered February 1989. Received February 1989.

PI 530989 **origin:** Australia. **other id:** G1 1. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530990 **origin:** Australia. **other id:** G1 2. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530991 **origin:** Australia. **other id:** G1 3. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530992 **origin:** Australia. **other id:** G1 4. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 530993. *Ipomoea obscura* (L.) Ker Gawler CONVOLVULACEAE

**Donated by:** De la Puente, F., Dept. of Genetic Resources, CIP, Lima, Peru. **remarks:** Received through IBPGR, Rome, Italy, and D.F. Austin, Florida Atlantic University, Boca, Raton, Florida. Received December 21, 1987.

**donor id:** CIP 460095. **origin:** Dominican Republic.  
**collector:** F. De La Puente. **collector id:** DLP 2984.  
**locality:** .7km SW of El Cacique, Santo Domingo.  
**latitude:** 18 deg. 28 min. S. **longitude:** 70 deg. 00 min. W.  
**elevation:** 7m. Wild. Seed.

PI 530994 to 530996. *Ipomoea tiliacea* (Willd.) Choisy CONVOLVULACEAE

**Donated by:** De la Puente, F., Dept. of Genetic Resources, CIP, Lima, Peru. **remarks:** Received through IBPGR, Rome, Italy, and D.F. Austin, Florida Atlantic University, Boca, Raton, Florida. Received December 21, 1987.

PI 530994 **donor id:** CIP 460086. **origin:** Dominican Republic.  
**collected:** November 13, 1987. **collector:** F. De La Puente. **collector id:** DLP 2972. **locality:** 5km NW of Bonao-Vega, Bonao. **latitude:** 19 deg. 02 min. S.  
**longitude:** 70 deg. 28 min. W. **elevation:** 220m. Wild. Seed.

PI 530995 **donor id:** CIP 460089. **origin:** Dominican Republic.  
**collector:** F. De La Puente. **collector id:** DLP 2981.  
**locality:** 35km SW of Nagua, San Francisco de Macoris, Duarte Province. **latitude:** 19 deg. 42 min. S.  
**longitude:** 69 deg. 58 min. W. **elevation:** 115m. Wild. Seed.

PI 530996 **donor id:** CIP 460092. **origin:** Dominican Republic.  
**collector:** F. De La Puente. **collector id:** DLP 2986.  
**locality:** 0.2km SW of El Canguilito, Haina, San Cristobal Province. **latitude:** 18 deg. 27 min. S. **longitude:** 70 deg. 06 min. W. **elevation:** 20m. Wild. Seed.

PI 530997 to 531002. *Ipomoea triloba* L. CONVOLVULACEAE

**Donated by:** De la Puente, F., Dept. of Genetic Resources, CIP, Lima, Peru. **remarks:** Received through IBPGR, Rome, Italy, and D.F. Austin, Florida Atlantic University, Boca, Raton, Florida. Received December 21, 1987.

PI 530997 to 531002-continued

- PI 530997 **donor id:** CIP 460084. **origin:** Dominican Republic.  
**collected:** November 12, 1987. **collector:** F. De La  
Puente. **collector id:** DLP 2966. **locality:** 0.5km E of  
Playa Juan-Dolio, San Pedro de Macoris Province.  
**latitude:** 18 deg. 26 min. S. **longitude:** 70 deg. 10 min.  
W. **elevation:** 40m. Wild. Seed.
- PI 530998 **donor id:** CIP 460088. **origin:** Dominican Republic.  
**collected:** November 14, 1987. **collector:** F. De La  
Puente. **collector id:** DLP 2977. **locality:** 5km E of  
Laguna Salada-Maizal, Esperanza, Valverde Province.  
**latitude:** 19 deg. 40 min. S. **longitude:** 71 deg. 10 min.  
W. **elevation:** 80m. Wild. Seed.
- PI 530999 **donor id:** CIP 460090. **origin:** Dominican Republic.  
**collected:** November 15, 1987. **collector:** F. De La  
Puente. **collector id:** DLP 2982. **locality:** 0.2km SW of  
Autopista 30 Mayo, Santo Domingo. **latitude:** 18 deg. 28  
min. S. **longitude:** 69 deg. 58 min. W. **elevation:** 5m.  
Wild. Seed.
- PI 531000 **donor id:** CIP 460091. **origin:** Dominican Republic.  
**collector:** F. De La Puente. **collector id:** DLP 2983.  
**locality:** 0.7km SW of El Cacique, Santa Domingo.  
**latitude:** 18 deg. 28 min. S. **longitude:** 70 deg. 00 min.  
W. **elevation:** 7m. Wild. Seed.
- PI 531001 **donor id:** CIP 460093. **origin:** Dominican Republic.  
**collector:** F. De La Puente. **collector id:** DLP 2987.  
**locality:** 0.1km N of Villa Las Americas, Santo Domingo.  
**latitude:** 18 deg. 32 min. S. **longitude:** 70 deg. 50 min.  
W. **elevation:** 40m. Wild. Seed.
- PI 531002 **donor id:** CIP 460096. **origin:** Dominican Republic.  
**collected:** November 15, 1987. **collector:** F. De La  
Puente. **collector id:** DLP 2985. **locality:** 2km SW of  
Santo Domingo- Santo Cristoba, Santo Cristoba Province.  
**latitude:** 18 deg. 28 min. S. **longitude:** 70 deg. 04 min.  
W. **elevation:** 15m. Wild. Seed.

PI 531003. *Ipomoea wrightii* A. Gray CONVOLVULACEAE

**Donated by:** De la Puente, F., Dept. of Genetic Resources, CIP, Lima, Peru. **remarks:** Received through IBPGR, Rome, Italy, and D.F. Austin, Florida Atlantic University, Boca, Raton, Florida. Received December 21, 1987.

PI 531003-continued

**donor id:** CIP 460094. **origin:** Dominican Republic.  
**collector:** F. De La Puente. **collector id:** DLP 2975.  
**locality:** 5km SE of Monte Cristi, Montecristi Province.  
**latitude:** 19 deg. 45 min. S. **longitude:** 71 deg. 40 min.  
W. **elevation:** 10m. Wild. Seed.

PI 531004 to 531005. *Triticum aestivum* L. POACEAE Common wheat

**Donated by:** Frohberg, R., Crop and Weed Science Department, North Dakota State University, Box 5051, Fargo, North Dakota, United States. Received February 27, 1989.

PI 531004 **donor id:** 618. **origin:** United States. **cultivar:** GUS.  
**pedigree:** ND527/Coteau sib//Era. **remarks:** Plants semi dwarf, mid-maturity. Spikes awned, fusiform, mid-lax, erect. Kernels red, midlong, hard, ovate, cheeks angular. Lodging above average. Test weight 26.0kg per bushel, yield 113.5 bushels per hectare. Grain protein 16.3%. Adaptation spring wheat region of the upper midwest. Recommended for SE North Dakota. **disease resistance:** Field resistance to stem rust (*Puccinia graminis*). Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.

PI 531005 **donor id:** 626. **origin:** United States. **cultivar:** GRANDIN. **pedigree:** Len//Butte\*2/ND507/3/ND593. **remarks:** Plants semi dwarf, early maturity. Spikes awned, tapering to fusiform, mid-lax, erect. Kernels, red, short, hard, ovate, cheeks angular. Lodging average. Shattering resistance high. Test weight 27.0kg per bushel, yield 99.3 bushels per hectare. Adaptation spring wheat region of the upper midwest. Recommended for SE North Dakota. **disease resistance:** Moderate-to-moderately susceptible to leaf rust. Moderate to stem rust (*Puccinia graminis*). Spring Annual. Cultivated. Seed.

PI 531006. *Gossypium aridum* (Rose & Standley) Skovsted MALVACEAE

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Wild Species Collection - *Gossypium* species Numbered February 1989. Received February 25, 1988.

**origin:** Mexico. **cultivar:** A.E. PERCIVAL. **collected:** February 25, 1988. **other id:** D4 13. **source:** Texas Wild Species Collection - *Gossypium* species. Seed.

PI 531007 to 531008. *Gossypium hirsutum* L. MALVACEAE Upland cotton

**Donated by:** Percival, A.E., Cotton Collection, USDA-ARS, P.O. Box DN, College Station, Texas, United States. **remarks:** Texas Race Collection - *Gossypium hirsutum* Numbered February 1989. Received 1959.

PI 531007 **origin:** Trinidad and Tobago. **pedigree:** H 1 STEPHENS COLL. **collected:** 1959. **other id:** TEX 831. **source:** Texas Race Collection - *Gossypium hirsutum*. **locality:** Mount St. Benedict. **remarks:** Roadside at entrance to swimming pool; with ornamentals. Seed.

PI 531008 **origin:** Guadeloupe. **cultivar:** S.G. STEPHENS. **pedigree:** H 69 STEPHENS COLL. **collected:** 1959. **other id:** TEX 868. **source:** Texas Race Collection - *Gossypium hirsutum*. **locality:** Ste. Anne, hedgerow. **remarks:** Green tufted. Seed.

PI 531009 to 531036. *Helianthus annuus* L. ASTERACEAE Sunflower

**Donated by:** Seiler, G., Conservation and Production Res. Lab., USDA-ARS, P.O. Drawer 10, Bushland, Texas, United States. Received July 14, 1988.

PI 531009 **donor id:** 1963. **origin:** United States. **collected:** September 01, 1987. **collector:** G. Seiler, J. Pomeroy, & R. Marinkovic. **collector id:** 1963. **other id:** Ames 7938. **group:** Ames. **locality:** Rocky soil, disturbed area by beach house near Bear lake, 6.4km N of Garden City, Hwy 30 N, Rich County. **latitude:** 41 deg. 57 min. N. **longitude:** 111 deg. 24 min. W. **remarks:** Population 50 plants. Typical. Stems red. Some insect damage. Annual. Wild. Seed.

PI 531010 **donor id:** 1964. **origin:** United States. **collected:** September 02, 1987. **collector:** G. Seiler, J. Pomeroy, & R. Marinkovic. **collector id:** 1964. **other id:** Ames 7939. **group:** Ames. **locality:** Rocky roadside ditch, 32km NW of Blackfoot, Hwy 26W, Bingham County. **latitude:** 43 deg. 13 min. N. **longitude:** 112 deg. 20 min. W. **remarks:** Population 120 plants. Typical. Severe rust problem. Annual. Wild. Seed.

PI 531011 **donor id:** 1965. **origin:** United States. **collected:** September 02, 1987. **collector:** G. Seiler, J. Pomeroy, & R. Marinkovic. **collector id:** 1965. **other id:** Ames 7940. **group:** Ames. **locality:** Rocky roadside ditch, near lava beds, 42.2km SW of Arco, Hwys 20, 26, and 93, Blaine County. **latitude:** 43 deg. 38 min. N. **longitude:** 113 deg. 18 min. W. **remarks:** Population 80 plants. Some insect damage, slight rust on leaves. Annual. Wild. Seed.

PI 531009 to 531036-continued

- PI 531012 **donor id:** 1967. **origin:** United States. **collected:** September 02, 1987. **collector:** G. Seiler, J. Pomeroy, & R. Marinkovic. **collector id:** 1967. **other id:** Ames 7942. **group:** Ames. **locality:** Rocky soil, roadside ditch, 2.4km S of Shoshone, Hwy 75S, Lincoln County. **latitude:** 42 deg. 57 min. N. **longitude:** 114 deg. 25 min. W. **remarks:** Population 150 plants. Typical. Stems white. Some insect damage to heads, slight rust on leaves. Aphids on leaves. Annual. Wild. Seed.
- PI 531013 **donor id:** 1968. **origin:** United States. **collected:** September 02, 1987. **collector:** G. Seiler, J. Pomeroy, & R. Marinkovic. **collector id:** 1968. **other id:** Ames 7943. **group:** Ames. **locality:** Rocky roadside ditch, edge of pasture, 11.2km N of Hagerman, Hwy 30N, Gooding County. **latitude:** 42 deg. 50 min. N. **longitude:** 114 deg. 55 min. W. **remarks:** Population 70 plants. Typical. Stems red. Severe rust on leaves. Some insect damage. Annual. Wild. Seed.
- PI 531014 **donor id:** 1969. **origin:** United States. **collected:** September 02, 1987. **collector:** G. Seiler, J. Pomeroy, & R. Marinkovic. **collector id:** 1969. **other id:** Ames 7944. **group:** Ames. **locality:** Edge of irrigation ditch of roadside, 24km S of Nampa, intersection of Hwys 45 and 78, Owyhee County. **latitude:** 43 deg. 35 min. N. **longitude:** 116 deg. 34 min. W. **remarks:** Population 100 plants. Typical. Some insect damage. Annual. Wild. Seed.
- PI 531015 **donor id:** 1970. **origin:** United States. **collected:** September 03, 1987. **collector:** G. Seiler, J. Pomeroy, & R. Marinkovic. **collector id:** 1970. **other id:** Ames 7945. **group:** Ames. **locality:** Roadside ditch, near rangeland, 41.6km WSW of Jordan Valley, Hwy 95W, Malheur County. **latitude:** 42 deg. 50 min. N. **longitude:** 117 deg. 30 min. W. **remarks:** Population 75 plants. Aphids present on some plants. Slight rust on leaves. Head diameter smaller than previous annuus collections. Annual. Wild. Seed.
- PI 531016 **donor id:** 1975. **origin:** United States. **collected:** September 04, 1987. **collector:** G. Seiler, J. Pomeroy, & R. Marinkovic. **collector id:** 1975. **other id:** Ames 7950. **group:** Ames. **locality:** Rocky soil, slope of Columbia River, roadside ditch, 1.6km W of Wishram Heights, Hwy 14E, Klickitat County. **latitude:** 45 deg. 40 min. N. **longitude:** 120 deg. 59 min. W. **remarks:** Population 15 plants. Peak flowering period, no rust. Grasshopper damage and 2-4D spray damage. Annual. Wild. Seed.

PI 531009 to 531036-continued

- PI 531017 **donor id:** 1977. **origin:** United States. **collected:** September 04, 1987. **collector:** G. Seiler, J. Pomeroy, & R. Marinkovic. **collector id:** 1977. **other id:** Ames 7952. **group:** Ames. **locality:** Disturbed moist roadside ditch, 14.7km W of Mabton, Hwy 22W, Yakima County. **latitude:** 46 deg. 14 min. N. **longitude:** 120 deg. 01 min. W. **remarks:** Population 15 plants. Plants typical but very tall and branched with heads smaller in diameter. Some insect damage. Annual. Wild. Seed.
- PI 531018 **donor id:** 1978. **origin:** United States. **collected:** September 07, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1978. **other id:** Ames 7953. **group:** Ames. **locality:** Rocky soil, steep roadside ditch, edge of orchard, 2.5km NW of Cashmere, Hwy 2 and Hwy 97NE, Chelan County. **latitude:** 47 deg. 31 min. N. **longitude:** 120 deg. 29 min. W. **remarks:** Population 50 plants. Plants tall, very branched. Heads with large diameter. Seed set good. Some insect (selema) damage. Annual. Wild. Seed.
- PI 531019 **donor id:** 1979. **origin:** United States. **collected:** September 07, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1979. **other id:** Ames 7954. **group:** Ames. **locality:** Along railroad tracks, disturbed roadside ditch, near Columbia River, 3.2km SE of Rock Island, Hwy 28E, Douglas County. **latitude:** 47 deg. 23 min. N. **longitude:** 120 deg. 08 min. W. **remarks:** Population 20 plants. Plants shorter, not as branched. Heads smaller than typical annuus. Some insect (selema) damage. Annual. Wild. Seed.
- PI 531020 **donor id:** 1980. **origin:** United States. **collected:** September 07, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1980. **other id:** Ames 7955. **group:** Ames. **locality:** Roadside ditch, edge of sagebrush rangeland, 33km NE of Soap Lake, Hwy 17E, Grant County. **latitude:** 47 deg. 23 min. N. **longitude:** 119 deg. 29 min. W. **remarks:** Population 50 plants. Plants shorter, branched. Heads smaller diameter. Annual. Wild. Seed.
- PI 531021 **donor id:** 1981. **origin:** United States. **collected:** September 08, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1981. **other id:** Ames 7956. **group:** Ames. **locality:** Rocky soil along railroad tracks, near rangeland by Clark's Fork River, 21.1km NW of Plains, Hwy 200W, Sanders County. **latitude:** 47 deg. 30 min. N. **longitude:** 115 deg. 15 min. W. **remarks:** Population 50 plants. Plants tall. Heads with large diameter. Seed set good. Annual. Wild. Seed.

PI 531009 to 531036-continued

- PI 531022 donor id: 1983. origin: United States. collected: September 08, 1987. collector: G. Seiler, R. Marinkovic. collector id: 1983. other id: Ames 7958. group: Ames. locality: Gravelly soil, roadside ditch near sagebrush rangeland, 16.6km W of Elmo, Hwy 28W, Flathead County. latitude: 47 deg. 48 min. N. longitude: 114 deg. 26 min. W. remarks: Population 30 plants. Plants short, dark green. Heads large. Bracts wide. Severe aphid damage, no rust. Annual. Wild. Seed.
- PI 531023 donor id: 1984. origin: United States. collected: September 09, 1987. collector: G. Seiler, R. Marinkovic. collector id: 1984. other id: Ames 7959. group: Ames. locality: Roadside ditch, 24km NW of Sula, Hwy 93N, Ravalli County. latitude: 45 deg. 50 min. N. longitude: 113 deg. 59 min. W. remarks: Population 15 plants. Plants tall. Bracts dark green, narrow, pubescent. Annual. Wild. Seed.
- PI 531024 donor id: 1985. origin: United States. collected: September 09, 1987. collector: G. Seiler, R. Marinkovic. collector id: 1985. other id: Ames 7960. group: Ames. locality: Rocky gravelly soil of roadside ditch near Salmon River, just N of North Fork, Nwy 93S, Lemhi County. latitude: 45 deg. 25 min. N. longitude: 113 deg. 59 min. W. remarks: Population 15 plants. Plants tall, robust, very branched. Heads large. Seed set good. Annual. Wild. Seed.
- PI 531025 donor id: 1990. origin: United States. collected: September 09, 1987. collector: G. Seiler, R. Marinkovic. collector id: 1990. other id: Ames 7965. group: Ames. locality: Sandy soil, large disturbed area, possibly an abandoned field 11.2km E of Howe, Hwy 33E, Butte County. latitude: 43 deg. 47 min. N. longitude: 113 deg. 00 min. W. remarks: Population 100 plants. Seed set good. Annual. Wild. Seed.
- PI 531026 donor id: 1991. origin: United States. collected: September 09, 1987. collector: G. Seiler, R. Marinkovic. collector id: 1991. other id: Ames 7966. group: Ames. locality: Disturbed rocky roadside ditch, 4.8 E of Butte City, Hwy 20E and 26E, Butte County. latitude: 43 deg. 32 min. N. longitude: 113 deg. 16 min. W. remarks: Population 10 plants. Plants shorter than usual. Heads with smaller diameter. Bracts dark green. Annual. Wild. Seed.



PI 531009 to 531036-continued

- PI 531027 **donor id:** 1992. **origin:** United States. **collected:** September 09, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1992. **other id:** Ames 7967. **group:** Ames. **locality:** Rocky roadside ditch, edge of sagebrush rangeland, 48km W of Idaho Falls, Hwy 20W, Bingham County. **latitude:** 43 deg. 40 min. N. **longitude:** 112 deg. 01 min. W. **remarks:** Population 10 plants. Plants short. Bracts dark green, narrow, pubescent. Annual. Wild. Seed.
- PI 531028 **donor id:** 1993. **origin:** United States. **collected:** September 09, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1993. **other id:** Ames 7968. **group:** Ames. **locality:** Gravelly soil of roadside ditch, near cultivated land, 16km W of Idaho Falls, Hwy 20W, Bonneville County. **latitude:** 43 deg. 40 min. N. **longitude:** 112 deg. 01 min. W. **remarks:** Population 10 plants. Typical. Plants tall and branched. Extensive rust damage. Annual. Wild. Seed.
- PI 531029 **donor id:** 1994. **origin:** United States. **collected:** September 10, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1994. **other id:** Ames 7969. **group:** Ames. **locality:** Disturbed gravelly soil along railroad tracks, 4.8km SW of St. Anthony, Hwy 20S, Fremont County. **latitude:** 43 deg. 59 min. N. **longitude:** 111 deg. 40 min. W. **remarks:** Population 15 plants. Bracts dark green, narrower than usual. Aphids present. Annual. Wild. Seed.
- PI 531030 **donor id:** 1995. **origin:** United States. **collected:** September 10, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1995. **other id:** Ames 7970. **group:** Ames. **locality:** Disturbed gravelly soil along railroad tracks, 11.2km SW of Aston, Hwy 20S, Fremont County. **latitude:** 44 deg. 08 min. N. **longitude:** 111 deg. 27 min. W. **remarks:** Population 45 plants. Typical. Plants branched. Aphids present. Annual. Wild. Seed.
- PI 531031 **donor id:** 1998. **origin:** United States. **collected:** September 10, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1998. **other id:** Ames 7973. **group:** Ames. **locality:** Disturbed gravelly soil of roadside ditch, 7.4km NW of Silver Star, Hwy 41N, Silver Bow County. **latitude:** 45 deg. 41 min. N. **longitude:** 112 deg. 17 min. W. **remarks:** Population 15 plants. Annual. Wild. Seed.

PI 531009 to 531036-continued

- PI 531032 **donor id:** 2002. **origin:** United States. **collected:** September 10, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 2002. **other id:** Ames 7977. **group:** Ames. **locality:** Disturbed gravelly soil of roadside ditch, 14.4km E of Harlowton, Hwy 12W, Wheatland County. **latitude:** 46 deg. 18 min. N. **longitude:** 109 deg. 30 min. W. **remarks:** Population 25 plants. Typical. Rust present. Anthocyanin present in stems and petioles. Annual. Wild. Seed.
- PI 531033 **donor id:** 2003. **origin:** United States. **collected:** September 11, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 2003. **other id:** Ames 7978. **group:** Ames. **locality:** Disturbed gully of roadside ditch, 4.8km N of Billings, Hwy 87N, Yellowstone County. **latitude:** 45 deg. 43 min. N. **longitude:** 108 deg. 44 min. W. **remarks:** Population 20 plants. Leaves stiff, scabrous, dark green and rounded. Few *H. petiolaris* nearby, possible cross. Annual. Wild. Seed.
- PI 531034 **donor id:** 2005. **origin:** United States. **collected:** September 11, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 2005. **other id:** Ames 7980. **group:** Ames. **locality:** Disturbed gravelly roadside ditch, 25.6km S of Roundup Hwy 87S, Musselshell County. **latitude:** 46 deg. 12 min. N. **longitude:** 108 deg. 26 min. W. **remarks:** Population 25 plants. Plants tall and branched. Anthocyanin concentration high. Aphids present. Some rust damage. Annual. Wild. Seed.
- PI 531035 **donor id:** 2006. **origin:** United States. **collected:** September 11, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 2006. **other id:** Ames 7981. **group:** Ames. **locality:** Disturbed gravelly roadside ditch, 16km N of Roundup, Hwy 87N, Musselshell County. **latitude:** 46 deg. 36 min. N. **longitude:** 108 deg. 32 min. W. **remarks:** Population 100 plants. Annual. Wild. Seed.
- PI 531036 **donor id:** 2008. **origin:** United States. **collected:** September 11, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 2008. **other id:** Ames 7983. **group:** Ames. **locality:** Disturbed gravelly roadside ditch, 8.8km W of Sand Springs, Hwy 200E, Garfield County. **latitude:** 47 deg. 06 min. N. **longitude:** 107 deg. 30 min. W. **remarks:** Population 50 plants. Plants short, very branched. Bracts dark green. Leaves scabrous. Not rust or aphids. Annual. Wild. Seed.

PI 531037 to 531040. *Helianthus cusickii* A. Gray ASTERACEAE  
Parsnip-root sunflower

**Donated by:** Seiler, G., Conservation and Production Res. Lab.,  
USDA-ARS, P.O. Drawer 10, Bushland, Texas, United States. Received  
July 14, 1988.

PI 531037 **donor id:** 1972. **origin:** United States. **collected:**  
September 03, 1987. **collector:** G. Seiler, J. Pomeroy, R.  
Marinkovic. **collector id:** 1972. **other id:** Ames 7947.  
**group:** Ames. **locality:** Steep rocky clay slope, 42.4km E  
of Mitchell off Hwy 26 E (Milepost 92), Picture Gorge  
Monument, Wheeler County. **latitude:** 44 deg. 50 min. N.  
**longitude:** 118 deg. 40 min. W. **remarks:** Population 25  
plants. Plants shorter than normal. Seed set poor or  
shattered previous to collection. Perennial. Wild.  
Seed.

PI 531038 **donor id:** 1973. **origin:** United States. **collected:**  
September 03, 1987. **collector:** G. Seiler, J. Pomeroy, R.  
Marinkovic. **collector id:** 1973. **other id:** Ames 7948.  
**group:** Ames. **locality:** Steep rocky clay slope, edge of  
pine woods, 40km W of Mitchell off Hwy 26, then 1.8km W  
of Little Hay Creek Rd., Crook County. **latitude:** 44 deg.  
38 min. N. **longitude:** 120 deg. 10 min. W. **remarks:**  
Population 8 plants. Rhizomes large, woody. Perennial.  
Wild. Rhizome.

PI 531039 **donor id:** 1974. **origin:** United States. **collected:**  
September 04, 1987. **collector:** G. Seiler, J. Pomeroy, R.  
Marinkovic. **collector id:** 1974. **other id:** Ames 7949.  
**group:** Ames. **locality:** Steep red clay slope of roadside  
ditch, 16km NNE of Warm Springs, Reservation Hwy 3, Wasco  
County. **latitude:** 44 deg. 47 min. N. **longitude:** 121  
deg. 18 min. W. **remarks:** Population 20 plants. Leaves  
very narrow, not typical. Rhizomes large, woody. Heads  
sticky (latex). Perennial. Wild. Seed.

PI 531040 **donor id:** 1976. **origin:** United States. **collected:**  
September 04, 1987. **collector:** G. Seiler, J. Pomeroy, R.  
Marinkovic. **collector id:** 1976. **other id:** Ames 7951.  
**group:** Ames. **locality:** Steep rocky clay slope, roadside  
cut; S facing slope above Columbia River, 4.8km W of  
Roosevelt on Hwy 14E, then 0.3km N on D.O.T. Rd.,  
Klickitati County. **latitude:** 45 deg. 45 min. N.  
**longitude:** 120 deg. 12 min. W. **remarks:** Population  
scattered, 25 plants, much past flowering. Roots typical,  
some large and woody. No associated species. Perennial.  
Wild. Seed.

PI 531041 to 531042. *Helianthus maximiliani* Schrader ASTERACEAE  
Maximilian sunflower

**Donated by:** Seiler, G., Conservation and Production Res. Lab.,  
USDA-ARS, P.O. Drawer 10, Bushland, Texas, United States. Received  
July 14, 1988.

PI 531041 **donor id:** 2007. **origin:** United States. **collected:**  
September 11, 1987. **collector:** G. Seiler, R. Marinkovic.  
**collector id:** 2007. **other id:** Ames 7982. **group:** Ames.  
**locality:** Moist area by creek, 33.6km SW of Winnett, Hwy  
244S, Petroleum County. **latitude:** 47 deg. 00 min. N.  
**longitude:** 108 deg. 21 min. W. **remarks:** Population 10  
plants. Leaves wider than normal. No rust or aphids.  
Perennial. Wild. Seed.

PI 531042 **donor id:** 2010. **origin:** United States. **collected:**  
September 11, 1987. **collector:** G. Seiler, R. Marinkovic.  
**collector id:** 2010. **other id:** Ames 7985. **group:** Ames.  
**locality:** Moist area along railroad right-of-way, 4.8km  
NW of Glendive, Hwy 200S, Dawson County. **latitude:** 47  
deg. 08 min. N. **longitude:** 104 deg. 42 min. W. **remarks:**  
Population 25 plants. Leaves wider than other  
collections, folded and rolled lengthwise. Slight rust on  
leaves. Perennial. Wild. Seed.

PI 531043 to 531054. *Helianthus nuttallii* Torrey & A. Gray subsp.  
*nuttallii* ASTERACEAE Nuttall's sunflower

**Donated by:** Seiler, G., Conservation and Production Res. Lab.,  
USDA-ARS, P.O. Drawer 10, Bushland, Texas, United States. Received  
July 14, 1988.

PI 531043 **donor id:** 1962. **origin:** United States. **collected:**  
September 01, 1987. **collector:** G. Seiler, J. Pomeroy, R.  
Marinkovic. **collector id:** 1962. **other id:** Ames 7937.  
**group:** Ames. **locality:** Along rocky creek, moist soil,  
0.8km SE of Rock River Hwy 30-287NW, Albany County.  
**latitude:** 41 deg. 46 min. N. **longitude:** 105 deg. 59 min.  
W. **remarks:** Population 75 plants. Leaves narrower than  
normal. Seed set good. Some seed weevil larvae.  
Perennial. Wild. Seed.

PI 531044 **donor id:** 1966. **origin:** United States. **collected:**  
September 02, 1987. **collector:** G. Seiler, J. Pomeroy, R.  
Marinkovic. **collector id:** 1966. **other id:** Ames 7941.  
**group:** Ames. **locality:** Sandy loam soil, low area near  
stream, 14.4km NE of Cary, Hwys 20, 26, and 93NE, Blaine  
County. **latitude:** 43 deg. 20 min. N. **longitude:** 113  
deg. 50 min. W. **remarks:** Population very large, 200  
plants. Plants up to 1.5m tall. Typical. No rust.  
Perennial. Wild. Seed.

PI 531043 to 531054-continued

- PI 531045 **donor id:** 1971. **origin:** United States. **collected:** September 03, 1987. **collector:** G. Seiler, J. Pomeroy, R. Marinkovic. **collector id:** 1971. **other id:** Ames 7946. **group:** Ames. **locality:** Edge of small creek by Bannok War Historical Marker, 64km WSW of Jordan Valley, Hwy 95W, Malheur County. **latitude:** 42 deg. 40 min. N. **longitude:** 117 deg. 50 min. W. **remarks:** Population 75 plants. Plants large. Lower leaves wide. Insect damage to rootstocks and leaves. Perennial. Wild. Seed.
- PI 531046 **donor id:** 1986. **origin:** United States. **collected:** September 09, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1986. **other id:** Ames 7961. **group:** Ames. **locality:** Clay loam soil, standing water of roadside stream, 4.8km N of Salmon, Hwy 93N, Lemhi County. **latitude:** 45 deg. 11 min. N. **longitude:** 113 deg. 55 min. W. **remarks:** Population 75 plants. Plants tall, somewhat branched. Seed set good. Perennial. Wild. Seed.
- PI 531047 **donor id:** 1987. **origin:** United States. **collected:** September 09, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1987. **other id:** Ames 7962. **group:** Ames. **locality:** Edge of small stream in ditch leading to Lemhi River, 12km N of Tendoy, Hwy 28N, Lemhi County. **latitude:** 44 deg. 59 min. N. **longitude:** 113 deg. 37 min. W. **remarks:** Population 20 small plants. Plants robust. Stems red. Lower leaves large, upper leaves mostly narrow. Perennial. Wild. Seed.
- PI 531048 **donor id:** 1988. **origin:** United States. **collected:** September 09, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1988. **other id:** Ames 7963. **group:** Ames. **locality:** Standing water of stream of roadside ditch, 9.6km S of Lemhi, Hwy 28S, Lemhi County. **latitude:** 44 deg. 52 min. N. **longitude:** 113 deg. 37 min. W. **remarks:** Population 100 large plants. Plants robust. Stems red. Perennial. Wild. Seed.
- PI 531049 **donor id:** 1989. **origin:** United States. **collected:** September 09, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 1989. **other id:** Ames 7964. **group:** Ames. **locality:** Standing water of roadside ditch stream, 7.5km E of Leadore, Hwy 28N, Lemhi County. **latitude:** 44 deg. 40 min. N. **longitude:** 113 deg. 23 min. W. **remarks:** Population 100 large plants. Typical. Stems red. Perennial. Wild. Seed.

PI 531043 to 531054-continued

- PI 531050 donor id: 1996. origin: United States. collected: September 10, 1987. collector: G. Seiler, R. Marinkovic. collector id: 1996. other id: Ames 7971. group: Ames. locality: Moist area in ditch alongside railroad right-of-way, 8km SE of Sheridan, Hwy 287S, Madison County. latitude: 45 deg. 27 min. N. longitude: 112 deg. 12 min. W. remarks: Population 100 plants. Stems robust, red. Perennial. Wild. Seed.
- PI 531051 donor id: 1997. origin: United States. collected: September 10, 1987. collector: G. Seiler, R. Marinkovic. collector id: 1997. other id: Ames 7972. group: Ames. locality: Near standing water of roadside ditch, near railroad right-of-way, 3.2km N of Twin Bridges, Hwy 41N, Madison County. latitude: 45 deg. 33 min. N. longitude: 112 deg. 20 min. W. remarks: Population 100 plants. Typical. Some leaf damage, no rust or aphids. Perennial. Wild. Seed.
- PI 531052 donor id: 1999. origin: United States. collected: September 10, 1987. collector: G. Seiler, R. Marinkovic. collector id: 1999. other id: Ames 7974. group: Ames. locality: Moist grassy area, along ditch by railroad tracks, 4km S of Townsend, Hwy 2875, Broadwater County. latitude: 46 deg. 20 min. N. longitude: 111 deg. 30 min. W. remarks: Population 100 plants. Typical. Stems red, branched above. Perennial. Wild. Seed.
- PI 531053 donor id: 2000. origin: United States. collected: September 10, 1987. collector: G. Seiler, R. Marinkovic. collector id: 2000. other id: Ames 7975. group: Ames. locality: Edge of stream in water, roadside ditch, 14.4km S of White Sulphur, Jct. Hwy 12 and Hwy 89S, Meagher County. latitude: 46 deg. 32 min. N. longitude: 110 deg. 55 min. W. remarks: Population 150 plants. Plants typical, branched above. Perennial. Wild. Seed.
- PI 531054 donor id: 2001. origin: United States. collected: September 10, 1987. collector: G. Seiler, R. Marinkovic. collector id: 2001. other id: Ames 7976. group: Ames. locality: Near spring area, roadside ditch, 32km W of Harlowtown, Hwy 12W, Wheatland County. latitude: 46 deg. 22 min. N. longitude: 110 deg. 34 min. W. remarks: Population small, 50 plants, localized, much past flowering. Plants shorter than normal. Stems red. No rust or insect damage. Perennial. Wild. Seed.

PI 531055 to 531058. *Helianthus petiolaris* subsp. *petiolaris*  
ASTERACEAE

**Donated by:** Seiler, G., Conservation and Production Res. Lab.,  
USDA-ARS, P.O. Drawer 10, Bushland, Texas, United States. Received  
July 14, 1988.

PI 531055 **donor id:** 1982. **origin:** United States. **collected:**  
September 08, 1987. **collector:** G. Seiler, R. Marinkovic.  
**collector id:** 1982. **other id:** Ames 7957. **group:** Ames.  
**locality:** Sandy, rocky soil, along roadside ditch, 4.8km  
NE of Plains, Hwy 28E, Sanders County. **latitude:** 47 deg.  
28 min. N. **longitude:** 114 deg. 51 min. W. **remarks:**  
Population scattered, 20 plants past flowering. Atypical.  
Central bracts white, longer and wider than usual.  
Perhaps cross with *annuus*. Annual. Wild. Seed.

PI 531056 **donor id:** 2004. **origin:** United States. **collected:**  
September 11, 1987. **collector:** G. Seiler, R. Marinkovic.  
**collector id:** 2004. **other id:** Ames 7979. **group:** Ames.  
**locality:** Sandy soil of roadside ditch, 7.2km N of  
Billings, Hwy 87N, Yellowstone County. **latitude:** 48 deg.  
50 min. N. **longitude:** 108 deg. 44 min. W. **remarks:**  
Population 150 plants. Typical. Severe rust problem.  
Annual. Wild. Seed.

PI 531057 **donor id:** 2009. **origin:** United States. **collected:**  
September 11, 1987. **collector:** G. Seiler, R. Marinkovic.  
**collector id:** 2009. **other id:** Ames 7984. **group:** Ames.  
**locality:** Disturbed sandy soil of roadside ditch, 30.5km  
W of Jordan, Hwy 200W, Garfield County. **latitude:** 47  
deg. 20 min. N. **longitude:** 106 deg. 55 min. W. **remarks:**  
Population 200 plants. Head diameter small. Free of rust  
and aphids. Annual. Wild. Seed.

PI 531058 **donor id:** 2011. **origin:** United States. **collected:**  
September 12, 1987. **collector:** G. Seiler, R. Marinkovic.  
**collector id:** 2011. **other id:** Ames 7986. **group:** Ames.  
**locality:** Sandy roadside ditch, 9.6km W of Walcott, Hwy  
46W, Richland County. **latitude:** 46 deg. 32 min. N.  
**longitude:** 96 deg. 58 min. W. **remarks:** Population 150  
plants. Typical. Chaff white, center of heads. Branched.  
Annual. Wild. Seed.

PI 531059. *Helianthus pumilus* Nutt. ASTERACEAE Dwarf sunflower

**Donated by:** Seiler, G., Conservation and Production Res. Lab.,  
USDA-ARS, P.O. Drawer 10, Bushland, Texas, United States. Received  
July 14, 1988.

PI 531059-continued

**donor id:** 1961. **origin:** United States. **collected:** September 01, 1987. **collector:** G. Seiler, J. Pomeroy, R. Marinkovic. **collector id:** 1961. **other id:** Ames 7936. **group:** Ames. **locality:** Rocky soil, roadside, 19.2km W of Cheyenne, Hwy I-80W, Laramie County. **latitude:** 41 deg. 08 min. N. **longitude:** 104 deg. 50 min. W. **remarks:** Population 60 plants. Typical. Rootstocks weak with no large rhizomes. Seed set good. Perennial. Wild. Seed.

PI 531060. *Helianthus rigidus* subsp. *subrhomboides* (Rydb.) Heiser  
ASTERACEAE Stiff sunflower

**Donated by:** Seiler, G., Conservation and Production Res. Lab., USDA-ARS, P.O. Drawer 10, Bushland, Texas, United States. Received July 14, 1988.

**donor id:** 2012. **origin:** United States. **collected:** September 12, 1987. **collector:** G. Seiler, R. Marinkovic. **collector id:** 2012. **other id:** Ames 7987. **group:** Ames. **locality:** Sandy roadside ditch, mixed with grasses, 8.0km W of Walcott, Hwy 46W, Richland County. **latitude:** 46 deg. 32 min. N. **longitude:** 96 deg. 48 min. W. **remarks:** Population large, 100 plants, scattered, past flowering. Plants branched above. Stems and leaves possess anthocyanin. No rust or aphids. Perennial. Wild. Seed.

PI 531061 to 531066. *Hordeum vulgare* L. POACEAE Barley

**Donated by:** Giles, R.J., Plant Breeding International, Maris Lane, Trumpington, Cambridge CB22LG, England, United Kingdom. **remarks:** J.G. Moseman, Germplasm Quality and Enhancement Lab, USDA-ARS, Beltsville, Maryland. Received October 1985.

PI 531061 **donor id:** 18240. **origin:** United Kingdom. **cultivar:** CARNIVAL. **pedigree:** Trumpf/Bulbeck. **disease resistance:** High to powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivar. Seed.

PI 531062 **donor id:** 18542. **origin:** United Kingdom. **cultivar:** HALCYON. **pedigree:** Warboys/Maris Otter. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Leaf rust. (*Puccinia recondita*). Winter Annual. Cultivar. Seed.

PI 531063 **donor id:** 18546. **origin:** United Kingdom. **cultivar:** EDEN. **pedigree:** Katy/Sonja. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Winter Annual. Cultivar. Seed.



PI 531061 to 531066-continued

- PI 531064 **donor id:** 18613. **origin:** United Kingdom. **cultivar:** JETHRO. **pedigree:** Igri/Warboys. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Winter Annual. Cultivar. Seed.
- PI 531065 **donor id:** 18614. **origin:** United Kingdom. **cultivar:** HOMER. **pedigree:** Igri/HJ 51-15-3. **disease resistance:** High to powdery mildew (*Erysiphe graminis*). Leaf rust (*Puccinia recondita*). Winter Annual. Cultivar. Seed.
- PI 531066 **donor id:** 18615. **origin:** United Kingdom. **cultivar:** HANNIBAL. **pedigree:** Igri/HJ 51-15-3. **locality:** Cambridge. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Winter Annual. Cultivar. Seed.

PI 531067. *Hordeum vulgare* L. POACEAE Barley

**Donated by:** Busch Agricultural Resources, Inc., 806 N Second Street, P.O. Box 30, Berthoud, Colorado, United States. Received February 1, 1989.

**donor id:** 6B83-2064. **origin:** United States. **cultivar:** B2601. **remarks:** Juvenile growth habit erect, green at boot stage. Maturity mid-season. Malting, 6 row type. Head shape strape, mid-dense, straight neck, V-shaped collar. Seeds covered short to mid-long. Aleurone colorless. Malting quality excellent. Widely adapted to irrigated areas of intermountain west. Susceptible to loose smut (*Ustilago nuda*). **disease resistance:** Stem rust (*Puccinia graminis*). Spot blotch (*Cochliobolus sativus*). Moderate to leaf rust (*P. recondita*), net blotch (*P. teres*). Spring Annual. Cultivated. Seed.

PI 531068. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Weaver, D.B., Dept. of Agronomy and Soils, Auburn University, Auburn, Alabama, United States; and Rodriguez-Kabana, R., Dept. of Plant Pathology, Auburn University, Auburn, Alabama, United States; and Boerma, H.R., Dept. of Agronomy, Georgia Agric. Exp. Sta., University of Georgia, Athens, Georgia, United States. **remarks:** Released by the Alabama Agricultural Experiment Station in 1988. Received March 03, 1989.

**donor id:** Au82-204. **origin:** United States. **cultivar:** STONEWALL. **pedigree:** N73-693(D 68-216/Ransom)/F76-8757(Centennial/3/Forrest/2/Cobb/D68-216. **other id:** CV-238. **group:** CSR-SOYBEAN. **remarks:** Plant growth habit determinate. Maturity group VII. Flowers white. Pubescence tawny. Pod walls tan. Seeds yellow with black hila, dull seed coat. Tolerant to herbicide metribuzain. Protein content 41.5%. Oil content 21.4%. Susceptible to Powdery mildew (*Microspheara diffusa*). **nematode resistance:** Soybean cyst race 3. Moderate to root knot. Tolerant to Columbia lance (*Hoplolaimus columbus*). **disease resistance:** Stem canker(field), prevalent races of frogeye leafspot. Annual. Cultivar. Seed.

PI 531069 to 531075. *Helianthus annuus* L. ASTERACEAE Sunflower

**Donated by:** Miller, J.F., Gulya, T.J., Northern Crop Science Lab., USDA-ARS, North Dakota State University, Fargo, North Dakota, United States. **remarks:** Released by USDA-ARS and the North Dakota Agric. Exp. Station in April 1988. Received March 03, 1989.

PI 531069 **donor id:** RHA 356. **origin:** United States. **pedigree:** RHA 274 \*3/DDR. **other id:** GP-101. **group:** CSR-SUNFLOWER. **remarks:** Plants BC2F4-derived BC2F7 oilseed, reduced height restorer line, 75cm tall, upper stem branching. Days to flowering 59, extended pollination period. Adaptation north central U.S. sunflower production area. Susceptible to downy mildew (*Plasmopara halstedii*) races 3, 4, 5, Verticillium wilt (*Verticillium dahliae*) North American races, and rust (*Puccinia helianthi*) race 4. **disease resistance:** Downy mildew (*Plasmopara halstedii*) races 1 and 2. Rust (*Puccinia helianthi*) races 1,2, and 3. Annual. Breeding Material. Seed.

PI 531070 **donor id:** RHA 357. **origin:** United States. **pedigree:** RHA 274 \*3/DDR. **other id:** GP-102. **group:** CSR-SUNFLOWER. **remarks:** Plants BC2F4-derived BC2F7 oilseed, reduced height restorer line, 93cm tall, upper stem branching. Days to flowering 60, extended pollination period. Adaptation north central U.S. sunflower production area. Susceptible to downy mildew (*Plasmopara halstedii*) races 3, 4, 5, Verticillium wilt (*Verticillium dahliae*) North American races, rust (*Puccinia helianthi*) race 4. **disease resistance:** Downy mildew (*Plasmopara halstedii*) races 1 and 2. Rust (*Puccinia helianthi*) races 1,2; moderate to race 3. Annual. Breeding Material. Seed.

- PI 531071 **donor id:** RHA 358. **origin:** United States. **pedigree:** RHA 274/DDR. **other id:** GP-103. **group:** CSR-SUNFLOWER.  
**remarks:** Plants BC2F4-derived BC2F7 oilseed, reduced height restorer line, 93cm tall, upper stem branching. Days to flowering 64, extended pollination period. Adaptation north central U.S. sunflower production area. Susceptible to downy mildew (*Plasmopara halstedii*) races 3, 4, 5, Verticillium wilt (*Verticillium dahliae*) North American races, rust (*Puccinia helianthi*) race 4. **disease resistance:** Downy mildew (*Plasmopara halstedii*) races 1 and 2. Rust (*Puccinia helianthi*) races 1, 2 and 3. Annual. Breeding Material. Seed.
- PI 531072 **donor id:** RHA 359. **origin:** United States. **pedigree:** RHA 274/DDR. **other id:** GP-104. **group:** CSR-SUNFLOWER.  
**remarks:** Plants F5-derived F7 oilseed, reduced height restorer line, 73cm tall, upper stem branching. Days to flowering 63, extended pollination period. Adaptation north central U.S. sunflower production area. Susceptible to downy mildew (*Plasmopara halstedii*) races 3, 4, 5, Verticillium wilt (*Verticillium dahliae*) North American races, and rust (*Puccinia helianthi*) races 1, 2, 3, and 4. **disease resistance:** Downy mildew (*Plasmopara halstedii*) races 1 and 2. Annual. Breeding Material. Seed.
- PI 531073 **donor id:** RHA 360. **origin:** United States. **pedigree:** RHA 274/Donsky. **other id:** GP-105. **group:** CSR-SUNFLOWER.  
**remarks:** Plants F5-derived F7 oilseed, reduced height restorer line, 73cm tall, upper stem branching. Days to flowering 58, extended pollination period. Adaptation north central U.S. sunflower production area. Susceptible to downy mildew (*Plasmopara halstedii*) races 3, 4, 5, Verticillium wilt (*Verticillium dahliae*) North American races, and rust (*Puccinia helianthi*) races 3 and 4. **disease resistance:** Downy mildew (*Plasmopara halstedii*) races 1 and 2. Rust (*Puccinia helianthi*) races 1 and 2. Annual. Breeding Material. Seed.
- PI 531074 **donor id:** RHA 361. **origin:** United States. **pedigree:** RHA 274/Donsky. **other id:** GP-106. **group:** CSR-SUNFLOWER.  
**remarks:** Plants F5-derived F7 oilseed, reduced height restorer line, 65cm tall, upper stem branching. Days to flowering 65, extended pollination period. Adaptation north central U.S. sunflower production area. Susceptible to downy mildew (*Plasmopara halstedii*) races 3, 4, 5, Verticillium wilt (*Verticillium dahliae*) North American races, and rust (*Puccinia helianthi*) race 4. **disease resistance:** Downy mildew (*Plasmopara halstedii*) races 1 and 2. Rust (*Puccinia helianthi*) races 1, 2, and 3. Annual. Breeding Material. Seed.

PI 531069 to 531075-continued

PI 531075 **donor id:** RHA 362. **origin:** United States. **pedigree:** RHA 274/Donsky. **other id:** GP-107. **group:** CSR-SUNFLOWER. **remarks:** Plants F5-derived F7 oilseed, reduced height restorer line, 85cm tall, upper stem branching. Days to flowering 58, extended pollination period. Adaptation north central U.S. sunflower production area. Susceptible to downy mildew (*Plasmopara halstedii*) races 3, 4, 5, Verticillium wilt (*Verticillium dahliae*) North American races, and rust (*Puccinia helianthi*) races 3 and 4. **disease resistance:** Downy mildew (*Plasmopara halstedii*) races 1 and 2. Rust (*Puccinia helianthi*) races 1 and 2. Annual. Breeding Material. Seed.

PI 531076. *Alysicarpus vaginalis* (L.) DC. FABACEAE Alyceclover

**Donated by:** Baltensperger, D.D., Agronomy Department, University of Florida, 304 Newell Hall, Gainesville, Florida, United States; and Taylor, S.G., Busch Agricultural Resources, Inc., P.O. Box 4053, Jonesboro, AR, United States; and Glennon, R.J., Plant Materials Center, USDA-SCS, Brookville, Florida, United States. **remarks:** Released jointly by Florida Agric. Exp. Station and USDA-SCS in 1988. Received March 03, 1989.

**donor id:** FL-5. **origin:** United States. **pedigree:** Selected from PI 217904. **other id:** GP-78. **group:** CSR-OTHER LEGUMES. **remarks:** Plants decumbent with unifoliolate leaves, lancelolate at maturity. Flowering and seed maturity one month before common alyceclover. Seed yield slightly higher, but less forage yield. Parent for early maturing, nematode resistant, high yielding cover crop for Florida. Also a candidate for bird habitat because of early maturity and high seed yields. **nematode resistance:** *Meloidogyne* spp., less susceptible than common alyceclover. Annual. Breeding Material. Seed.

PI 531077 to 531078. *Indigofera hirsuta* L. FABACEAE Indigo

**Donated by:** Baltensperger, D.D., Agronomy Department, University of Florida, 304 Newell Hall, Gainesville, Florida, United States. **remarks:** Released by Florida Agric. Exp. Station in 1988. Received March 03, 1989.

PI 531077 to 531078-continued

PI 531077 **donor id:** FL-24. **origin:** United States. **pedigree:** Selection for early maturity from Florida naturalized stands. **other id:** GP-79. **group:** CSR-OTHER LEGUMES. **remarks:** Plants mature early. Growth habit more erect than PI 531078. Stems colored by anthocyanin pigmentation. Hairs red on upper stem, underside of leaflet mid-veins, and flower buds. Leaflets small. Gall rate from nematodes low. **nematode resistance:** Fair to root knot-Meloidogyne arenaria. M. incognita (races 1 and 3), and M. javanica. Annual. Breeding Material. Seed.

PI 531078 **donor id:** FL-101. **origin:** United States. **pedigree:** Selection for late maturity from Florida naturalized stands. **other id:** GP-80. **group:** CSR-OTHER LEGUMES. **remarks:** Plants mature late, full bloom 2 weeks later than PI 531077. Habit less erect. Hairs red on upper stem, under side of leaflet mid-veins, and flower buds. Stems colored by anthocyanin pigmentation. **nematode resistance:** Fair to root knot-Meloidogyne arenaria. M. incognita (races 1 and 3), and M. javanica. Annual. Breeding Material. Seed.

PI 531079 to 531080. Zea mays L. POACEAE Popcorn

**Donated by:** Ashman, R.B., Dept. of Botany and Plant Pathology, Purdue University, West Lafayette, Indiana, United States. **remarks:** Released by Indiana Agric. Exp. Station, Purdue University in 1983 and 1985. Received March 03, 1989.

\* PI 531079 Zea mays L. subsp. mays POACEAE Popcorn  
**origin:** United States. **cultivar:** HPXD-1. **pedigree:** Dent corn inbred OH43 crossed with a yellow popcorn hybrid from 'South American' and 'Amber Pearl' germplasm and back crossed to popcorn and advanced to S4. **other id:** GP-195. **source:** Crop Sci. 29(5):1331 1989. **group:** CSR-MAIZE. **locality:** Guadalajara. **remarks:** Breeding population with improved stalk quality. Plants cross sterile (Gal-S Gal-S), maturity early to mid-season. Popping expansion volume average. About 25% of plants contain the gene Ht1 which confers chlorotic lesion type resistance to leaf blight. **disease resistance:** Corn leaf blight (Exserohilum turcicum). Annual. Breeding Material. Seed.

PI 531079 to 531080-continued

- \* PI 531080 Zea mays L. subsp. mays POACEAE Popcorn  
**origin:** United States. **cultivar:** HPXD-2. **pedigree:** Dent corn inbred C103 crossed with a yellow popcorn hybrid from 'South American' and 'Early Yellow' germplasm, backcrossed to popcorn, selfed, and backcrossed to popcorn. **other id:** GP-196. **source:** Crop Sci. 29(5):1331 1989. **group:** CSR-MAIZE. **locality:** Guadalajara.  
**remarks:** Breeding population with improved stalk quality. Plants cross sterile (Gal-S Gal-S), maturity early to mid-season. Popping expansion volume average. Annual. Breeding Material. Seed.

PI 531081 to 531083. Zea mays L. POACEAE Corn

**Donated by:** Johnson, M.W., Dept. of Agronomy, Pennsylvania State University, University Park, Pennsylvania, United States. Received March 03, 1989.

- \* PI 531081 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** PA356. **pedigree:** Selected from PA Virus resistant, very early synthetic. **other id:** PL-137. **source:** Crop Sci. 29(5):1333 1989. **group:** CSR-MAIZE. **remarks:** Plant height 160-180cm. Maturity mid AES 300. Stalk strength good. Leaves wide, medium green. Leaf mid-ribs, sheaths and anthers red. Tassels large, erect with 4-6 branches. Kernels small, semi-round. Cobs red with 12 rows. Best used as a male parent, contributes to good stalk strength. **disease resistance:** Virus. Annual. Breeding Material. Seed.
- \* PI 531082 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** PA376. **pedigree:** Selected from PA Virus resistant, intermediate synthetic. **other id:** PL-123. **source:** Crop Sci. 29(5):1333 1989. **group:** CSR-MAIZE. **remarks:** Plant height 165cm. Maturity late AES 300. Stalk and root strength good. Leaves medium green, semi-erect. Tassels large, spreading, 6-8 branches. Kernels small, dark yellow, semi-round. Cob red with 12 rows. Combining ability good, use as male or female for good stand ability. **disease resistance:** Virus. Annual. Breeding Material. Seed.

PI 531081 to 531083-continued

- \* PI 531083 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** PA891. **pedigree:** Selected from PA91/T226 \* 2/PA91 after five cycles of selfing and selection in ear to row manner. **other id:** PL-124. **source:** Crop Sci. 29(5):1333 1989. **group:** CSR-MAIZE. **remarks:** Plant height 210cm. Maturity late AES 800. Leaves medium dark green. Tassels medium-large with 6-8 branches. Kernels small, semi-round, yellow-orange. Cobs red with 12 rows. combining ability good, best used as male because of small kernel size. **disease resistance:** Northern and Southern leaf blights. Leaf spot (*Helminthosporium carbonum*) race 3. Above average to gray leaf spot (*Cercospora zeae-maydis*). Annual. Breeding Material. Seed.

PI 531084 to 531085. Zea mays L. POACEAE Corn

**Donated by:** Goodman, M.M., Dept. of Crop Science, North Carolina State University, Raleigh, North Carolina, United States. **remarks:** Released by the North Carolina Agric. Res. Service and USDA-ARS on March 25, 1988. Received March 03, 1989.

- \* PI 531084 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** NC258. **pedigree:** Derived from TZ\*2/3/NC 248/NC 246)/2/C103 by ear to row selfing. **other id:** PL-125. **source:** Crop Sci. 29(5):1334 1989. **group:** CSR-MAIZE. **remarks:** Maturity AES 900. Leaves light green. Cobs white. Kernels flint with moderate acid content, good quality but dry slowly. Combining ability good. **disease resistance:** Maydis leaf blight (*Helminthosporium maydis*). Gray leaf spot (*Cercospora zeae-maydis*). Annual. Breeding Material. Seed.
- \* PI 531085 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** NC262. **pedigree:** Derived directly from TZ by ear to row selfing. **other id:** PL-126. **source:** Crop Sci. 29(5):1334 1989. **group:** CSR-MAIZE. **remarks:** Maturity AES 700. Ear height low. Cobs red. Seeds less than ideal quality, dry slowly. Combining ability good. **disease resistance:** Moderate to leaf blight (*Helminthosporium maydis*). Anthracnose (*Colletotrichum graminicola*). Gray leaf spot (*Cercospora zeae-maydis*). Annual. Breeding Material. Seed.

PI 531086. *Paspalum notatum* var. *saurae* Parodi POACEAE

**Donated by:** Burton, G.W., USDA-ARS, University of Georgia Agric. Res. Sta., Agronomy Dept., Tifton, Georgia, United States. **remarks:** Released by the University of Georgia and USDA-ARS in March 1987. Received March 03, 1989.

**origin:** United States. **cultivar:** TIFTON 9. **pedigree:** Ninth cycle of recurrent restricted phenotypic selection from Pensacola. **other id:** CV-118. **group:** CSR-OTHER GRASSES. **other id:** PVP 9000109. **source:** Pending. **group:** PVPO. **remarks:** Plants more vigorous in seedling stage, longer leaves, and more succulent (palatable), and equally digestible, than Pensacola. Yielded 47% more forage over a three year period. Vigor maintained through advanced generations. Adopted to the Pensacola growing area. Perennial. Cultivar. Seed.

PI 531087. *Pennisetum purpureum* Schumach. POACEAE Elephant grass

**Donated by:** Burton, G.W., USDA-ARS, University of Georgia Agric. Res. Sta., Agronomy Dept., Tifton, Georgia, United States. Received March 03, 1989.

**origin:** United States. **cultivar:** MERKERON. **pedigree:** No. 208 (dwarf leafy)/No.1(tall)Fl. **other id:** CV-119. **group:** CSR-OTHER GRASSES. **remarks:** Plants 4-5m, short day sensitive, fall flowering. Winter hardy to -18 deg. C. Yield 172 metric tons per hectare of green forage. Valuable for concentrated germplasm including genes for leafiness, dwarfing, winter hardiness, disease resistance, and yield. **disease resistance:** Eyespot (*Helminthosporium sacchari*). Perennial. Cultivar. Seed.

PI 531088. *Phalaris arundinacea* L. POACEAE Reed canarygrass

**Donated by:** Kalton, R.R., Land O' Lakes Research Farm, R.R. 2, Webster City, Iowa, United States. **remarks:** Developed by Land O' Lakes, Inc. and released for marketing through Research Seeds, Inc. and Peterson Seed Co. in July 1985. Received March 03, 1989.



PI 531088-continued

**origin:** United States. **cultivar:** PALATON. **pedigree:** 8-clone synthetic cultivar derived from Flare, Vantage, Rise, a polycross progeny, and a germplasm collection. **other id:** CV-120. **group:** CSR-OTHER GRASSES. **other id:** PVP 8500081. **source:** Certificate in force. **group:** PVPO. **remarks:** Seedling vigor and stand establishment ability good. Plants with improved seed shattering resistance and lower alkaloid content with no tryptamine and carboline. Forage yield similar to parental cultivars. Adapted for forage and conservation use in northern half of continental U.S. and southern Canada. **cold tolerance:** Winterhardiness and persistence. Perennial. Cultivar. Seed.

PI 531089. *Phalaris arundinacea* L. POACEAE Reed canarygrass

**Donated by:** Kalton, R.R., Land O' Lakes Research Farm, R.R. 2, Webster City, Iowa, United States. **remarks:** Developed by Land O' Lakes, Inc. and released for marketing through Research Seeds, Inc. and Peterson Seed Co. in July 1985. Received March 09, 1989.

**origin:** United States. **cultivar:** VENTURE. **pedigree:** 6-clone synthetic cultivar derived from 'Vantage' and 'Flare', a polycross of a good seeding clone, and a field collection from northern Iowa. **other id:** CV-121. **group:** CSR-OTHER GRASSES. **other id:** PVP 8600060. **source:** Certificate in force. **group:** PVPO. **remarks:** Seedling vigor and stand establishment ability good. Plants with improved seed shattering resistance, average crude fiber, acid detergent fiber and neutral detergent fiber, lower alkaloid content, only gramine, no tryptamine and carboline. Forage yield and leaf disease resistance similar to parental cultivars. Seed yield good. Adapted for forage and conservation in the northern U.S. and southern Canada. **cold tolerance:** Winter hardiness and persistence excellent. Perennial. Cultivar. Seed.

PI 531090. *Cynodon dactylon* (L.) Pers. POACEAE Bermudagrass

**Donated by:** Baltensperger, A.A., Dept. of Agronomy and Horticulture, New Mexico University, Las Cruces, New Mexico, United States. **remarks:** Released by the New Mexico Agric. Exp. Station in February 1987. Received March 03, 1989.

PI 531090-continued

**origin:** United States. **cultivar:** NUMEX SAHARA.  
**pedigree:** Parantage consists of 8 clones with high seed production and turf quality, based on polycross progeny performance. **other id:** CV-18. **source:** Crop Sci. 29(5):1326 1989. **group:** CSR-BERMUDAGRASS. **remarks:** Plants medium textured similar to Common but stem internode length, leaf length and plant height shorter. Turf density improved and green summer color increased compared to Common and Guymon. General purpose turfgrass for southern part of U.S. Perennial. Cultivar. Seed.

PI 531091. *Lolium perenne* L. POACEAE Perennial ryegrass

**Donated by:** Pepin, G.W., Pickseed West, Inc., P.O. Box 888, Tangent, Oregon, United States. **remarks:** Developed and released by Pickseed West, Inc. in August 1987. Received March 03, 1989.

**donor id:** Pick 600. **origin:** United States. **cultivar:** FIESTA II. **pedigree:** Advanced generation synthetic selected from progenies of 7 clones, modified back crossing and 4 cycles of recurrent selection. **other id:** CV-122. **group:** CSR-OTHER GRASSES. **other id:** PVP 8700169. **source:** Certificate in force. **group:** PVPO. **remarks:** Plants leafy, persistent, dense, medium low-growing, fine textured, dark green, with low growth profile and slow vertical growth. Seedling vigor, tillering ability, wear tolerance, and recuperative abilities good. Recommended for lawns, parks, and sports fields in southern U.S. where perennial ryegrasses are adapted for turf. **disease resistance:** Winter net blotch (*Drechslera dictyoides* f. sp. *persenne*). Crown (*Puccinia coronata*) and stem (*P. graminis*) rusts. Perennial. Cultivar. Seed.

PI 531092. *Medicago sativa* L. FABACEAE Alfalfa

**Donated by:** Hill, R.R., Leath, K.T., U.S. Regional Pasture Research Lab., University Park, Pennsylvania, United States; and Elgin, J.H., Plant Sciences Institute, Beltsville Agric. Res. Center, USDA-ARS, Beltsville, Maryland, United States. **remarks:** Released by USDA-ARS in June 1988. Received March 03, 1989.

**origin:** United States. **cultivar:** MSA-PL-L. **pedigree:** Selection of plants from MSA-CW3An3 with resistance to Lepto leafspot. **other id:** GP-219. **source:** Crop Sci. 29(5):1330 1989. **group:** CSR-ALFALFA. **remarks:** Use for reducing leaf loss in the development of cultivars or germplasm. Yield probably not high, not field tested. **disease resistance:** Lepto leaf spot (*Leptosphaerulina briosiana*). Perennial. Breeding Material. Seed.

PI 531093 to 531101. *Ipomoea batatas* (L.) Lam. CONVOLVULACEAE Sweet potato

**Donated by:** Gonzalez, M.M., Sector Publico Agro. Y De Alimentacion, Inst. De Ciencia Y Tecnologia Agricolas, Avenida Reforma 8-60, Zona 9 Edificio, Guatemala. **remarks:** Received through IBPGR, Rome, Italy. Received March 27, 1984.

- PI 531093 **donor id:** 144. **origin:** Guatemala. **local name:** Camote morado. **collected:** September 26, 1982. **other id:** Q 24513. **locality:** Progreso. **latitude:** 14 deg. 44 min. N. **longitude:** 90 deg. 07 min. W. **elevation:** 790m. Primitive Cultivar. Roots.
- PI 531094 **donor id:** 392. **origin:** Guatemala. **collected:** March 18, 1983. **other id:** Q 25343. **locality:** N of San Benito, Peten Region. **latitude:** 16 deg. 53 min. N. **longitude:** 90 deg. 00 min. W. **elevation:** 140m. Primitive Cultivar. Roots.
- PI 531095 **donor id:** 411. **origin:** Guatemala. **local name:** Camote morado. **collected:** March 15, 1983. **other id:** Q 24515. **locality:** Poptun, Peten. **latitude:** 16 deg. 27 min. N. **longitude:** 89 deg. 17 min. W. **elevation:** 600m. Primitive Cultivar. Roots.
- PI 531096 **donor id:** 428. **origin:** Guatemala. **local name:** Camote morado. **collected:** May 25, 1983. **other id:** Q 24529M. **locality:** El Sompopo Omaque pto. Barrios, Izabal. **latitude:** 15 deg. 33 min. N. **longitude:** 88 deg. 33 min. W. **elevation:** 15m. Primitive Cultivar. Roots.
- PI 531097 **donor id:** 432. **origin:** Guatemala. **local name:** Camote morado. **collected:** May 26, 1983. **other id:** Q 24517. **locality:** Navajoa, Morales, Izabal. **latitude:** 15 deg. 32 min. N. **longitude:** 88 deg. 43 min. W. Primitive Cultivar. Roots.
- PI 531098 **donor id:** 508. **origin:** Guatemala. **local name:** Camote morado. **collected:** August 10, 1983. **other id:** Q 24528. **locality:** Casillas, Santa Rosa. **latitude:** 14 deg. 25 min. N. **longitude:** 90 deg. 14 min. W. **elevation:** 1071m. Primitive Cultivar. Roots.
- PI 531099 **donor id:** 530. **origin:** Guatemala. **collected:** August 16, 1983. **other id:** Q 25351. **locality:** NW of La Libertad, Peten Region. **latitude:** 16 deg. 40 min. N. **longitude:** 90 deg. 16 min. W. **elevation:** 140m. Primitive Cultivar. Roots.
- PI 531100 **donor id:** 595. **origin:** Guatemala. **collected:** August 25, 1983. **other id:** Q 25356. **locality:** NE of Poptun, Peten Region. **latitude:** 16 deg. 20 min. N. **longitude:** 89 deg. 33 min. W. **elevation:** 400m. Primitive Cultivar. Roots.

PI 531093 to 531101-continued

PI 531101 donor id: 624. origin: Guatemala. collected: August 29, 1983. other id: Q 25362. locality: SE of Morales-Izabal, Izabal Region. latitude: 15 deg. 28 min. N. longitude: 89 deg. 49 min. W. elevation: 40m. Primitive Cultivar. Roots.

PI 531102. *Ipomoea batatas* (L.) Lam. CONVOLVULACEAE Sweet potato

Donated by: Heinze, H., CATIE, Turrialba, Costa Rica. Received July 08, 1983.

donor id: 8520. origin: Costa Rica. other id: Q 23838. Cultivated. Roots.

PI 531103 to 531115. *Ipomoea batatas* (L.) Lam. CONVOLVULACEAE Sweet potato

Donated by: Delgado, G.E., Universidad Nacional Pedro Ruix Gallo, 8 De Octobra No. 637, Lambayaque, Peru. Received September 05, 1985.

PI 531103 donor id: 13. origin: Peru. other id: Q 25710. Cultivated. Tissue Culture.

PI 531104 donor id: 112. origin: Peru. other id: Q 25737. Cultivated. Tissue Culture.

PI 531105 donor id: 117. origin: Peru. other id: Q 25740. Cultivated. Tissue Culture.

PI 531106 donor id: 118. origin: Peru. other id: Q 25741. Cultivated. Tissue Culture.

PI 531107 donor id: 119. origin: Peru. other id: Q 25742. Cultivated. Tissue Culture.

PI 531108 donor id: 121. origin: Peru. other id: Q 25743. Cultivated. Tissue Culture.

PI 531109 donor id: 124. origin: Peru. other id: Q 25745. Cultivated. Tissue Culture.

PI 531110 donor id: 132. origin: Peru. other id: Q 25750. Cultivated. Tissue Culture.

PI 531111 donor id: 140. origin: Peru. other id: Q 25753. Cultivated. Tissue Culture.

PI 531112 donor id: 149. origin: Peru. other id: Q 25756. Cultivated. Tissue Culture.

PI 531103 to 531115-continued

PI 531113 donor id: 159. origin: Peru. other id: Q 25757.  
Cultivated. Tissue Culture.

PI 531114 donor id: 168. origin: Peru. other id: Q 25760.  
Cultivated. Tissue Culture.

PI 531115 donor id: 173. origin: Peru. other id: Q 25762.  
Cultivated. Tissue Culture.

PI 531116. *Ipomoea batatas* (L.) Lam. CONVOLVULACEAE Sweet potato

**Donated by:** International Inst. of Tropical Agri., Private Mail Bag  
5320, Ibadan, Nigeria. Received February 09, 1983.

donor id: TIS 9265. origin: Nigeria. other id: Q 23199.  
Cultivated. Roots.

PI 531117 to 531133. *Ipomoea batatas* (L.) Lam. CONVOLVULACEAE Sweet  
potato

**Donated by:** Collins, W., Dept. of Horticultural Science, North  
Carolina State University, 210 Kilgore Hall, Raleigh, North  
Carolina, United States. Received March 16, 1983.

PI 531117 donor id: SP 1. origin: Peru. cultivar: PARAMUTAI.  
pedigree: Mutation from Para monquino. collected: March  
02, 1983. other id: Q 23703. locality: Canete Agr. Exp.  
Station, Canete, southern Peru. remarks: Stems,  
petioles, and veins purple. Leaves deep cut. Roots cream  
color. Flesh light orange. Protein content high.  
nematode resistance: Tolerant to Root-knot. disease  
resistance: Scurf and Black rot. Cultivar. Roots.

PI 531118 donor id: SP 2. origin: Peru. cultivar: NEMANETE.  
collected: March 01, 1983. other id: Q 23704. locality:  
Caltopa, Elparaiso, E of Canete between Km 20 and Km 21  
on road to Lunahuana, southern Peru. remarks: Foliage  
green. Leaves cut. Roots light red. Flesh light orange.  
nematode resistance: Root-knot. Cultivar. Roots.

PI 531119 donor id: SP 5. origin: Peru. cultivar: CANCHARI.  
collected: March 01, 1983. other id: Q 23705. locality:  
Caltopa, El paraiso, E of Canete between Km 20 and Km 21  
on road to Lunahuana, southern Peru. remarks: Root skin  
deep purple. Flesh light orange. Stores well. Dry matter  
30% or more. Grower Pablo Vicente de la Cruz. nematode  
resistance: Root knot. drought tolerance: Possible.  
Cultivar. Roots.

PI 531117 to 531133-continued

- PI 531120 **donor id:** SP-7. **origin:** Peru. **other id:** Q 23706. **locality:** Km 58, NE of Lunahuana, W of Pacaran, E of Zuniga, southern Peru. **remarks:** Vines, stems, and petioles purple. Leaves deep cut. Tubers tan to buff, beet shape. Flesh uniform, light orange, almost cream. Cultivated. Tuber.
- PI 531121 **donor id:** SP 9. **origin:** Peru. **cultivar:** IHUANCO. **collected:** March 02, 1983. **other id:** Q 23707. **locality:** Canete Agr. Exp. Sta., Canete, southern Peru. **remarks:** Stems, veins, and petioles with slight purple cast. Leaves heart-shaped. Roots red. Flesh white, slightly pithy. Dry matter high. Cultivar. Roots.
- PI 531122 **donor id:** SP 11. **origin:** Peru. **cultivar:** JEWELL. **collected:** March 02, 1983. **other id:** Q 23708. **locality:** Canete Agr. Exp. Sta., Canete, southern Peru. **remarks:** Leaves heart-shaped, shouldered, green. Roots copper. Flesh deep orange. Originally from the United States. Cultivar. Roots.
- PI 531123 **donor id:** SP 12. **origin:** Peru. **cultivar:** DONA CARMEN. **collected:** March 02, 1983. **other id:** Q 23709. **locality:** Canete Agr. Exp. Sta., Canete, southern Peru. **remarks:** Stems with light purple cast. Leaves heart-shaped. Petioles green. Veins purple. Roots red. Flesh white. Cultivar. Roots.
- PI 531124 **donor id:** SP 15. **origin:** Peru. **cultivar:** SUPANA NEGRO. **collected:** March 02, 1983. **other id:** Q 23710. **locality:** Canapay Exp. Sta., INIPA, Chincha Valley, southern Peru. **remarks:** Stems light purple. Leaves green, heart-shaped, shouldered, small. Petioles purple. Roots white. Flesh white. Cultivar. Roots.
- PI 531125 **donor id:** SP 24. **origin:** Peru. **cultivar:** CHUQUIMANCO. **collected:** March 02, 1983. **other id:** Q 23712. **locality:** Canapay Exp. Sta., INIPA, Chincha Valley, southern Peru. **remarks:** Stems, petioles, and veins light purple. Leaves lobed, green. Roots white. Flesh deep orange. Dry matter good. Resulted from cross between Peruvian and Argentine variety. Cultivar. Roots.
- PI 531126 **donor id:** NP 27. **origin:** Peru. **cultivar:** VILCA, ROMERO. **collected:** March 03, 1983. **other id:** Q 23713. **locality:** Garden, Patavilca, E of Barranca off Pan American Hwy, northern Peru. **elevation:** 22.5m. **remarks:** Stems, petioles, veins with moderate purple cast. Leaves cut, green. Roots white. Flesh white and purple. Cultivar. Roots.

PI 531117 to 531133-continued

- PI 531127 donor id: NP 30. origin: Peru. cultivar: PAMPA CULEVRA. collected: March 03, 1983. other id: Q 23714. locality: Huarney, northern Peru. remarks: Foliage purple except growing point. Leaves cut, 3-fingered. Roots white. Flesh white. Cultivar. Roots.
- PI 531128 donor id: NP 31. origin: Peru. cultivar: BOCA DE CHISCO. collected: March 03, 1983. other id: Q 23715. locality: Viru, northern Peru. remarks: Maturity late, 180 days but good production. Stems, petioles, veins purple. Leaves heart-shaped, green. Roots purple. Flesh white. Cultivar. Roots.
- PI 531129 donor id: NP 32. origin: Peru. cultivar: CHANCLETERO, CAMOTE INDUSTRIAL. collected: March 03, 1983. other id: Q 23716. locality: Viru, northern Peru. remarks: Stems green with purple cast. Leaves deep cut, green. Petioles and veins green. Roots buff. Flesh light orange. Cultivar. Roots.
- PI 531130 donor id: NP 35. origin: Peru. cultivar: CAMOTE BLANCO. collected: March 04, 1983. other id: Q 23717. locality: Paijan, northern Peru. remarks: Stems, petioles, and veins green. Leaves heart-shaped, green. Roots white with slight purple color. Flesh white. Cultivar. Roots.
- PI 531131 donor id: NP 36. origin: Peru. cultivar: CAMOTE MORADO-1. collected: March 04, 1983. other id: Q 23718. locality: Paijan, northern Peru. remarks: Stems, petioles, and veins purple. Leaves heart-shaped, green. Roots red. Flesh white with purple. Cultivar. Roots.
- PI 531132 donor id: NP 41. origin: Peru. cultivar: TRUJILLANO. collected: March 04, 1983. other id: Q 23720. locality: Tambo Guarapo, 8km S of Chimbote (Smiles). remarks: Stems, petioles, and veins (including small ones) dark purple. Leaves cut, green. Roots red. Flesh white. Used for making flour. Cultivar. Roots.
- PI 531133 donor id: NP 47. origin: Peru. cultivar: PARAMONQUINO. collected: March 05, 1983. other id: Q 23725. locality: Huaral Exp. Sta., Huaral, northern Peru. remarks: Stems and petioles purple. Veins purple 1/3 way from petiole to leaf tip. Leaves 3-5 lobed, large ivy-type, green. Roots buff. Flesh light yellow. Cultivar. Roots.

PI 531134. Ipomoea sp. CONVOLVULACEAE

Donated by: Coslow, B., 640 Day Island Road, Eugene, Oregon, United States. Received March 18, 1983.

PI 531134-continued

**donor id:** BC-4. **origin:** Costa Rica. **local name:** Lamote.  
**collected:** March 12, 1983. **other id:** Q 23728. **locality:**  
Mercado Borbon, San Jose. **remarks:** Grown in Guanacaste  
region. Root tuberous with purple skin and white flesh.  
Cultivated. Roots.

PI 531135 to 531140. *Ipomoea batatas* (L.) Lam. CONVOLVULACEAE Sweet  
potato

**Donated by:** Heinze, H., CATIE, Turrialba, Costa Rica. Received July  
08, 1983.

PI 531135 **donor id:** 7044. **origin:** Costa Rica. **other id:** Q 23834.  
Cultivated. Roots.

PI 531136 **donor id:** 8462. **origin:** Costa Rica. **other id:** Q 23835.  
Cultivated. Roots.

PI 531137 **donor id:** 8463. **origin:** Costa Rica. **other id:** Q 23836.  
Cultivated. Roots.

PI 531138 **donor id:** 8464. **origin:** Costa Rica. **other id:** Q 23837.  
Cultivated. Roots.

PI 531139 **donor id:** 8988. **origin:** Costa Rica. **other id:** Q 23841.  
Cultivated. Roots.

PI 531140 **donor id:** 11753. **origin:** Costa Rica. **other id:** Q 23842.  
Cultivated. Roots.

PI 531141 to 531147. *Ipomoea batatas* (L.) Lam. CONVOLVULACEAE Sweet  
potato

**Donated by:** Lin, S.S.M., AVRDC, P.O. Box 42, Shanhua, Tainan, 741,  
Taiwan. Received August 10, 1983.

PI 531141 **donor id:** CN 942-47. **origin:** Taiwan. **cultivar:** B 6712.  
**other id:** Q 23871. **remarks:** Open-pollinated type. Skin  
red. Flesh light orange. Maturity 120 days. Suitable for  
warm-wet & dry season. Taste good. Texture slightly dry.  
Dry matter 23%. Protein 3.1%. Dessert and staple type.  
Cultivar. Roots.

PI 531142 **donor id:** CN 1038-16. **origin:** Taiwan. **pedigree:** PI  
344129//Red Tuber Tail/OK 6-3-118///Tainung 57(OP)-4.  
**other id:** Q 23873. **remarks:** Skin light red. Flesh  
yellow. Maturity 120 days. Suitable for warm-wet & dry  
season. Taste poor. Texture dry. Dry matter 26%. Protein  
5.5%. Used for animal feed. Cultivated. Roots.



PI 531141 to 531147-continued

- PI 531143 **donor id:** CN 1108-13. **origin:** Taiwan. **pedigree:** PI 344129/HDK 6/B 7078//Tainung 63. **other id:** Q 23874. **remarks:** Skin brown. Flesh light orange. Maturity 120 days. Suitable for warm-wet & dry season. Yield high. Taste good. Texture slightly dry. Dry matter 35%. Protein 2.5%. Dessert and staple type. Cultivated. Roots.
- PI 531144 **donor id:** I 444. **origin:** Taiwan. **cultivar:** KIN-MEN. **other id:** Q 23875. **remarks:** Skin yellow. Flesh white. Maturity 120-150 days. Suitable for dry season. Taste good. Texture slightly dry. Dry matter 23%. Protein 2.2%. Staple type. Drought tolerance. Cultivar. Roots.
- PI 531145 **donor id:** AIS 0122-2. **origin:** Taiwan. **pedigree:** Southern Queen/OK-6-3-106. **other id:** Q 23876. **remarks:** Skin red. Flesh deep orange. Maturity 120 days. Suitable for dry season. Taste fair. Texture moist. Dry matter 20%. Protein 3.5%. Dessert and staple type. Cultivated. Roots.
- PI 531146 **donor id:** I 430. **origin:** Taiwan. **cultivar:** TAINUNG 65. **other id:** Q 23877. **remarks:** Skin light red. Flesh yellowish orange. Maturity 120-150 days. Suitable for dry season. Taste fair. Texture moist. Dry matter 24%. Protein content high (60%). Cultivar. Roots.
- PI 531147 **donor id:** I 57. **origin:** Taiwan. **cultivar:** TAINUNG 57. **other id:** Q 23878. **remarks:** Skin yellow. Flesh yellow. Maturity 120-150 days. Suitable for warm-wet and dry season. Taste good. Texture dry. Dry matter 26%. Protein 2.2%. Dessert type. Cultivar. Roots.

PI 531148 to 531170. *Ipomoea batatas* (L.) Lam. CONVOLVULACEAE Sweet potato

**Donated by:** Delgado, G.E., Universidad Nacional Pedro Ruiz Callo, Lambayague, Peru. **remarks:** Received through IBPGR, Rome, Italy. Received August 27, 1984.

- PI 531148 **donor id:** UNPRG 8. **origin:** Peru. **local name:** Blanco local. **other id:** Q 24944. **locality:** E.E.A. Lambayague. Cultivated. Tissue Culture.
- PI 531149 **donor id:** UNPRG 11. **origin:** Peru. **local name:** Amarillo local. **other id:** Q 24947. **locality:** E.E.A. Lambayague. Cultivated. Tissue Culture.
- PI 531150 **donor id:** UNPRG 15. **origin:** Peru. **local name:** Lurin. **other id:** Q 24951. **locality:** Huaura. Cultivated. Tissue Culture.

PI 531148 to 531170-continued

- PI 531151 donor id: UNPRG 17. origin: Peru. local name: Nino.  
other id: Q 24953. locality: Huaura. Cultivated.  
Tissue Culture.
- PI 531152 donor id: UNPRG 20. origin: Peru. local name:  
Paramonguino Mejo rado. other id: Q 24956. locality:  
E.E.A. Canete. Cultivated. Tissue Culture.
- PI 531153 donor id: UNPRG 23. origin: Peru. local name:  
Chilingano. other id: Q 24959. locality: E.E.A. Canete.  
Cultivated. Tissue Culture.
- PI 531154 donor id: UNPRG 31. origin: Peru. local name: Corazon  
de Huarango (Negro). other id: Q 24966. locality:  
E.E.A. Canete. Cultivated. Tissue Culture.
- PI 531155 donor id: UNPRG 38. origin: Peru. local name: Pedro  
Juan. other id: Q 24973. locality: E.E.A. Canete.  
Cultivated. Tissue Culture.
- PI 531156 donor id: UNPRG 41. origin: Peru. other id: Q 24976.  
other id: C.-5-E.A.L.M.. locality: La Molina.  
Cultivated. Tissue Culture.
- PI 531157 donor id: UNPRG 42. origin: Peru. local name:  
Usquillano. other id: Q 24977. locality: E.E.A. Canete.  
Cultivated. Tissue Culture.
- PI 531158 donor id: UNPRG 46. origin: Peru. local name:  
Huanchano. other id: Q 24981. locality: E.E.A. Canete.  
Cultivated. Tissue Culture.
- PI 531159 donor id: UNPRG 49. origin: Peru. local name: Ramon  
Camacho. other id: Q 24984. locality: Huaura.  
Cultivated. Tissue Culture.
- PI 531160 donor id: UNPRG 56. origin: Peru. local name: Perotito.  
other id: Q 24991. locality: E.E.A. Canete. Cultivated.  
Tissue Culture.
- PI 531161 donor id: UNPRG 60. origin: Peru. local name: Promesa.  
other id: Q 24995. locality: E.E.A. Canete. Cultivated.  
Tissue Culture.
- PI 531162 donor id: UNPRG 61. origin: Peru. local name: Sin  
Nombre. other id: Q 24996. locality: Canete.  
Cultivated. Tissue Culture.
- PI 531163 donor id: UNPRG 63. origin: Peru. other id: Q 24998.  
other id: Tipo 6-LM. locality: La Molina. Cultivated.  
Tissue Culture.

PI 531148 to 531170-continued

- PI 531164 donor id: UNPRG 64. origin: Peru. other id: Q 24999.  
other id: Tipo 7-LM. locality: La Molina. Cultivated.  
Tissue Culture.
- PI 531165 donor id: UNPRG 68. origin: Peru. local name: Huachano  
Chico. other id: Q 25003. locality: Huacho.  
Cultivated. Tissue Culture.
- PI 531166 donor id: UNPRG 70. origin: Peru. other id: Q 25005.  
other id: Tipo 23-LM (San Jeronimo). locality: La  
Molina. Cultivated. Tissue Culture.
- PI 531167 donor id: UNPRG 81. origin: Peru. local name: Quita  
penas. other id: Q 25014. locality: Tumbes.  
Cultivated. Tissue Culture.
- PI 531168 donor id: UNPRG 89. origin: Peru. local name: Morado de  
Canete. other id: Q 25020. locality: Canete.  
Cultivated. Tissue Culture.
- PI 531169 donor id: UNPRG 100. origin: Peru. local name: Torre  
Blanca. other id: Q 25029. locality: Canete.  
Cultivated. Tissue Culture.
- PI 531170 donor id: UNPRG 113. origin: Peru. local name: Yema de  
Pato. other id: Q 25034. locality: Lima. Cultivated.  
Tissue Culture.

PI 531171 to 531172. *Allium cepa* L. LILIACEAE Onion

Donated by: Shah, R.M., Vijay Seeds Co., Pvt. Ltd, A-9/17, ADDL.  
M.I.D.C., Jalna 431203, India. remarks: Received through H.M.  
Munger, Cornell University, Ithaca, New York. Received May 08,  
1989.

PI 531171 origin: India. cultivar: BOMBAY RED. Cultivar. Seed.

PI 531172 origin: India. cultivar: N-53. Cultivar. Seed.

PI 531173 to 531186. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Duan, X., Plant Protection Institute, Chinese Academy of  
Agricultural Science, Beijing, China, Peoples Repub. of. remarks:  
Received through J.G. Moseman, Germplasm Quality and Enhancement  
Lab., USDA-ARS, Beltsville, Maryland. Seedling reactions to cultures  
ABK, Asosan, and Yuma/CC greenhouse-tested at Beltsville. Received  
December 11, 1987.

PI 531173 to 531186-continued

- PI 531173 origin: China, Peoples Repub of. cultivar: KEN GUI AR 1.  
disease resistance: Very high to Powdery mildew (Erysiphe graminis). Annual. Cultivar. Seed.
- PI 531174 origin: China, Peoples Repub of. cultivar: QIAN FENG 1.  
disease resistance: Very high to Powdery mildew (Erysiphe graminis). Annual. Cultivar. Seed.
- PI 531175 origin: China, Peoples Repub of. cultivar: YIE 79-1.  
disease resistance: Moderate to Powdery mildew (Erysiphe graminis). Annual. Cultivar. Seed.
- PI 531176 origin: China, Peoples Repub of. cultivar: QIAN RONG 3.  
disease resistance: High to Powdery mildew (Erysiphe graminis). Annual. Cultivar. Seed.
- PI 531177 origin: China, Peoples Repub of. cultivar: PU MAI 775.  
disease resistance: Very high to Powdery mildew (Erysiphe graminis). Annual. Cultivar. Seed.
- PI 531178 origin: China, Peoples Repub of. cultivar: NONG PA  
81-146. disease resistance: Very high to Powdery mildew  
(Erysiphe graminis). Annual. Cultivar. Seed.
- PI 531179 origin: China, Peoples Repub of. cultivar: BAI MIAN 3.  
disease resistance: Moderate to Powdery mildew (Erysiphe graminis). Annual. Cultivar. Seed.
- PI 531180 origin: China, Peoples Repub of. cultivar: 82-DONG 172.  
disease resistance: Moderate to very susceptible to  
Powdery mildew. Annual. Cultivar. Seed.
- PI 531181 origin: China, Peoples Repub of. cultivar: BAO-493.  
disease resistance: Moderate to very susceptible to  
Powdery mildew. Annual. Cultivar. Seed.
- PI 531182 origin: China, Peoples Repub of. cultivar: BAO 307.  
disease resistance: High to Powdery mildew (Erysiphe graminis). Annual. Cultivar. Seed.
- PI 531183 origin: China, Peoples Repub of. cultivar: F 96.  
disease resistance: Very high to moderate to Powdery  
mildew (Erysiphe graminis). Annual. Cultivar. Seed.
- PI 531184 origin: China, Peoples Repub of. cultivar: FENG KANG 8.  
disease resistance: High to very susceptible to Powdery  
mildew. Annual. Cultivar. Seed.
- PI 531185 origin: China, Peoples Repub of. cultivar: QIAN HUA 4.  
disease resistance: High to Powdery mildew (Erysiphe graminis). Annual. Cultivar. Seed.

PI 531173 to 531186-continued

PI 531186 **origin:** China, Peoples Repub of. **cultivar:** 151-152.  
**disease resistance:** Very high to very susceptible to  
Powdery mildew. Annual. Breeding Material. Seed.

PI 531187. *Avena sativa* L. POACEAE Common oat

**Donated by:** Reeves, D.L., Dept. of Plant Science, South Dakota State  
University, 219 Agricultural Hall, Box 2109, Brookings, South  
Dakota, United States. Received March 10, 1989.

**donor id:** SD 820045. **origin:** United States. **cultivar:**  
SETTLER. **pedigree:** Benson/2/WI2221-1/Noble. **remarks:**  
Plants moderately tall, medium to medium-late maturity.  
Seeds mid-sized, white. Milling yield and test weight  
good. Groat protein upper medium range. Groat oil low.  
**disease resistance:** Moderate to Crown rust (*Puccinia*  
*coronata*). Smut (*Ustilago* ssp) and BYDV. Spring Annual.  
Cultivar. Seed.

PI 531188 to 531196. *Triticum aestivum* L. POACEAE Common wheat

**Donated by:** Ziong, E., Institute of Food Crops, Jiangsu Academy of  
agricultural Science, Nanjing, Jiangsu, China, Peoples Republic of.  
**remarks:** Received through J.G. Moseman, Germplasm Quality and  
Enhancement Lab., USDA-ARS, Beltsville, Maryland. Received August  
04, 1988.

PI 531188 **donor id:** Ning 7840. **origin:** China, Peoples Repub of.  
**pedigree:** Aurora/An Hui 11 (F2)/2/Su mai 3. **disease**  
**resistance:** Powdery mildew (*Erysiphe graminis*), Scab  
(*Fusarium* sp.). Winter Annual. Breeding Material.  
Seed.

PI 531189 **donor id:** Ning 8026. **origin:** China, Peoples Repub of.  
**pedigree:** Aurora/Su mai 3(F2)/2/Yang mai 2. **disease**  
**resistance:** Powdery mildew (*Erysiphe graminis*), Scab  
(*Fusarium* sp.). Winter Annual. Breeding Material.  
Seed.

PI 531190 **donor id:** Ning 8319. **origin:** China, Peoples Repub of.  
**pedigree:** Ning mai 4/Olesen (F1)/2/Alondra Sib/Yang mai 3  
(F1),F6. **disease resistance:** Powdery mildew (*Erysiphe*  
*graminis*), Scab (*Fusarium* sp.). Winter Annual. Breeding  
Material. Seed.

PI 531191 **donor id:** Ning 8331. **origin:** China, Peoples Repub of.  
**pedigree:** Yang mai 4/Ning 7071, (F6). **disease**  
**resistance:** Powdery mildew (*Erysiphe graminis*), Scab  
(*Fusarium* sp.). Winter Annual. Breeding Material.  
Seed.

PI 531188 to 531196-continued

- PI 531192 **donor id:** Ning 8343. **origin:** China, Peoples Repub of.  
**pedigree:** Yang mai 3/2/(F1) Ning 701/Su mai 1/3/Aurora (F1), F9. **disease resistance:** Powdery mildew (*Erysiphe graminis*), Scab (*Fusarium* sp.). Winter Annual. Breeding Material. Seed.
- PI 531193 **donor id:** JG 1. **origin:** China, Peoples Repub of.  
**pedigree:** Mayo\*2/Armadillo/2/Yang mai 3 (F1)/3/Aurora/Ning 3(F1). **disease resistance:** Moderate to Powdery mildew (*Erysiphe graminis*). Scab (*Fusarium* sp.). Winter Annual. Breeding Material. Seed.
- PI 531194 **donor id:** JG 2. **origin:** China, Peoples Repub of.  
**pedigree:** Mayo\*2/Armadillo/2/Ning 7317(F1)/3/(F1)P.K.B.L. 16/Wu Xihong mai. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Moderate to Scab (*Fusarium* sp.). Winter Annual. Breeding Material. Seed.
- PI 531195 **donor id:** JG 3. **origin:** China, Peoples Repub of.  
**pedigree:** Mayo\*2/Armadillo/2/Ning 7317(F1)/3/(F1)P.K.B.L. 16/Wu Xihong mai. **disease resistance:** Moderate to powdery mildew (*Erysiphe graminis*). Moderate to Scab (*Fusarium* sp.). Winter Annual. Breeding Material. Seed.
- PI 531196 **donor id:** JG 4. **origin:** China, Peoples Repub of.  
**pedigree:** Balger 118/Zhong zhou 722 (F1)/2/Su mai 3.  
**remarks:** Susceptible to Scab (*Fusarium* sp.). **disease resistance:** Powdery mildew (*Erysiphe graminis*). Winter Annual. Breeding Material. Seed.

PI 531197. *Triticum aestivum* L. POACEAE Common wheat

**Donated by:** Agripro Biosciences Inc., 6700 Antioch, Shawnee Mission, Kansas, United States. Received March 13, 1989.

**donor id:** SW84-157. **origin:** United States. **cultivar:** HANCOCK. **remarks:** Plant height short, juvenile growth habit semi-erect, green. Maturity mid-season with strong straw. Head shape strape to clavate, middense, awned, white at maturity. Shatter resistant. Seed shape ovate, brush hairs midlong to long with rounded cheeks, soft, red type. Milling and baking characteristics very good. Adapted best to Ohio, Illinois, Indiana, and northern Missouri. **disease resistance:** Stem, leaf, and stripe rusts. Powdery mildew, *Septoria tritici*, *S. nodurum*, tan spot. Soil born mosaic, barley yellow dwarf, & wheat spindle virus. Spring Annual. Cultivar. Seed.

PI 531198. *Vigna caracalla* (L.) Verdc. FABACEAE

**Donated by:** Wilkes, G.A., University of Massachusetts, Harbor Campus, Boston, Massachusetts, United States. Received January 25, 1989.

**donor id:** UNKNOWN. **origin:** Mexico. **collected:** December 13, 1988. **collector:** G.A. Wilkes. **other id:** BE-2164. **locality:** Across the valley from field station, SW facing slope, Las Joyas Natural Reserve, Sierra de Manantlan. **elevation:** 1850m. **remarks:** Vines on and associated with *Zea diploperennis* (teosinte). Most seed infested with insects and discarded. Wild. Seed.

PI 531199. *Pisum fulvum* Sibth. & Smith FABACEAE

**Donated by:** Sperling, C.R., Germplasm Services Lab., USDA-ARS, Building 001, Room 321, Beltsville, Maryland, United States. Received March 20, 1989.

**origin:** Israel. **collected:** April 25, 1988. **collector:** C.R. Sperling. **collector id:** IS-88-01-01. **locality:** Deeply creviced hard limestone, SW facing slope, among outcrops of karstic, approx. 2km W of Ammiad settlement. **latitude:** 32 deg. 56 min. N. **longitude:** 35 deg. 31 min. E. **elevation:** 370m. **remarks:** Plants occasional, 1.0-1.5m tall over scrub in shade of trees, not present in full sun. Average rainfall 600mm. Associated vegetation submediterranean deciduous Oak-park forest with much scrub. Wild. Seed.

PI 531200 to 531223. *Bothriochloa ischaemum* (L.) Keng POACEAE Yellow bluestem

**Donated by:** Taliaferro, C.M., Dept. of Agronomy, Oklahoma State University, 368 Agricultural Hall North, Stillwater, Oklahoma, United States. Received March 01, 1988.

PI 531200 **donor id:** 01. **origin:** China, Peoples Repub of. **collected:** July 29, 1987. **collector:** C.M. Taliaferro. **collector id:** 01. **locality:** Side of trail near remains of Summer Palace of Qing rulers in western suburbs, Beijing. **latitude:** 40 deg. N. **longitude:** 115 deg. 4 min. E. **remarks:** Single plant. Typical. Wild. Seed.

PI 531201 **donor id:** 03. **origin:** China, Peoples Repub of. **collected:** July 30, 1987. **collector:** C.M. Taliaferro. **collector id:** 03. **locality:** Roadside, 40km NW of Beijing, near Ming Tombs. **elevation:** ~300m. Wild. Seed.

PI 531200 to 531223-continued

- PI 531202 donor id: 04. origin: China, Peoples Repub of.  
collected: July 30, 1987. collector: C.M. Taliaferro.  
collector id: 04. locality: Roadside, 40km NW of  
Beijing, near Ming Tombs. elevation: ~300m. Wild.  
Seed.
- PI 531203 donor id: 05. origin: China, Peoples Repub of.  
collected: July 29, 1987. collector: C.M. Taliaferro.  
collector id: 05. locality: Roadside, 40km NW of  
Beijing, near Ming Tombs. elevation: ~300m. Wild.  
Seed.
- PI 531204 donor id: 06. origin: China, Peoples Repub of.  
collected: August 02, 1987. collector: C.M. Taliaferro.  
collector id: 06. locality: Small area, along roadside,  
granite outcroppings about 50km NE of Lanzhou on way to  
Gong Jing Forage Exp. Sta. latitude: 36 deg. N.  
longitude: 104 deg. E. elevation: ~1000m. remarks: Did  
not occur on Loess soil. Wild. Seed.
- PI 531205 donor id: 07A. origin: China, Peoples Repub of.  
collected: August 07, 1987. collector: C.M. Taliaferro.  
collector id: 07A. locality: Steep roadside bank, 50km N  
of Xian. latitude: 35 deg. N. longitude: 108 deg. E.  
elevation: ~300-400m. remarks: Plants rather small.  
Wild. Seed.
- PI 531206 donor id: 07B. origin: China, Peoples Repub of.  
collected: August 02, 1987. collector: C.M. Taliaferro.  
collector id: 07B. locality: Roadside, granite  
outcroppings about 50km NE of Lanzhou on way to Gong Jing  
Forage Exp. Sta. latitude: 36 deg. N. longitude: 104  
deg. E. elevation: ~1000m. remarks: No plants found on  
Loess soil below or above this area. Wild. Seed.
- PI 531207 donor id: 08A. origin: China, Peoples Repub of.  
collected: July 29, 1987. collector: C.M. Taliaferro.  
collector id: 08A. locality: Grounds, near remains of  
Summer Palace of Qing rulers in western suburbs, Beijing.  
latitude: 40 deg. N. longitude: 115 deg. 04 min. E.  
remarks: Single plant. Wild. Seed.
- PI 531208 donor id: 08B. origin: China, Peoples Repub of.  
collected: August 07, 1987. collector: C.M. Taliaferro.  
collector id: 08B. locality: Steep roadside bank, 50km N  
of Xian. latitude: 35 deg. N. longitude: 108 deg. E.  
elevation: ~300-400m. remarks: Plants typical. Wild.  
Seed.



PI 531200 to 531223-continued

- PI 531209 donor id: 09. origin: China, Peoples Repub of.  
collected: August 07, 1987. collector: C.M. Taliaferro.  
collector id: 09. locality: Grasslands, Xun Yi county,  
190km N of Xian. latitude: 36 deg. N. longitude: 108  
deg. E. elevation: 900-1000m. remarks: Plants typical,  
growing with Elymus and Agropyron. Wild. Seed.
- PI 531210 donor id: 11. origin: China, Peoples Repub of.  
collected: August 08, 1987. collector: C.M. Taliaferro.  
collector id: 11. locality: Loess plateau, 170km N of  
Xian, Xun Yi County. latitude: 35 deg. N. longitude:  
108 deg. E. elevation: ~600m. remarks: Plants typical.  
Wild. Seed.
- PI 531211 donor id: 12. origin: China, Peoples Repub of.  
collected: August 08, 1987. collector: C.M. Taliaferro.  
collector id: 12. locality: Loess plateau, 70km N of  
Xian, Xun Yi County. latitude: 35 deg. N. longitude:  
108 deg. E. elevation: 600m. Wild. Seed.
- PI 531212 donor id: 13. origin: China, Peoples Repub of.  
collected: August 08, 1987. collector: C.M. Taliaferro.  
collector id: 13. locality: Loess plateau, 170 km N of  
Xian, Xun Yi County. latitude: 35 deg. N. longitude:  
108 deg. E. elevation: ~600m. Wild. Seed.
- PI 531213 donor id: 14. origin: China, Peoples Repub of.  
collected: August 08, 1987. collector: C.M. Taliaferro.  
collector id: 14. locality: Loess plateau, 150 km N of  
Xian, Xun Yi County. latitude: 35 deg. N. longitude:  
108 deg. E. elevation: ~500m. Wild. Seed.
- PI 531214 donor id: 15. origin: China, Peoples Repub of.  
collected: August 08, 1987. collector: C.M. Taliaferro.  
collector id: 15. locality: Loess plateau, 150 km N of  
Xian, Xun Yi County. latitude: 35 deg. N. longitude:  
108 deg. E. elevation: ~500m. Wild. Seed.
- PI 531215 donor id: 16. origin: China, Peoples Repub of.  
collected: August 08, 1987. collector: C.M. Taliaferro.  
collector id: 16. locality: Loess plateau, 150 km N of  
Xian, Xun Yi County. latitude: 35 deg. N. longitude:  
108 deg. E. elevation: ~500m. Wild. Seed.
- PI 531216 donor id: 17. origin: China, Peoples Repub of.  
collected: August 08, 1987. collector: C.M. Taliaferro.  
collector id: 17. locality: Loess plateau, 150 km N of  
Xian, Xun Yi County. latitude: 35 deg. N. longitude:  
108 deg. E. elevation: ~500m. Wild. Seed.

PI 531200 to 531223-continued

- PI 531217 **donor id:** 18. **origin:** China, Peoples Repub of.  
**collected:** August 08, 1987. **collector:** C.M. Taliaferro.  
**collector id:** 18. **locality:** Loess plateau, 150km N of  
Xian, Xun Yi County. **latitude:** 35 deg. N. **longitude:**  
108 deg. E. **elevation:** ~500m. Wild. Seed.
- PI 531218 **donor id:** 20. **origin:** China, Peoples Repub of.  
**collected:** August 08, 1987. **collector:** C.M. Taliaferro.  
**collector id:** 20. **locality:** Loess plateau, 150 km N of  
Xian, Xun Yi County. **latitude:** 35 deg. N. **longitude:**  
108 deg. E. **elevation:** ~500m. Wild. Seed.
- PI 531219 **donor id:** 21. **origin:** China, Peoples Repub of.  
**collected:** August 09, 1987. **collector:** C.M. Taliaferro.  
**collector id:** 21. **locality:** Qianling Tombs, 6km N of  
Qianxian County, about 70km NW of Xian. **latitude:** 35  
deg. N. **longitude:** 108 deg. E. **elevation:** 1070m. Wild.  
Seed.
- PI 531220 **donor id:** 22. **origin:** China, Peoples Repub of.  
**collected:** August 08, 1987. **collector:** C.M. Taliaferro.  
**collector id:** 22. **locality:** Qianling Tombs, 6km N of  
Qianxian County, about 70km NW of Xian. **latitude:** 35  
deg. N. **longitude:** 108 deg. E. **elevation:** 1050m. Wild.  
Seed.
- PI 531221 **donor id:** 24. **origin:** China, Peoples Repub of.  
**collected:** August 09, 1987. **collector:** C.M. Taliaferro.  
**collector id:** 24. **locality:** Qianling Tombs, 6km N of  
Qianxian County, about 70km NW of Xian. **latitude:** 35  
deg. N. **longitude:** 108 deg. E. **elevation:** 1050m. Wild.  
Seed.
- PI 531222 **donor id:** 25. **origin:** China, Peoples Repub of.  
**collected:** August 09, 1987. **collector:** C.M. Taliaferro.  
**collector id:** 25. **locality:** Qianling Tombs, 6km N of  
Qianxian County, about 70km NW of Xian. **latitude:** 35  
deg. N. **longitude:** 108 deg. E. **elevation:** 1050m. Wild.  
Seed.
- PI 531223 **donor id:** 34. **origin:** China, Peoples Repub of. **origin**  
**institute:** Institute of Animal Science, Lanzhou.  
**collected:** May 1987. **collector:** Lu Xinshi. **collector**  
**id:** 34. **locality:** Lanzhou, Ganzu Province. Wild. Seed.

PI 531224 to 531227. *Bothriochloa* sp. POACEAE

**Donated by:** Taliaferro, C.M., Dept. of Agronomy, Oklahoma State  
University, 368 Agricultural Hall North, Stillwater, Oklahoma,  
United States. Received March 01, 1988.

PI 531224 to 531227-continued

PI 531224 donor id: 26. origin: China, Peoples Repub of.  
collected: August 14, 1987. collector: C.M. Taliaferro.  
collector id: 26. locality: Roadside, 30km S of Nanjing.  
latitude: 32 deg. N. longitude: 118 deg. E. elevation:  
60m. Wild. Seed.

PI 531225 donor id: 27. origin: China, Peoples Repub of.  
collected: August 14, 1987. collector: C.M. Taliaferro.  
collector id: 27. locality: Roadside, 30km S of Nanjing.  
latitude: 32 deg. N. longitude: 118 deg. E. elevation:  
50m. Wild. Seed.

PI 531226 donor id: 29. origin: China, Peoples Repub of.  
collected: August 14, 1987. collector: C.M. Taliaferro.  
collector id: 29. locality: Roadside, 30km S of Nanjing.  
latitude: 32 deg. N. longitude: 118 deg. E. elevation:  
50m. Wild. Seed.

PI 531227 donor id: 31. origin: China, Peoples Repub of.  
collected: August 18, 1987. collector: C.M. Taliaferro.  
collector id: 31. locality: Roadside, 30km S of Nanjing.  
latitude: 32 deg. N. longitude: 118 deg. E. elevation:  
50m. Wild. Seed.

PI 531228. *Hordeum vulgare* L. POACEAE Barley

Donated by: Hockett, E.A., USDA-ARS, Plant & Soil Science Dept.,  
Montana State University, Bozeman, Montana, United States. Received  
April 05, 1989.

donor id: MT 81616. origin: United States. cultivar:  
BEARPAW. pedigree: TR440=Klages//Zephyr/Centennial.  
other id: CV-217. group: CSR-BARLEY. remarks: Two-rowed  
type. Cultivar. Seed.

PI 531229. *Lolium perenne* L. POACEAE Perennial ryegrass

Donated by: Funk, C.R., Soils and Crops Dept., New Jersey  
Agricultural Experiment Stn., Cook College, Rutgers University, New  
Brunswick, New Jersey, United States. remarks: Developed through  
cooperative efforts of Normarc, Inc., Pickseed West, and New Jersey  
Agricultural Experiment Station, August 1988. Received April 10,  
1989.

**donor id:** Normarc N-86. **origin:** United States.  
**cultivar:** PINNACLE. **pedigree:** Advanced generation  
synthetic selected from maternal progenies of 14 clones.  
**other id:** CV-123. **group:** CSR-OTHER GRASSES. **other id:**  
PVP No. 8800238 (Application). **remarks:** Plants leafy,  
persistant, moderately dense, low growing, fine textured,  
bright dark green with reduced vertical growth rate,  
requiring less nitrogen and improved mowing qualities.  
Heat tolerance good. Excellent wear tolerance and  
recuperative abilities, produces little thatch and has  
moderate shade tolerance. Suitable where perennial  
ryegrass well adapted. Moderately susceptible to races of  
stem rust. **disease resistance:** Many races of crown rust  
(Puccinia coronata). Brown patch (Rhizoctonia solani).  
Winter net blotch (Drechslera dictyoides). Perennial.  
Cultivar. Seed.

PI 531230. Festuca arundinacea Schreber POACEAE Tall fescue

**Donated by:** Bailey, R.H., Bailey Seed, 2700 - 19th Street, S.E., No. 1, Salem, Oregon, United States. **remarks:** Developed and released in August 1977 by Jacklin Seed Co., Post Falls, Idaho and Jonathan Green and Sons, Inc., Farmingdale, New Jersey. Received April 10, 1989.

**donor id:** Jacklin DB-1. **origin:** United States.  
**cultivar:** MESA. **pedigree:** Synthetic selected from  
progenies of 8 clones originating from Georgia, Idaho,  
New Jersey and Pennsylvania and 'Rebel' followed by  
intercrossing clones with the best combining ability.  
**other id:** CV-38. **group:** CSR-FESCUE. **other id:** DBC.  
**other id:** PVP 8800082. **source:** Certificate in force.  
**group:** PVPO. **remarks:** Plants leafy, persistant, medium  
density and texture with rich dark green color and  
upright growth habit. Moderate tolerance to close mowing.  
Adapted to growing areas in full sun to moderate shade.  
**disease resistance:** Medium-good to Net blotch, large  
brown patch. **cold tolerance:** New Jersey conditions.  
**drought tolerance:** Good. Perennial. Cultivar. Seed.

PI 531231. Sorghum bicolor (L.) Moench POACEAE Sorghum

**Donated by:** Duncan, R.R., Dept. of Agronomy, University of Georgia Agr. Exp. Station, Griffin, Georgia, United States. **remarks:** Released by the University of Georgia Agric. Exp. Station, and the USDA-ARS Tropical Agric. Research Station, March 1988. Received April 10, 1989.

PI 531231-continued

**donor id:** GPP4BR(H)C5. **origin:** United States. **pedigree:** Cross-pollinating 12 experimental male-sterile maintainer (B line, Al cytoplasm system) families and 28 male-fertile restorer families onto male sterile GP1R. **other id:** GP-234. **group:** CSR-SORGHUM. **remarks:** Population with acid soil tolerance. Plants highly variable for many plant and seed characteristics. Adapted to tropical and subtropical environments and acidic soils with Al saturations of 50% or less. **disease resistance:** Anthracnose races prevalent in Puerto Rico. Annual. Breeding Material. Seed.

PI 531232. Zea mays L. POACEAE Corn

**Donated by:** Coors, J.G.; Mardons, M.C., Dept. of Agronomy, University of Wisconsin, Madison, Wisconsin, United States. **remarks:** Approved as a germplasm source for prolificacy, December 8, 1987. Received April 10, 1989.

\* Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** WGG(MP) C15. **pedigree:** 15 cycles of bi-parental mass selection for prolificacy in 'Golden Glow'. **other id:** GP-197. **source:** Crop Sci. 29(6):1579 1989. **group:** CSR-MAIZE. **locality:** Guadalajara. **remarks:** Population source of prolificacy. Maturity AES 300. Plant height and ear height reduced, flowering earlier, moisture content decreased. Annual. Breeding Material. Seed.

PI 531233 to 531234. Zea mays L. POACEAE Corn

**Donated by:** Coors, J.G.; Mardons, M.C., Dept. of Agronomy, University of Wisconsin, Madison, Wisconsin, United States. **remarks:** Developed under the direction of the late J.H. Lonngquist and J.G. Coors. Released by the Agr. Exp. Station, Univ. of Wisconsin, December 8, 1987. Received April 10, 1989.

\* PI 531233 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** W3L Comp-HS C4. **pedigree:** Selection from the fourth cycle of half-sib (HS) and selfed (S1) progenies of A635, W182E and W64A. **other id:** GP-198. **source:** Crop Sci. 29(6):1579 1989. **group:** CSR-MAIZE. **locality:** Guadalajara. **remarks:** Narrow-based composite population selected for increased grain yield and reduced grain moisture. Maturity AES 400. Grain yield increased by 3.5% and grain moisture decreased by 1.5% from first to fourth cycle. Pooled estimates of broad-sense heritabilities 0.34 for grain yield and 0.68 for grain moisture. Annual. Breeding Material. Seed.

PI 531233 to 531234-continued

\* PI 531234 *Zea mays* L. subsp. *mays* POACEAE Corn  
**origin:** United States. **cultivar:** W3L Comp-S1 C4.  
**pedigree:** Selection from the fourth cycle of half-sibs  
(HS) and selfed (S) progenies of A635, W182E, and W64A.  
**other id:** GP-199. **source:** Crop Sci. 29(6):1579 1989.  
**group:** CSR-MAIZE. **locality:** Guadalajara. **remarks:**  
Narrow-based composite population selected for increased  
grain yield and reduced grain moisture. Maturity AES 400.  
Grain yield increased by 3.5% and grain moisture  
decreased by 1.5% from first to fourth cycle. Pooled  
estimates of broad-sense heritabilities 0.76 for grain  
yield and 0.88 for. Annual. Breeding Material. Seed.

PI 531235. *Phaseolus vulgaris* L. FABACEAE Navy bean

**Donated by:** Kelley, J.D., Dept. of Crop and Soil Sciences, Michigan  
State University, East Lansing, Michigan, United States. **remarks:**  
Developed and released cooperatively by the Michigan Agric. Exp.  
Station and USDA-ARS in 1987. Received April 10, 1989.

**donor id:** N84024. **origin:** United States. **cultivar:**  
MAYFLOWER. **pedigree:** N80043[61627(NEP-2/Black Turtle  
Soup)/2W-33-2]/C-20. **other id:** CV-80. **group:** CSR-OTHER  
LEGUMES. **other id:** PVP 8900186. **source:** Pending.  
**group:** PVPO. **remarks:** Growth habit type-II upright and  
short vine habit. Mature plants 53cm tall, erect, narrow  
in profile with few basal branches. Maturity 93-98 days,  
midseason. Seeds ovoid, white, 20.3g/100. Dry seed color  
bright white. Tolerance to ozone. **disease resistance:**  
BCMV (I-gene hypersensitive form). Anthracnose (beta and  
gamma races). Rust races. Tolerant to halo blight and  
angular leaf spot. Winter Annual. Cultivar. Seed.

PI 531236 to 531241. *Sesamum indicum* L. PEDALIACEAE Sesame

**Donated by:** McBee, G.G., Department of Soil & Crop Sciences, Texas A  
& M University, College Station, Texas, United States. **remarks:**  
Selections from Texas Agric. Experiment Station program. Seed  
produced in 1988. Received April 14, 1989.

PI 531236 **donor id:** No. 103. **origin:** United States. **remarks:**  
Plants 1.6m tall, single-stemmed under high planting  
rate. Days to flowering 43. Height of first capsule 57cm.  
Capsules semi-shattering, possess enantiomers, length  
4.4cm, three per axil, four locules. Maturity medium.  
Seeds large, grey-white. Breeding Material. Seed.

PI 531236 to 531241-continued

- PI 531237 **donor id:** No. 106. **origin:** United States. **remarks:** Plants 1.3m tall, single-stemmed under high planting rate. Days to flowering 44. Height of first capsule 40cm. Capsules indehiscent, possess enantiomers, length 4.4cm, three per axil, four locules. Maturity medium. Seeds large, white. Breeding Material. Seed.
- PI 531238 **donor id:** No. 289. **origin:** United States. **remarks:** Plants 1.7m tall, single-stemmed under high planting rate. Days to flowering 48. Height of first capsule 112cm. Capsules indehiscent, possess enantiomers, length 3.75cm, three per axil, four locules. Maturity medium. Seeds large, brown. Breeding Material. Seed.
- PI 531239 **donor id:** No. 676. **origin:** United States. **remarks:** Plants 1.45m, single-stemmed under high planting rate. Days to flowering 44. Height of first capsule 40cm. Capsules indehiscent, possess enantiomers, length 3.75cm, two-three per axil, four locules. Maturity medium. Seeds medium, white. Breeding Material. Seed.
- PI 531240 **donor id:** No. 682. **origin:** United States. **remarks:** Plants 1.45m, single-stemmed under high planting rate. Days to flowering 43. Height of first capsule 50cm. Capsules indehiscent, possess enantiomers, length 4.4cm, three per axil, four locules. Maturity medium. Seeds large, white. Breeding Material. Seed.
- PI 531241 **donor id:** No. 721. **origin:** United States. **remarks:** Plants 1.38m, single-stemmed under high planting rate. Days to flowering 43. Height of first capsule 42cm. Capsules indehiscent, possess enantiomers, length 4.4cm, two-three per axil, four locules. Maturity medium. Seeds large, white, few tan. Breeding Material. Seed.

PI 531242 to 531246. *Triticum aestivum* L. POACEAE Common wheat

**Donated by:** Nickerson American Plant Breeders, Inc., 6700 Antioch, Shawnee Mission, Kansas, United States. Received February 01, 1989.

- PI 531242 **donor id:** W83-256. **origin:** United States. **cultivar:** BRONCO. **pedigree:** Payne/W78-069. **remarks:** Hard red type. Plants tall, semidwarf, semi-erect to erect, green. Maturity medium. Heads middense, strape, awned. Glumes white, narrow, short, round to square shoulders. Seeds ovate to elliptical, cheeks round. Yield high. Flag leaf twisted. Baking properties acceptable. Moderately susceptible to Powdery Mildew (*Erysiphe graminis*). **disease resistance:** Moderate to stem(*Puccinia graminis*); leaf (*P. recondita*)rusts. Winter Annual. Cultivar. Seed.

PI 531242 to 531246-continued

- PI 531243 **donor id:** HS84-873. **origin:** United States. **cultivar:** FJELD. **pedigree:** MN7357/Len. **remarks:** Plants semidwarf, semi erect, green at boot stage. Maturity early. Heads tapered, strape, middense, awned, white at maturity. Lodging resistance very good. Seeds oval to ovate. Yield high. Milling and baking properties acceptable. **disease resistance:** Leaf (*Puccinia recondita*) and stem (*P. graminis*) rusts. Fair to foliar diseases. Spring Annual. Cultivar. Seed.
- PI 531244 **donor id:** W81-162. **origin:** United States. **cultivar:** RIO BLANCO. **pedigree:** OK11252A/W76-1226. **remarks:** Hard white type. Plants short to intermediate, semidwarf, semi erect, green at boot stage. Head tapered, middense, awned, white at maturity. Glumes glabrous, midlong to long. Seeds ovate to elliptical with rounded cheeks, narrow and shallow. Yield high. Milling and baking properties good. Susceptible to Powdery Mildew (*Erysiphe graminis*). **disease resistance:** Soil borne mosaic virus. Winter Annual. Cultivar. Seed.
- PI 531245 **donor id:** W84-229. **origin:** United States. **cultivar:** SIERRA. **pedigree:** W79-227/Payne. **remarks:** Hard red type. Plants intermediate, semidwarf, green at boot stage. Straw strength excellent. Heads tapered, middense, awned, white at maturity. Glumes short to midlong, width medium, shoulders square to round with long acuminate beaks. Seeds ovate to elliptical, rounded cheeks, midlong brush hairs. Milling and baking properties acceptable. Moderate to susceptible to Powdery Mildew (*Erysiphe graminis*). **disease resistance:** Moderate to stem (*Puccinia graminis*); leaf (*P. recondita*) rusts. Winter Annual. Cultivar. Seed.
- PI 531246 **donor id:** W83-253. **origin:** United States. **cultivar:** WACO. **pedigree:** WW77-355/MN70113. **remarks:** Hard red type. Plants intermediate semidwarf, green at boot stage. Maturity very early. Flag leaf erect, twisted. Heads tapered, middense, awned, white at maturity. Glumes glabrous. Seeds ovate, midlong brush length, rounded cheeks. Seed crease narrow and shallow. Milling and baking properties very good. Moderately susceptible to stem rust (*Puccinia graminis*). **disease resistance:** Moderate to Powdery mildew (*Erysiphe graminis*). Leaf rust (*Puccinia recondita*). Winter Annual. Cultivar. Seed.



PI 531247 to 531248. *Triticum aestivum* L. POACEAE Common wheat

**Donated by:** Ohm, H.W., Dept. of Agronomy, Purdue University, Lilly Hall of Life Sciences, West Lafayette, Indiana, United States.  
**remarks:** Released by the Purdue University Agric. Exp. Station, January 1989. Received May 02, 1989.

PI 531247 **donor id:** 76788G2-5-4-94. **origin:** United States. **cultivar:** INW8841. **pedigree:** Beau/2/65256A1-9/6575A2-7-1-1-5. **remarks:** Soft red type. Yield potential high. Test weight excellent. Lodging resistance excellent. Winter hardiness good. Plants upright in seedling stage. Awnletted. Glumes white at maturity. Milling and baking qualities good. **disease resistance:** Powdery mildew, leaf & stem rusts, Septoria leaf blotch. Moderate to soil-borne mosaic. High tolerance to take-all. **insect resistance:** Hessian fly (biotypes GP, A, B, and D). Spring Annual. Cultivar. Seed.

PI 531248 **donor id:** 77249RC1-133-3. **origin:** United States. **cultivar:** INW8852. **pedigree:** Beau/2/65256A1-8-1/67137B5-16/4/Sullivan/3/Beau/2/5517B8-5-3-3/Logan. **remarks:** Soft red type. Lodging resistance high. Winter hardiness good. Plants upright in seedling stage. Spikes awned with brown glumes, 4 kernels per spikelet. Milling and baking qualities acceptable. **disease resistance:** Powdery mildew, leaf & stem rusts, Septoria leaf blotch. Moderate to soil-borne mosaic. High tolerance to take-all. **insect resistance:** Hessian fly (biotypes GP, A, B, and D). Spring Annual. Cultivar. Seed.

PI 531249. *Hordeum vulgare* L. POACEAE Barley

**Donated by:** Wesenberg, D.M., Aberdeen Research and Extension Center, USDA-ARS, P.O. Box 307, Aberdeen, Idaho, United States. **remarks:** Developed cooperatively by USDA-ARS and the Idaho and Oregon Agric. Experiment Stations. Received April 17, 1989.

**donor id:** 78Ab6871. **origin:** United States. **cultivar:** CRYSTAL. **pedigree:** Columba/Klages. **remarks:** Plants two-rowed, malting type. Maturity midseason. Spikes lax, mid-long to long. Awns rough. Rachilla hairs long. Aleurone white. Yield, test weight, kernel plumpness, and lodging resistance superior to Klages. Malting quality acceptable, similar to Klages. Kernel color retention good. **disease resistance:** Field tolerance to *Pseudomonas* kernel blight. Spring Annual. Cultivar. Seed.

PI 531250. *Agrostis gigantea* Roth POACEAE

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

**donor id:** 11. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** KESZTHELYI. Annual. Cultivar. Seed.

PI 531251. *Agrostis stolonifera* L. POACEAE

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

**donor id:** 12. **origin:** Hungary. **origin institute:** I.A.Q., Tapioszele. **cultivar:** KESZTHELYI 4. Annual. Cultivar. Seed.

PI 531252 to 531266. *Beta vulgaris* L. CHENOPODIACEAE Sugarbeet

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

PI 531252 **donor id:** 124. **origin:** Hungary. **origin institute:** I.A.Q., Tapioszele. **cultivar:** BETA MONOPOLY N 1. **other id:** V-64-24. Annual. Cultivar. Seed.

PI 531253 **donor id:** 125. **origin:** Denmark. **cultivar:** DAMA. **other id:** 567/85. **received as:** *B. vulgaris* convar. *crassa* var. *altissima*. Annual. Cultivar. Seed.

PI 531254 **donor id:** 126. **origin:** Germany, Federal Rep of. **cultivar:** KAWEMAJA. **other id:** V-64-148. **received as:** *B. vulgaris* convar. *crassa* var. *altissima*. Annual. Cultivar. Seed.

PI 531255 **donor id:** 127. **origin:** Denmark. **cultivar:** MARIBO MONOVA. **other id:** V-64-32. **received as:** *B. vulgaris* convar. *crassa* var. *altissima*. Annual. Cultivar. Seed.

PI 531256 **donor id:** 128. **origin:** German Democratic Repub. **cultivar:** PERLA. **other id:** V-64-118. **received as:** *B. vulgaris* convar. *crassa* var. *altissima*. Annual. Cultivar. Seed.

PI 531257 **donor id:** 129. **origin:** Netherlands. **cultivar:** PURESSA. **other id:** 79/80. Annual. Cultivar. Seed.

PI 531252 to 531266-continued

- PI 531258 donor id: 130. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: VITOLA. other id: 568/85. received as: B. vulgaris convar. crassa var. altissima. Annual. Cultivar. Seed.
- PI 531259 donor id: 132. origin: Hungary. origin institute: I.A.Q., Tapioszele. cultivar: BIBOR HENGER. other id: V-65-17. Annual. Cultivar. Seed.
- PI 531260 donor id: 133. origin: Soviet Union. cultivar: BORDO. other id: 3388/86. Annual. Cultivar. Seed.
- PI 531261 donor id: 134. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: DETROIT. other id: 3387/86. Annual. Cultivar. Seed.
- PI 531262 donor id: 135. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: BABOLNAI SARGA HENGER. other id: V-63-9. received as: B. vulgaris convar. crassa var. crassa. Annual. Cultivar. Seed.
- PI 531263 donor id: 136. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: BETA VOROSHENGER. received as: B. vulgaris convar. crassa var. crassa. Annual. Cultivar. Seed.
- PI 531264 donor id: 137. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: FERTODI VOROS. other id: V-63-11. received as: B. vulgaris convar. crassa var. crassa. Annual. Cultivar. Seed.
- PI 531265 donor id: 138. origin: Hungary. origin institute: I.A.Q., Tapioszele. cultivar: OPTINIA. received as: B. vulgaris convar. crassa var. crassa. Annual. Cultivar. Seed.
- PI 531266 donor id: 139. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: ROZSASZINU BETA. other id: V-63-8. received as: B. vulgaris convar. crassa var. crassa. Annual. Cultivar. Seed.

PI 531267 to 531271. Brassica juncea (L.) Czernj. & Cosson  
BRASSICACEAE Brown mustard

Donated by: Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. remarks: Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

- PI 531267 donor id: 144. origin: China, Peoples Repub of. cultivar: GAI-CAI-TAI. other id: VI-228-2. Annual. Cultivar. Seed.

PI 531267 to 531271-continued

PI 531268 **donor id:** 145. **origin:** China, Peoples Repub of.  
**cultivar:** HEI-YE-MI-TOU-GAI. **other id:** VI-228-1.  
Annual. Cultivar. Seed.

PI 531269 **donor id:** 146. **origin:** China, Peoples Repub of.  
**cultivar:** HUA-SIAO. **other id:** VI-228-3. Annual.  
Cultivar. Seed.

PI 531270 **donor id:** 147. **origin:** Soviet Union. **other id:**  
VI-228-26. Annual. Cultivated. Seed.

PI 531271 **donor id:** 148. **origin:** UNKNOWN. **cultivar:** VITTASSO.  
**other id:** 181/87. Annual. Cultivar. Seed.

PI 531272. *Brassica juncea* var. *longidens* L. Bailey BRASSICACEAE

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre  
for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers  
refer to Index Seminum 1987-1990. Received May 1989.

**donor id:** 149. **origin:** Hungary. **origin institute:**  
I.A.Q., Tapioszele. **cultivar:** BUDAKALASZI FEKETE.  
Annual. Cultivar. Seed.

PI 531273 to 531288. *Brassica napus* L. BRASSICACEAE Rape

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre  
for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers  
refer to Index Seminum 1987-1990. Received May 1989.

PI 531273 **donor id:** 150. **origin:** Hungary. **origin institute:**  
I.P.P.O., Tapioszele. **cultivar:** ATTILA. **other id:**  
4023/87. **received as:** *B. napus* convar. *napus* f. *biennis*.  
Annual. Cultivar. Seed.

PI 531274 **donor id:** 151. **origin:** Netherlands. **cultivar:** BARKANT.  
**other id:** 166/87. **received as:** *B. napus* convar. *napus* f.  
*biennis*. Annual. Cultivar. Seed.

PI 531275 **donor id:** 152. **origin:** German Democratic Repub.  
**cultivar:** BNW. 1 61/83. **other id:** 4007/87. **received as:**  
*B. napus* convar. *napus* f. *biennis*. Annual. Cultivar.  
Seed.

PI 531276 **donor id:** 153. **origin:** German Democratic Repub.  
**cultivar:** BNW. 1 62/83. **other id:** 4006/87. **received as:**  
*B. napus* convar. *napus* f. *biennis*. Annual. Cultivar.  
Seed.

PI 531273 to 531288-continued

- PI 531277 **donor id:** 155. **origin:** France. **cultivar:** DARMAR. **other id:** 4022/87. **received as:** B. napus convar. napus f. biennis. Annual. Cultivar. Seed.
- PI 531278 **donor id:** 156. **origin:** Germany, Federal Rep of. **cultivar:** ELENA. **other id:** 4017/87. **received as:** B. napus convar. napus f. biennis. Annual. Cultivar. Seed.
- PI 531279 **donor id:** 158. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** GK SAVARIA. **other id:** 4027/87. **received as:** B. napus convar. napus f. biennis. Annual. Cultivar. Seed.
- PI 531280 **donor id:** 159. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** IR-2. **other id:** VI-12-61. **received as:** B. napus convar. napus f. biennis. Annual. Cultivar. Seed.
- PI 531281 **donor id:** 161. **origin:** Germany, Federal Rep of. **cultivar:** LIBRADOR. **other id:** 4020/87. **received as:** B. napus convar. napus f. biennis. Annual. Cultivar. Seed.
- PI 531282 **donor id:** 162. **origin:** Germany, Federal Rep of. **cultivar:** LINDORE. **other id:** 4018/87. **received as:** B. napus convar. napus f. biennis. Annual. Cultivar. Seed.
- PI 531283 **donor id:** 163. **origin:** Germany, Federal Rep of. **cultivar:** LINGLANDOR. **other id:** 4013/87. **received as:** B. napus convar. napus f. biennis. Annual. Cultivar. Seed.
- PI 531284 **donor id:** 164. **origin:** Germany, Federal Rep of. **cultivar:** LIRATROP. **other id:** 4025/87. **received as:** B. napus convar. napus f. biennis. Annual. Cultivar. Seed.
- PI 531285 **donor id:** 165. **origin:** Germany, Federal Rep of. **cultivar:** LIROPA. **other id:** 4019/87. **received as:** B. napus convar. napus f. biennis. Annual. Cultivar. Seed.
- PI 531286 **donor id:** 166. **origin:** Germany, Federal Rep of. **cultivar:** MARINUS. **other id:** 4014/87. **received as:** B. napus convar. napus f. biennis. Annual. Cultivar. Seed.

PI 531273 to 531288-continued

PI 531287 **donor id:** 168. **origin:** Germany, Federal Rep of.  
**cultivar:** SANTANA. **other id:** 4026/87. **received as:** B.  
napus convar. napus f. biennis. Annual. Cultivar.  
Seed.

PI 531288 **donor id:** 170. **origin:** Hungary. **origin institute:**  
I.P.P.O., Tapioszele. **cultivar:** UJFERTODI. **other id:**  
4012/87. **received as:** B. napus convar. napus f. biennis.  
Annual. Cultivar. Seed.

PI 531289. *Calendula arvensis* L. ASTERACEAE

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre  
for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers  
refer to Index Seminum 1987-1990. Received May 1989.

**donor id:** 215. **origin:** Hungary. **origin institute:**  
I.P.P.O., Tapioszele. **other id:** 74. **locality:**  
Duna-tisza koze. Annual. Wild. Seed.

PI 531290. *Carum carvi* L. APIACEAE Caraway

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre  
for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers  
refer to Index Seminum 1987-1990. Received May 1989.

**donor id:** 396. **origin:** Japan. **cultivar:** JAPAN B. **other**  
**id:** 341/84. Annual. Cultivar. Seed.

PI 531291 to 531292. *Cichorium intybus* L. ASTERACEAE Chicory

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre  
for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers  
refer to Index Seminum 1987-1990. Received May 1989.

PI 531291 **donor id:** 400. **origin:** Hungary. **origin institute:**  
I.P.P.O., Tapioszele. **other id:** 33. **locality:** Mezofold  
es Softi-siksag. Annual. Wild. Seed.

PI 531292 **donor id:** 401. **origin:** Hungary. **origin institute:**  
I.P.P.O., Tapioszele. **other id:** 29. **locality:** Borzsony  
a Godolloi-dombvidekkel. Annual. Wild. Seed.

PI 531293 to 531296. *Coriandrum sativum* L. APIACEAE Coriander

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre  
for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers  
refer to Index Seminum 1987-1990. Received May 1989.

PI 531293 to 531296-continued

- PI 531293 **donor id:** 438. **origin:** Hungary. **origin institute:** I.A.Q., Tapioszele. **cultivar:** CSILLAG. **other id:** VIII-25-28. Annual. Cultivar. Seed.
- PI 531294 **donor id:** 439. **origin:** UNKNOWN. **cultivar:** LUCS. **other id:** VIII-25-24. Annual. Cultivar. Seed.
- PI 531295 **donor id:** 440. **origin:** Poland. **other id:** VIII-25-20. Annual. Cultivated. Seed.
- PI 531296 **donor id:** 441. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **other id:** VIII-25-28. Annual. Cultivated. Seed.

PI 531297 to 531307. Cucumis melo L. CUCURBITACEAE

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

- PI 531297 **donor id:** 443. **origin:** Hungary. **origin institute:** I.A.Q., Tapioszele. **cultivar:** ANANASZ VOROSHUSU. **other id:** VII-7-291. Annual. Cultivar. Seed.
- PI 531298 **donor id:** 445. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** EZUST ANANASZ. **other id:** VII-7-292. Annual. Cultivar. Seed.
- PI 531299 **donor id:** 446. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** HYBRID 7. **other id:** 3979/87. Annual. Cultivar. Seed.
- PI 531300 **donor id:** 447. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** HOGOLYO. **other id:** VII-7-345. Annual. Cultivar. Seed.
- PI 531301 **donor id:** 448. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** JAVITOTT ZENTAI. **other id:** VII-7-351. Annual. Cultivar. Seed.
- PI 531302 **donor id:** 450. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** MAGYAR KINCS. **other id:** VII-7-347. Annual. Cultivar. Seed.
- PI 531303 **donor id:** 452. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** POCOK. Annual. Cultivar. Seed.
- PI 531304 **donor id:** 453. **origin:** Hungary. **origin institute:** I.A.Q., Tapioszele. **cultivar:** TETENYI CSERESHEJU. **other id:** VII-7-333. Annual. Cultivar. Seed.

PI 531297 to 531307-continued

- PI 531305 donor id: 455. origin: United Kingdom. other id: 2964/83. Annual. Cultivated. Seed.
- PI 531306 donor id: 456. origin: Soviet Union. other id: 1653/83. Annual. Cultivated. Seed.
- PI 531307 donor id: 457. origin: Soviet Union. other id: 1663/83. Annual. Cultivated. Seed.

PI 531308 to 531314. Cucumis sativus L. CUCURBITACEAE Cucumber

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

- PI 531308 donor id: 458. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: BUDAI CSEMEGE. other id: VII-4-367. Annual. Cultivar. Seed.
- PI 531309 donor id: 462. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: KECSKEMETI BOTERMO. other id: VII-4-350. Annual. Cultivar. Seed.
- PI 531310 donor id: 463. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: KECSKEMETI CSEMEGE. other id: 3935/87. Annual. Cultivar. Seed.
- PI 531311 donor id: 464. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: KECSKEMETI HAJTATO. other id: 3937/87. Annual. Cultivar. Seed.
- PI 531312 donor id: 465. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: KECSKEMETI KESEREDESMENTES KONZERV. other id: VII-4-349. Annual. Cultivar. Seed.
- PI 531313 donor id: 466. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: KECSKEMETI LIVME. other id: 3936/87. Annual. Cultivar. Seed.
- PI 531314 donor id: 467. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: MINERVA WEIBLICHE LINIE. other id: VII-4-421. Annual. Cultivar. Seed.

PI 531315 to 531320. Cucurbita pepo L. CUCURBITACEAE

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers refer to Index Seminum 1987-1990. Received May 1989.



PI 531315 to 531320-continued

- PI 531315 donor id: 485. origin: Hungary. origin institute: I.A.Q., Tapioszele. cultivar: DAKI 802. other id: 3960/87. Annual. Cultivar. Seed.
- PI 531316 donor id: 487. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: INDATLAN FEHER. Annual. Cultivar. Seed.
- PI 531317 donor id: 488. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: KECSKEMETI. other id: 5472/83. Annual. Primitive Cultivar. Seed.
- PI 531318 donor id: 489. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: SZENDEHELYI. other id: 5196/83. Annual. Primitive Cultivar. Seed.
- PI 531319 donor id: 490. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: VE CSESI INDAS. other id: VII-5-410. Annual. Cultivar. Seed.
- PI 531320 donor id: 495. origin: Hungary. origin institute: I.A.Q., Tapioszele. cultivar: OVARI FEHER. other id: VII-5-411. received as: C. pepo convar. melopepo L. provar. patisonia Greb.. Annual. Cultivar. Seed.

PI 531321 to 531323. Cucurbita pepo L. subsp. pepo CUCURBITACEAE

Donated by: Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. remarks: Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

- PI 531321 donor id: 496. origin: Hungary. origin institute: I.A.Q., Tapioszele. cultivar: KAKAI. other id: 258/87. received as: C. pepo var. styriaca. Annual. Cultivar. Seed.
- PI 531322 donor id: 497. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: SZENTESI FUTO. other id: 257/87. received as: C. pepo var. styriaca. Annual. Cultivar. Seed.
- PI 531323 donor id: 498. origin: Hungary. origin institute: I.A.Q., Tapioszele. cultivar: SZENTESI OLIVA. other id: 3958/87. received as: C. pepo var. styriaca. Annual. Cultivar. Seed.

PI 531324 to 531330. *Daucus carota* L. APIACEAE Carrot

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

PI 531324 **donor id:** 521. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** BACSBOKODI. **other id:** 5926/86. Annual. Primitive Cultivar. Seed.

PI 531325 **donor id:** 527. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** FERTODI VOROS. **other id:** 599/86. Annual. Cultivar. Seed.

PI 531326 **donor id:** 535. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** KISKUNHALASI. **other id:** 5948/86. Annual. Primitive Cultivar. Seed.

PI 531327 **donor id:** 540. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** NYIREGYHAZI 1. **other id:** 5050/85. Annual. Primitive Cultivar. Seed.

PI 531328 **donor id:** 541. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** NYIREGYHAZI 2. **other id:** 5078/86. Annual. Primitive Cultivar. Seed.

PI 531329 **donor id:** 542. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **cultivar:** NYIREGYHAZI 3. **other id:** 5102/86. Annual. Primitive Cultivar. Seed.

PI 531330 **donor id:** 546. **origin:** Hungary. **origin institute:** I.P.P.O., Tapioszele. **locality:** Zalai dombvidek. Annual. Wild. Seed.

PI 531331 to 531332. *Eruca sativa* Miller BRASSICACEAE Garden rocket

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

PI 531331 **donor id:** 559. **origin:** Czechoslovakia. **other id:** VII-497-1. Cultivated. Seed.

PI 531332 **donor id:** 560. **origin:** United Kingdom. **other id:** VII-497-2. Cultivated. Seed.

PI 531333 to 531337. *Foeniculum vulgare* Miller APIACEAE Fennel

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

PI 531333 to 531337-continued

- PI 531333 donor id: 604. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: BUDAKALASZI. other id: 3414/86. Cultivar. Seed.
- PI 531334 donor id: 605. origin: Czechoslovakia. cultivar: CSEHSZLOVAK "A". other id: 305/84. Cultivar. Seed.
- PI 531335 donor id: 606. origin: Belgium. other id: VIII-7-5. Cultivated. Seed.
- PI 531336 donor id: 607. origin: Hungary. origin institute: I.P.P.O., Tapioszele. other id: VIII-7-2. Cultivated. Seed.
- PI 531337 donor id: 608. origin: Romania. other id: 667/84. Cultivated. Seed.

PI 531338 to 531395. Helianthus annuus L. ASTERACEAE Sunflower

Donated by: Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. remarks: Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

- PI 531338 donor id: 675. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: BARBARA. Cultivar. Seed.
- PI 531339 donor id: 676. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: BEKECSI "B". other id: VI-2-380. Cultivar. Seed.
- PI 531340 donor id: 677. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: BODROGHALMI. other id: VI2-520. Cultivar. Seed.
- PI 531341 donor id: 678. origin: Poland. cultivar: BOROWSKI ULEPSZONY. other id: VI-2-257. Cultivar. Seed.
- PI 531342 donor id: 681. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: CITOSOL 3. Cultivar. Seed.
- PI 531343 donor id: 682. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: CITOSOL 4. Cultivar. Seed.
- PI 531344 donor id: 684. origin: UNKNOWN. cultivar: CSAKINSKI. other id: VI-2-181. Cultivated. Seed.

PI 531338 to 531395-continued

- PI 531345 donor id: 685. origin: Czechoslovakia. cultivar: CSEHSZLOVAKIAI "B". other id: VI-2-533. Cultivated. Seed.
- PI 531346 donor id: 686. origin: Czechoslovakia. cultivar: CSEHSZLOVAKIAI "I". other id: VI-2-678. Cultivated. Seed.
- PI 531347 donor id: 687. origin: France. cultivar: ELIA. Cultivar. Seed.
- PI 531348 donor id: 689. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: FARMOSI "A". other id: VI-2-183. Primitive Cultivar. Seed.
- PI 531349 donor id: 690. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: FITYHAZI "A". other id: VI-2-283. Primitive Cultivar. Seed.
- PI 531350 donor id: 691. origin: France. cultivar: FRANCIA "E". other id: VI-2-366. Cultivar. Seed.
- PI 531351 donor id: 693. origin: India. cultivar: GEORGIA. other id: VI-2-274. Cultivated. Seed.
- PI 531352 donor id: 694. origin: India. cultivar: GIGANT 549. other id: VI-2-268. Cultivated. Seed.
- PI 531353 donor id: 695. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: GK. 70. other id: VI-2-636. Cultivar. Seed.
- PI 531354 donor id: 696. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: GK. NAPSZIROM. other id: VI-2-513. Cultivar. Seed.
- PI 531355 donor id: 697. origin: Zambia. cultivar: G.O.R. 101. other id: VI-2-154. Cultivated. Seed.
- PI 531356 donor id: 700. origin: India. cultivar: HESA. other id: VI-2-360. Cultivar. Seed.
- PI 531357 donor id: 701. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: HEVESI "A". other id: VI-2-273. Primitive Cultivar. Seed.
- PI 531358 donor id: 702. origin: Netherlands. cultivar: HOLLANDIAI "B". other id: VI-2-356. Cultivated. Seed.
- PI 531359 donor id: 703. origin: German Democratic Repub. cultivar: HZ. SM 27.208. other id: VI-2-356. Cultivated. Seed.

PI 531338 to 531395-continued

- PI 531360 donor id: 704. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: IBH 166. other id:  
VI-2-633. Cultivar. Seed.
- PI 531361 donor id: 705. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: IREGI HNK 81. Cultivar.  
Seed.
- PI 531362 donor id: 708. origin: United States. cultivar: J 550.  
other id: VI-2-471. Cultivar. Seed.
- PI 531363 donor id: 709. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: JASZBERENYI "B". other  
id: VI-2-279. Primitive Cultivar. Seed.
- PI 531364 donor id: 712. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: KECELI "A". other id:  
VI-2-322. Primitive Cultivar. Seed.
- PI 531365 donor id: 713. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: KISVARDAI. other id:  
VI-2-5. Cultivar. Seed.
- PI 531366 donor id: 714. origin: Poland. cultivar: LENGYEL "A".  
other id: VI-2-326. Cultivated. Seed.
- PI 531367 donor id: 716. origin: France. cultivar: MARIANNE.  
other id: VI-2-578. Cultivar. Seed.
- PI 531368 donor id: 718. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: MARTONI SZADOR  
ELLENALLO. other id: VI-2-91. Cultivated. Seed.
- PI 531369 donor id: 720. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: MISKOLCI "A". other id:  
VI-2-768. Primitive Cultivar. Seed.
- PI 531370 donor id: 721. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: MORI "A". other id:  
VI-2-527. Primitive Cultivar. Seed.
- PI 531371 donor id: 722. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: NAGYATADI "A". other  
id: VI-2-238. Primitive Cultivar. Seed.
- PI 531372 donor id: 723. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: NAGYKALLOI "F". other  
id: VI-2-330. Primitive Cultivar. Seed.
- PI 531373 donor id: 726. origin: Bulgaria. cultivar: NO. 107.  
other id: VI-2-373. Cultivated. Seed.

PI 531338 to 531395-continued

- PI 531374 donor id: 727. origin: Yugoslavia. cultivar: NSH-26.  
other id: VI-2-582. Cultivar. Seed.
- PI 531375 donor id: 728. origin: Yugoslavia. cultivar: NSH-27.  
other id: VI-2-419. Cultivar. Seed.
- PI 531376 donor id: 729. origin: Germany, Federal Rep of.  
cultivar: NSZK"A". other id: VI-2-295. Cultivar. Seed.
- PI 531377 donor id: 730. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: NYIREGYHAZI "A". other  
id: VI-2-323. Primitive Cultivar. Seed.
- PI 531378 donor id: 731. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: NYIREGYHAZI "B". other  
id: VI-2-339. Primitive Cultivar. Seed.
- PI 531379 donor id: 732. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: NYIREGYHAZI "C". other  
id: VI-2-358. Primitive Cultivar. Seed.
- PI 531380 donor id: 733. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: NYIREGYHAZI "D". other  
id: VI-2-397. Primitive Cultivar. Seed.
- PI 531381 donor id: 734. origin: Italy. cultivar: OLASZ "A".  
other id: VI-2-225. Cultivated. Seed.
- PI 531382 donor id: 736. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: PENYIGEI "B". other id:  
VI-2-250. Primitive Cultivar. Seed.
- PI 531383 donor id: 737. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: PENYIGEI "E". other id:  
VI-2-253. Primitive Cultivar. Seed.
- PI 531384 donor id: 739. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: PILISI "A". other id:  
VI-2-531. Primitive Cultivar. Seed.
- PI 531385 donor id: 741. origin: Portugal. cultivar: PORTUGAL  
"E". other id: VI-2-262. Cultivated. Seed.
- PI 531386 donor id: 742. origin: Romania. cultivar: ROMAN "A".  
other id: VI-2-383. Cultivar. Seed.
- PI 531387 donor id: 744. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: SASDI "A". other id:  
VI-2-280. Primitive Cultivar. Seed.
- PI 531388 donor id: 745. origin: Morocco. other id: Sel. R.A. 1-H  
84. other id: VI-2-118. Breeding Material. Seed.

PI 531338 to 531395-continued

- PI 531389 donor id: 746. origin: Czechoslovakia. cultivar: SLOVENSKA SIVA. other id: VI-2-184. Cultivated. Seed.
- PI 531390 donor id: 748. origin: Bulgaria. cultivar: SMJAMA. other id: VI-2-194. Cultivated. Seed.
- PI 531391 donor id: 749. origin: Soviet Union. cultivar: SZOVJET "A". other id: VI-2-543. Cultivated. Seed.
- PI 531392 donor id: 750. origin: United States. cultivar: TOMA. Cultivar. Seed.
- PI 531393 donor id: 751. origin: France. cultivar: TOPFLOR. other id: VI-2-415. Cultivar. Seed.
- PI 531394 donor id: 754. origin: UNKNOWN. cultivar: VIMPEL. other id: VI-2-179. Cultivated. Seed.
- PI 531395 donor id: 760. origin: Bulgaria. cultivar: ZELENKA 63. other id: VI-2-149. Cultivated. Seed.

PI 531396. *Ocimum basilicum* L. LAMIACEAE Basil

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

donor id: 1420. origin: Hungary. origin institute: I.A.Q., Tapioszele. other id: VIII-32-7. Cultivated. Seed.

PI 531397 to 531431. *Panicum miliaceum* L. POACEAE Proso millet

**Donated by:** Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. **remarks:** Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

- PI 531397 donor id: 1427. origin: Hungary. origin institute: I.A.Q., Tapioszele. cultivar: BANKUTI FEHER. other id: I-8-127. Cultivar. Seed.
- PI 531398 donor id: 1428. origin: Bulgaria. cultivar: BOLGAR 159. other id: I-8-3. Cultivated. Seed.
- PI 531399 donor id: 1429. origin: Bulgaria. cultivar: BOLGAR 161. other id: I-8-5. Cultivated. Seed.
- PI 531400 donor id: 1430. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: CSASZARRETI 2. other id: I-8-17. Primitive Cultivar. Seed.

PI 531397 to 531431-continued

- PI 531401 donor id: 1431. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: CSASZARRETI 6. other id: I-8-19. Primitive Cultivar. Seed.
- PI 531402 donor id: 1432. origin: Czechoslovakia. cultivar: DOMACE BIELE. other id: I-8-96. Cultivated. Seed.
- PI 531403 donor id: 1433. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: DUNAKILITI "A". other id: I-8-96. Primitive Cultivar. Seed.
- PI 531404 donor id: 1434. origin: Soviet Union. cultivar: GORKOVSKOE 43. other id: I-8-63. Cultivated. Seed.
- PI 531405 donor id: 1436. origin: Soviet Union. cultivar: GULIANSKOE. other id: I-8-64. Cultivated. Seed.
- PI 531406 donor id: 1437. origin: Czechoslovakia. cultivar: HANACKE MANA. other id: I-8-118. Cultivated. Seed.
- PI 531407 donor id: 1438. origin: German Democratic Repub. cultivar: HARKOVSKOE 2. other id: I-8-142. Cultivated. Seed.
- PI 531408 donor id: 1439. origin: German Democratic Repub. cultivar: HARKOVSKOE 65. other id: 415/88. Cultivated. Seed.
- PI 531409 donor id: 1440. origin: UNKNOWN. cultivar: IPECS. other id: I-8-102. Cultivated. Seed.
- PI 531410 donor id: 1441. origin: Soviet Union. cultivar: KAMUSINSZKOE 67. other id: 412/88. Cultivar. Seed.
- PI 531411 donor id: 1442. origin: Soviet Union. cultivar: KOMSOMOLSKOE 996. other id: I-8-69. Cultivated. Seed.
- PI 531412 donor id: 1443. origin: Soviet Union. cultivar: KAZANSKOE 176. other id: I-8-65. Cultivated. Seed.
- PI 531413 donor id: 1444. origin: German Democratic Repub. cultivar: KORNBERGER MITTELFRUHE. other id: I-8-88. Cultivated. Seed.
- PI 531414 donor id: 1445. origin: Soviet Union. cultivar: KRASNOKUTSKOE 48. other id: I-8-70. Cultivated. Seed.
- PI 531415 donor id: 1446. origin: Soviet Union. cultivar: KUSOTA. other id: I-8-105. Cultivated. Seed.



PI 531397 to 531431-continued

- PI 531416 donor id: 1448. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: MALCALTOR "A". other id: I-8-42. Primitive Cultivar. Seed.
- PI 531417 donor id: 1450. origin: Soviet Union. cultivar: ORENBURGSKOE KRASNOE. other id: I-8-74. Cultivated. Seed.
- PI 531418 donor id: 1451. origin: UNKNOWN. cultivar: OROSZ-6. other id: I-8-15. Cultivated. Seed.
- PI 531419 donor id: 1452. origin: Kenya. cultivar: PROSOS. other id: I-8-104. Cultivated. Seed.
- PI 531420 donor id: 1453. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: PUSKI "A". other id: I-8-45. Primitive Cultivar. Seed.
- PI 531421 donor id: 1454. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: RABASZENTANDRASI "A". other id: I-8-17. Primitive Cultivar. Seed.
- PI 531422 donor id: 1455. origin: Soviet Union. cultivar: SARATOVSKOE 953. other id: I-8-56. Cultivated. Seed.
- PI 531423 donor id: 1457. origin: Poland. cultivar: STRELECKIE BRUNATE. other id: I-8-90. Cultivated. Seed.
- PI 531424 donor id: 1459. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: SZABADSZALLASI "A". other id: I-8-173. Primitive Cultivar. Seed.
- PI 531425 donor id: 1460. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: SZARVASI 353. other id: I-8-30. Cultivar. Seed.
- PI 531426 donor id: 1461. origin: Hungary. origin institute: I.A.Q., Tapioszele. cultivar: TAPIOI BARNA. other id: 414/88. Cultivar. Seed.
- PI 531427 donor id: 1462. origin: Soviet Union. cultivar: TOJDENSKOE 215. other id: I-8-80. Cultivated. Seed.
- PI 531428 donor id: 1463. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: TOPAZ. other id: 411/88. Cultivar. Seed.
- PI 531429 donor id: 1464. origin: Soviet Union. cultivar: TUVINSKOE. other id: I-8-136. Cultivated. Seed.

PI 531397 to 531431-continued

PI 531430 donor id: 1466. origin: Soviet Union. cultivar: VESZELOPODOLJANSZKOE 403. other id: 413/88. Cultivar. Seed.

PI 531431 donor id: 1467. origin: UNKNOWN. cultivar: UNIKUM. other id: 210/86. Cultivated. Seed.

PI 531432 to 531433. *Pastinaca sativa* L. APIACEAE Parsnip

Donated by: Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. remarks: Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

PI 531432 donor id: 1522. origin: Hungary. origin institute: I.A.Q., Tapioszele. cultivar: FERTODI FELHOSSZU. other id: 611/86. Cultivar. Seed.

PI 531433 donor id: 1523. origin: Soviet Union. cultivar: UNGVARI. other id: 5110/85. Primitive Cultivar. Seed.

PI 531434 to 531447. *Setaria italica* (L.) Beauv. POACEAE Foxtail millet

Donated by: Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. remarks: Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

PI 531434 donor id: 1985. origin: Soviet Union. cultivar: BILA. other id: I-9-33. Cultivated. Seed.

PI 531435 donor id: 1986. origin: China, Peoples Repub of. cultivar: CHINA 1066. other id: I-9-67. Cultivated. Seed.

PI 531436 donor id: 1987. origin: Poland. cultivar: DE-DU-CHRAJ-SI-CZU. other id: I-9-74. Cultivated. Seed.

PI 531437 donor id: 1991. origin: German Democratic Repub. cultivar: KRAFTBORN. other id: I-9-85. Cultivated. Seed.

PI 531438 donor id: 1992. origin: Poland. cultivar: KRASNOKUTSKOE SARATOW. other id: I-9-76. Cultivated. Seed.

PI 531439 donor id: 1993. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: LADANYBENEI "A". other id: I-9-27. Primitive Cultivar. Seed.

PI 531434 to 531447-continued

- PI 531440 donor id: 1994. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: M7. other id: I-9-2. Cultivated. Seed.
- PI 531441 donor id: 1995. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: M 10. other id: I-9-4. Cultivated. Seed.
- PI 531442 donor id: 1996. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: M 15. other id: I-9-9. Cultivated. Seed.
- PI 531443 donor id: 1997. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: M 16. other id: I-9-10. Cultivated. Seed.
- PI 531444 donor id: 1998. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: MARTONVASARI PIROS. other id: I-9-20. Cultivar. Seed.
- PI 531445 donor id: 1999. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: MARIAPOCSI "A". other id: I-9-109. Primitive Cultivar. Seed.
- PI 531446 donor id: 2000. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: MEZOHEGYESI SARGA MAGVU. other id: I-9-22. Cultivar. Seed.
- PI 531447 donor id: 2001. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: SZENTESI "D". other id: I-9-63. Cultivar. Seed.

PI 531448 to 531457. *Spinacia oleracea* L. CHENOPODIACEAE Spinach

Donated by: Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. remarks: Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

- PI 531448 donor id: 2142. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: ESZKIMO. other id: VII-2-95. Cultivar. Seed.
- PI 531449 donor id: 2143. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: HEGYKOI. other id: 5722/86. Primitive Cultivar. Seed.
- PI 531450 donor id: 2144. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: KECSKEMETI. other id: 5171/86. Primitive Cultivar. Seed.

PI 531448 to 531457-continued

- PI 531451 donor id: 2145. origin: Hungary. origin institute: I.A.Q., Tapioszele. cultivar: MATADOR. other id: VII-2-28. Cultivar. Seed.
- PI 531452 donor id: 2146. origin: Denmark. cultivar: MATADOR DARKO. other id: 3386/86. Cultivated. Seed.
- PI 531453 donor id: 2147. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: MOHAI. other id: 5268/84. Primitive Cultivar. Seed.
- PI 531454 donor id: 2149. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: MOSONMAGYAROVARI. other id: 5761/86. Primitive Cultivar. Seed.
- PI 531455 donor id: 2151. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: NAGYIGMANDI. other id: 5057/86. Primitive Cultivar. Seed.
- PI 531456 donor id: 2153. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: POPEY. Cultivar. Seed.
- PI 531457 donor id: 2156. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: SZEKESFEHERVARI. other id: 5816/86. Primitive Cultivar. Seed.

PI 531458 to 531498. Zea mays L. POACEAE Corn

Donated by: Inst. for Plant Prod. & Qualification, Research Centre for Agrobotany, H-2766 Tapioszele, Hungary. remarks: Donor numbers refer to Index Seminum 1987-1990. Received May 1989.

- \* PI 531458 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2837. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: AGYAGOSSZEGENY. other id: I-7-3360. received as: Z. mays convar. dentiformis Korn. Primitive Cultivar. Seed.
- \* PI 531459 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2838. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: ALMASKAMARASI. other id: I-7-1663. received as: Z. mays convar. dentiformis Korn. Primitive Cultivar. Seed.
- \* PI 531460 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2843. origin: Hungary. origin institute: I.P.P.O., Tapioszele. cultivar: BUKI. other id: I-7-1773. received as: Z. mays convar. dentiformis Korn. Primitive Cultivar. Seed.

PI 531458 to 531498-continued

- \* PI 531461 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2845. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: CEGLEDI. other id:  
I-7-2618. received as: Z. mays convar. dentiformis Korn.  
Primitive Cultivar. Seed.
  
- \* PI 531462 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2846. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: CIGANDI. other id:  
I-7-3352. received as: Z. mays convar. dentiformis Korn.  
Primitive Cultivar. Seed.
  
- \* PI 531463 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2850. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: FOLDEAKI. other id:  
I-7-1833. received as: Z. mays convar. dentiformis Korn.  
Primitive Cultivar. Seed.
  
- \* PI 531464 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2856. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: KABAI SARGA LOFOGU.  
other id: I-7-1680. received as: Z. mays convar.  
dentiformis Korn. Primitive Cultivar. Seed.
  
- \* PI 531465 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2858. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: KOMPOLTI FEHER LOFOGU.  
other id: I-7-1725. received as: Z. mays convar.  
dentiformis Korn. Primitive Cultivar. Seed.
  
- \* PI 531466 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2859. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: KONDOROSI SARGA LOFOU.  
other id: I-7-1872. received as: Z. mays convar.  
dentiformis Korn. Primitive Cultivar. Seed.
  
- \* PI 531467 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2862. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: MAGYARKISZI SARGA  
LOFOGU. other id: I-7-1854. received as: Z. mays  
convar. dentiformis Korn.. Primitive Cultivar. Seed.
  
- \* PI 531468 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2865. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: MOSONMAGYAROVARI SARGA  
LOFOGU. other id: I-7-1706. received as: Z. mays  
convar. dentiformis Korn. Primitive Cultivar. Seed.

PI 531458 to 531498-continued

- \* PI 531469 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2866. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: NAGYBAJOMI NARANCS  
FILLERES. other id: I-7-1920. received as: Z. mays  
convar. dentiformis Korn. Primitive Cultivar. Seed.
  
- \* PI 531470 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2867. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: NAGYECSEDI APROSZEMU  
SARGA. other id: I-7-1695. received as: Z. mays convar.  
dentiformis Korn. Primitive Cultivar. Seed.
  
- \* PI 531471 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2868. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: NAPKORI FEHERES SARGA  
LOFOGU. other id: I-7-2930. received as: Z. mays  
convar. dentiformis Korn. Primitive Cultivar. Seed.
  
- \* PI 531472 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2871. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: NYARADI. other id:  
I-7-1789. received as: Z. mays convar. dentiformis Korn.  
Primitive Cultivar. Seed.
  
- \* PI 531473 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2873. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: PECSVARADI. other id:  
I-7-1733. received as: Z. mays convar. dentiformis Korn.  
Primitive Cultivar. Seed.
  
- \* PI 531474 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2879. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: POCSAJI FEHER MAGYAR  
LOFOGU. other id: I-7-1819. received as: Z. mays  
convar. dentiformis Korn. Primitive Cultivar. Seed.
  
- \* PI 531475 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2888. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: SZEKKUTASI ARANYBANYAI.  
other id: I-7-1832. received as: Z. mays convar.  
dentiformis Korn. Primitive Cultivar. Seed.
  
- \* PI 531476 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2889. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: TIMARI VOROS LOFOGU.  
other id: I-7-1797. received as: Z. mays convar.  
dentiformis Korn. Primitive Cultivar. Seed.

PI 531458 to 531498-continued

- \* PI 531477 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2890. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: TORDASI SARGA  
FILLERES. other id: I-7-1728. received as: Z. mays  
convar. dentiformis Korn. Primitive Cultivar. Seed.
- \* PI 531478 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2892. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: UJSZASZI NARANCSSARGA  
LOFOGU. other id: I-7-1830. received as: Z. mays  
convar. dentiformis Korn. Primitive Cultivar. Seed.
- \* PI 531479 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2893. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: UYSZASZI SARGA LOFOGU.  
other id: I-7-1829. received as: Z. mays convar.  
dentiformis Korn. Primitive Cultivar. Seed.
- \* PI 531480 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2894. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: UJSZENTIVANI SARGA  
LOFOGU. other id: I-7-1715. received as: Z. mays  
convar. dentiformis Korn. Primitive Cultivar. Seed.
- \* PI 531481 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2901. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: BORSOSBERENYI SARGA  
FILLERES. other id: I-7-1693. received as: Z. mays  
convar. vulgaris. Primitive Cultivar. Seed.
- \* PI 531482 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2905. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: DUNAREMETEI SARGA  
AUGUSZTUSI. other id: I-7-1886. received as: Z. mays  
convar. vulgaris. Primitive Cultivar. Seed.
- \* PI 531483 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2906. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: EDELENYI KORAI 8 SOROS.  
other id: I-7-2728. received as: Z. mays convar.  
vulgaris. Primitive Cultivar. Seed.
- \* PI 531484 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2907. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: GICI 8 SOROS  
MEGGYPIROS. other id: I-7-1712. received as: Z. mays  
convar. vulgaris. Primitive Cultivar. Seed.

PI 531458 to 531498-continued

- \* PI 531485 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2911. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: HEJOCsABAI FEHER  
FOZNIVALO. other id: I-7-2721. received as: Z. mays  
convar. vulgaris. Primitive Cultivar. Seed.
  
- \* PI 531486 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2912. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: HEVESI IREGI 12 HETES.  
other id: I-7-2709. received as: Z. mays convar.  
vulgaris. Primitive Cultivar. Seed.
  
- \* PI 531487 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2918. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: MOHAI. other id:  
I-7-3212. received as: Z. mays convar. vulgaris.  
Primitive Cultivar. Seed.
  
- \* PI 531488 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2919. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: NAGYKALLOI CINQUANTINO.  
other id: I-7-2954. received as: Z. mays convar.  
vulgaris. Primitive Cultivar. Seed.
  
- \* PI 531489 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2921. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: NYARADI FILLERES.  
other id: I-7-1789. received as: Z. mays convar.  
vulgaris. Primitive Cultivar. Seed.
  
- \* PI 531490 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2922. origin: Hungary. origin institute:  
N.I.A.V.T., Tapioszele. cultivar: RABASZENTANDRASI 8  
SOROS SARGA. other id: I-7-1889. received as: Z. mays  
convar. vulgaris. Primitive Cultivar. Seed.
  
- \* PI 531491 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2926. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: SZOREGI BANATI MAGYAR.  
other id: I-7-1842. received as: Z. mays convar.  
vulgaris. Primitive Cultivar. Seed.
  
- \* PI 531492 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2927. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: SZOREGI 100 NAPOS.  
other id: I-7-2610. received as: Z. mays convar.  
vulgaris. Primitive Cultivar. Seed.



PI 531458 to 531498-continued

- \* PI 531493 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2928. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: TAKTAHARKANYI  
CINQUANTINO. other id: I-7-2927. received as: Z. mays  
convar. vulgaris. Primitive Cultivar. Seed.
- \* PI 531494 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2929. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: TAPIOSZELEI. other id:  
I-7-3271. received as: Z. mays convar. vulgaris.  
Primitive Cultivar. Seed.
- \* PI 531495 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2930. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: TISZAKARADI 1. other  
id: I-7-3206. received as: Z. mays convar. vulgaris.  
Primitive Cultivar. Seed.
- \* PI 531496 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2931. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: TISZAKARADI 2. other  
id: I-7-3207. received as: Z. mays convar. vulgaris.  
Primitive Cultivar. Seed.
- \* PI 531497 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2935. origin: Hungary. origin institute:  
I.P.P.O., Tapioszele. cultivar: ZEMPLENAGARDI. other  
id: I-7-3209. received as: Z. mays convar. vulgaris.  
Primitive Cultivar. Seed.
- \* PI 531498 Zea mays L. subsp. mays POACEAE Corn  
donor id: 2937. origin: Hungary. origin institute:  
I.A.Q., Tapioszele. cultivar: MOHAI. other id:  
I-7-3216. remarks: Sweet type. received as: Z. mays  
convar. saccharata. Primitive Cultivar. Seed.

PI 531499. Arachis hypogaea L. subsp. hypogaea FABACEAE Peanut

**Donated by:** Banks, D.J., USDA-ARS, Plant Science Research  
Laboratory, 1301 N. Western, Stillwater, Oklahoma, United States.  
**remarks:** Developed and released cooperatively by USDA-ARS and the  
Oklahoma Agric. Experiment Station in April 1986. Received May 3,  
1989.

**donor id:** OK-FH14. **origin:** United States. **cultivar:** OKRUN. **pedigree:** Florunner/Spanhoma, F10. **other id:** CV-36. **group:** CSR-PEANUTS. **remarks:** First commercial runner peanut cultivar developed in Oklahoma. Plant, pod, seed morphology and growing season length similar to Florunner. Susceptible to all common peanut diseases but less susceptible to leaf spots and pod rots than Florunner. Shelling and end-use qualities good. Yield 3972 kg per hectare in Oklahoma. Best suited for Oklahoma. Drought tolerance. Annual. Cultivar. Seed.

PI 531500. *Arachis hypogaea* subsp. *fastigiata* Waldron FABACEAE Peanut

**Donated by:** Kirby, J.S., Department of Agronomy, Oklahoma State University, Stillwater, Oklahoma, United States. **remarks:** Developed and released cooperatively by Oklahoma Agric. Experiment Station and USDA-ARS in May 1981. Received May 3, 1989.

**origin:** United States. **cultivar:** SPANCO. **pedigree:** Composite of two phenotypically similar sister lines, EC-5 and O-20 from cross Chico/Comet. **other id:** CV-35. **group:** CSR-PEANUTS. **remarks:** Spanish type of early maturity. Irrigated trials in full season yield 3003 kg/ha. Seed weight 43g/100. Plant type similar to Pronto but greener foliage at maturity. Maturity up to 10 days earlier than other currently grown spanish cultivars in Oklahoma. Drought tolerance. Annual. Cultivar. Seed.

PI 531501. *Bromus inermis* Leyss. POACEAE Bromegrass

**Donated by:** Berg, C.C., U.S. Regional Pasture Research Lab., USDA-ARS, University Park, Pennsylvania, United States. **remarks:** Developed at the U.S. Regional Pasture Research Laboratory and released by USDA-ARS in June 1988. Received May 3, 1989.

**donor id:** PL-BDR1. **origin:** United States. **cultivar:** PL-BDR1. **pedigree:** Five cycles of recurrent phenotypic selection of 93 accessions and five cultivars (Baylor, Lancaster, Lincoln, Lyon and Southland). **other id:** GP-1. **group:** CSR-BROMEGRASS. **remarks:** Germplasm source of resistance to brown leaf spot. Plants have reduced lesion size, vigorous growth with considerable variability for maturity plant height, rhizome development, and other agronomic traits. **disease resistance:** Brown leaf spot (*Pyrenophora bromi*). Perennial. Breeding Material. Seed.

PI 531502 to 531503. *Helianthus annuus* L. ASTERACEAE Sunflower

**Donated by:** Auld, D.L., Department of Plant, Soil and Entomological Science, University of Idaho, Moscow, Idaho, United States.

**remarks:** Developed and released by University of Idaho in cooperation with USDA-ARS Oilseeds Research Group and SIGCO Research Inc. Received May 3, 1989.

PI 531502 **origin:** United States. **pedigree:** Composite of 13 S4 families from populations similar to those used to develop ND-EBLYS. **other id:** GP-108. **group:** CSR-SUNFLOWER. **other id:** ID-EBLYC. **remarks:** Early B-line yield composite population with high yield, early maturity, and adaptation to cool regions of NW United States. Across two locations, plants short (63-127cm), vigorous, early flowering (58-66 days). Oil seed content (dry weight basis) ranged from 34.1 to 55.2% using NMR. S4 population has substantial variation in branching, expression of male sterility and other phenotypical characteristics. Annual. Breeding Material. Seed.

PI 531503 **origin:** United States. **pedigree:** Composite of 33 S4 families from populations similar to those used to develop ND-LRLYS. **other id:** GP-109. **group:** CSR-SUNFLOWER. **other id:** ID-LRLYC. **remarks:** Late R-line yield composite population with high yield, early maturity, and adaptation to cool regions of NW regions of NW United Stations. Across two locations, plants short (53-117cm), early flowering (57-61 days). Oil seed content (divb) ranged from 33.7 to 58.3% using NMR. S4 population has substantial variation in branching, expression of male sterility and other phenotypic characteristics. Annual. Breeding Material. Seed.

PI 531504. *Medicago sativa* L. FABACEAE Alfalfa

**Donated by:** Sorensen, E.L., USDA-ARS, Department of Agronomy, Kansas State University, Manhattan, Kansas, United States. **remarks:** Released by USDA-ARS and the Kansas Agricultural Experiment Station in March 1989. Received May 3, 1989.

**origin:** United States. **cultivar:** KS206. **pedigree:** Derived from KS10 (pest resistant sel. from Ladak) by one cycle of recurrent phenotypic selection for plant regeneration from cultured petioles. **other id:** GP-220. **source:** Crop Sci. 29(6):1576 1989. **group:** CSR-ALFALFA. **remarks:** Regeneration of plants in vitro high, under genetic control, highly heritable. Petioles of second and third leaves from stem apex used for explants for callus initiation. Potential use in development of new germplasm, hybrids, or cultivars. **insect resistance:** Pea aphid (*Acyrtosiphon pisum*). Spotted alfalfa aphid (*Therioaphis maculata*). **disease resistance:** Bacterial wilt (*Clavibacter michiganense* subsp. *insidiosum*). Perennial. Breeding Material. Seed.

PI 531505. *Medicago sativa* L. FABACEAE Alfalfa

**Donated by:** Hill, R.R.; Leath, K.T., U.S. Regional Pasture Research Lab., USDA-ARS, University Park, Pennsylvania, United States; and Rowe, D.E., USDA-ARS, Crop Science Research Lab., Mississippi State Univ., P.O. Box 5367, Mississippi State, Mississippi, United States. **remarks:** Developed at the U.S. Regional Pasture Research Laboratory and released jointly by USDA-ARS and the Nevada Agric. Experiment Station in October 1988. Received May 3, 1989.

**origin:** United States. **cultivar:** PL-PHR. **pedigree:** Polycross of 40 plants of A102Px and 10 plants each from A102-5/A106-4 and A148-2/A107-4. Plants of these polycrosses trace back to a top cross of MSA-CW3An3 and Apalachee pollen. **other id:** GP-221. **source:** Crop Sci. 29(6):1577 1989. **group:** CSR-ALFALFA. **remarks:** Germplasm provides resistance to leaf loss caused by Phoma. Yield probably not high, not field tested. Potential use for reducing leaf loss in development of cultivars or germplasms. **disease resistance:** Moderate to Phoma *medicaginis* var. *medicaginis*. Perennial. Breeding Material. Seed.

PI 531506. *Medicago sativa* L. FABACEAE Alfalfa

**Donated by:** Elden, T.C., Germplasm Quality and Enhancement Lab., Plant Sciences Institute, USDA-ARS, Beltsville, Maryland, United States; and Elgin, J.H., Plant Science Institute, USDA-ARS, Beltsville, United States. **remarks:** Developed by Beltsville Agric. Research Center and released by USDA-ARS in December 1988. Received May 3, 1989.

**origin:** United States. **cultivar:** B16-PLH. **pedigree:** Intercross of 12 clones of B16 (random intercross of two 'Hairy Peruvian' Plant introductions PI 247789 and 247790) using recurrent phenotypic procedures. **other id:** GP-222. **source:** Crop Sci. 29(6):1577 1989. **group:** CSR-ALFALFA. **remarks:** Germplasm with resistance to potato leafhopper (*Empoasca fabae*). Feeding damage less and nymphal populations lower than for B16, MSA-CW3AN3 and Ranger. Plants moderately tall with highly pubescent stems, rapid growing, nondormant, and nonwinter hardy. Useful in the development of cultivars for the southern United States. **insect resistance:** Potato leaf hopper (*Empoasca fabae*). Perennial. Breeding Material. Seed.

PI 531507 to 531508. *Trifolium pratense* L. FABACEAE Red clover

**Donated by:** Taylor, N.L., Department of Agronomy, University of Kentucky, Agric. Sci. Bldg., North, Lexington, Kentucky, United States. Received May 3, 1989.

PI 531507 **origin:** United States. **pedigree:** Most vigorous and disease free single clones of Tristan, Flare, Chesapeake, Redland, Prosper I, Redman, and experimental lines K4-184 and 71822/71822 line 39-L4-1695 (tetraploid). **other id:** GP-19. **source:** Crop Sci. 29(6):1578 1989. **group:** CSR-CLOVER, RED. **remarks:** Materials potentially valuable for breeding and genetic studies. Pollination accomplished by honey bees (*Apis mellifera*). Perennial. Breeding Material. Seed.

PI 531508 **origin:** United States. **pedigree:** Single nonleaf clone of 39-L38-1695/'Redman'. **other id:** GP-20. **source:** Crop Sci. 29(6):1578 1989. **group:** CSR-CLOVER, RED. **remarks:** Pollination accomplished by honey bees (*Apis mellifera*). Materials potentially valuable for breeding and genetic studies. Perennial. Breeding Material. Seed.

PI 531509 to 531511. *Zea mays* L. POACEAE Corn

**Donated by:** Lambert, R.J., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Urbana, Illinois, United States. **remarks:** Developed and released by the Illinois Agricultural Experiment Station in March 1986. Received May 3, 1989.

- \* PI 531509 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** R225. **pedigree:**  
Selection from BS10C4 followed by early testing for grain  
yield and testcrosses with tester B37 and selfed for 7  
generations using ear to row selection for multiple leaf  
disease resistance. **other id:** PL-127. **source:** Crop Sci.  
29(6):1586 1989. **group:** CSR-MAIZE. **other id:**  
RBS10-676-3. **remarks:** Inbred for improving leaf disease  
resistance of commercial inbreds. Plants vigorous.  
Maturity Group AES 900. Days from planting to mid-pollen  
shed 76. Kernels yellow, dent-type with hard texture  
endosperm. Cobs red with 14 to 16 rows. Average yield 4.9  
metric tons per hectare. **disease resistance:** Moderate to  
Northern corn leaf blight (*Exserohilum turcicum*).  
Southern corn leaf blight (*Bipolaris maydis*).  
Anthracnose leaf blight (*Colletotricum graminicola*).  
Annual. Breeding Material. Seed.
- \* PI 531510 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** R226. **pedigree:**  
Selection from BS10C4 followed by early testing for grain  
yield and testcrosses with tester B37 and selfed for 7  
generations using ear to row selection for multiple leaf  
disease resistance. **other id:** PL-128. **source:** Crop Sci.  
29(6):1586 1989. **group:** CSR-MAIZE. **other id:**  
RBS10-844-1. **remarks:** Inbred for improving leaf disease  
resistance of commercial inbreds. Plants vigorous.  
Maturity Group AES 900. Days from planting to mid-pollen  
shed 75. Kernels yellow, dent-type with soft texture  
endosperm. Cobs red with 14 to 16 rows. Average yield 5.5  
metric tons per hectare. **disease resistance:** Moderate to  
Northern corn leaf blight (*Exserohilum turcicum*).  
Southern corn leaf blight (*Bipolaris maydis*).  
Anthracnose leaf blight (*Colletotricum graminicola*).  
Annual. Breeding Material. Seed.

PI 531509 to 531511-continued

- \* PI 531511 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** R227. **pedigree:** Selection from RSSSC followed by early testing for grain yield and testcrosses with tester B37 and selfed for 7 generations using ear to row selection for multiple leaf disease resistance. **other id:** PL-129. **source:** Crop Sci. 29(6):1586 1989. **group:** CSR-MAIZE. **other id:** RSC-110. **remarks:** Inbred for improving leaf disease resistance of commercial inbreds. Plants tall, vigorous, producing 1.9 ears per plant. Maturity group AES 900. Days from planting to mid-pollen shed 77. Kernels yellow, dent-type with hard texture endosperm. Cobs red with 16-18 rows. Yield 3.6 metric tons per hectare. **disease resistance:** Moderate to Northern corn leaf blight (*Exserohilum turcicum*). Southern corn leaf blight (*Bipolaris maydis*). Anthracnose leaf blight (*Colletotricum graminicola*). Annual. Breeding Material. Seed.

PI 531512. Zea mays L. POACEAE Corn

**Donated by:** Lambert, R.J., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Urbana, Illinois, United States. **remarks:** Developed and released by the Illinois Agricultural Experiment Station in March 1986. Received May 3, 1989.

- \* Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** RBS10 (S1+HS) C3. **pedigree:** Synthetic developed from BS10FSC4, a progeny of 10 two-eared lines and BS10C4 synthetic selected for grain yield followed by full-sib reciprocal recurrent selection with BS11. **other id:** GP-200. **source:** Crop Sci. 29(6):1580 1989. **group:** CSR-MAIZE. **locality:** Guadalajara. **remarks:** Synthetic with reduced stalk lodging and resistance to leaf diseases for use in breeding programs. Maturity Group AES 800. Reduced stalk lodging. Yield 9.4 metric tons per hectare. **disease resistance:** Moderate to Northern corn leaf blight (*Exserohilum turcicum*). Southern corn leaf blight (*Bipolaris maydis*). Anthracnose leaf blight (*Colletotricum graminicola*). Annual. Breeding Material. Seed.

PI 531513 to 531518. Zea mays L. POACEAE Corn

**Donated by:** Poneleit, C.G.; Evans, K.O.; Green, R.C., Department of Agronomy, University of Kentucky, Lexington, Kentucky, United States. **remarks:** Released by the Kentucky Agricultural Experiment Station in 1989. Received May 3, 1989.

- \* PI 531513 Zea mays L. subsp. mays POACEAE Corn  
origin: United States. cultivar: KyWS1. pedigree:  
A632\*/Ky201. other id: GP-201. source: Crop Sci.  
29(6):1580 1989. group: CSR-MAIZE. locality:  
Guadalajara. remarks: Breeding population with white  
endosperm kernel type and good combining ability.  
Maturity AES 600, 1530 growing degree days to mean  
flowering date. Cob white. Kernel endosperm white with  
good hardness quality. Combining qualities good. Annual.  
Breeding Material. Seed.
  
- \* PI 531514 Zea mays L. subsp. mays POACEAE Corn  
origin: United States. cultivar: KyWS2. pedigree:  
B73\*/Ky201. other id: GP-202. source: Crop Sci.  
29(6):1580 1989. group: CSR-MAIZE. locality:  
Guadalajara. remarks: Breeding population with white  
endosperm kernel type and good combining ability.  
Maturity AES 800, 1584 growing. Annual. Breeding  
Material. Seed.
  
- \* PI 531515 Zea mays L. subsp. mays POACEAE Corn  
origin: United States. cultivar: KyWS3. pedigree:  
Mo17\*/Ky201. other id: GP-203. source: Crop Sci.  
29(6):1580 1989. group: CSR-MAIZE. locality:  
Guadalajara. remarks: Breeding population with white  
endosperm kernel type and good combining ability.  
Maturity AES 800, 1557 growing degree days to mean  
flowering date. Cob white. Kernel endosperm white with  
good hardness quality. Combining qualities good. Good  
yield due to Mo 17 in background. Annual. Breeding  
Material. Seed.
  
- \* PI 531516 Zea mays L. subsp. mays POACEAE Corn  
origin: United States. cultivar: KyWS4. pedigree:  
H84\*/Ky201. other id: GP-204. source: Crop Sci.  
29(6):1580 1989. group: CSR-MAIZE. locality:  
Guadalajara. remarks: Breeding population with white  
endosperm kernel type and good combining ability.  
Maturity AES 700, 1584 growing degree days to mean  
flowering date. Cob white. Kernel endosperm white with  
good hardness quality. Combining qualities good. Annual.  
Breeding Material. Seed.



PI 531513 to 531518-continued

- \* PI 531517 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** KyWS5. **pedigree:** N28\*/Ky201. **other id:** GP-205. **source:** Crop Sci. 29(6):1580 1989. **group:** CSR-MAIZE. **locality:** Guadalajara. **remarks:** Breeding population with white endosperm kernel type and good combining ability. Maturity AES 800, 1557 growing degree days to mean flowering date. Cob white. Kernel endosperm white with good hardness quality. combining. Annual. Breeding Material. Seed.
- \* PI 531518 Zea mays L. subsp. mays POACEAE Corn  
**origin:** United States. **cultivar:** KyWS6. **pedigree:** Oh545\*/Ky201. **other id:** GP-206. **source:** Crop Sci. 29(6):1580 1989. **group:** CSR-MAIZE. **locality:** Guadalajara. **remarks:** Breeding population with white endosperm kernel type and good combining ability. Maturity ASE 700, 1502 growing degree days to mean flowering date. Cobs white. Kernel endosperm white with good hardness quality. Combining. Annual. Breeding Material. Seed.

PI 531519 to 531520. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Burton, J.W; Wilson, R.F., USDA-ARS, Department of Crop Science, North Carolina State University, Raleigh, North Carolina, United States; and Brim, C.A., ABRU Ciba-Geigy, Research Triangle Park, North Carolina, United States; and Rinne, R.W., USDA-ARS, Department of Agronomy, University of Illinois, Urbana, Illinois, United States. **remarks:** Released by USDA-ARS and the North Carolina Agricultural Research Service in 1987. Received May 3, 1989.

PI 531519 **donor id:** N85-2124(MGV). **origin:** United States. **pedigree:** N78-2245/PI 123400 (F5). **other id:** GP-114. **group:** CSR-SOYBEAN. **remarks:** Germplasm with modified seed oil quality. Seed oil contains lower linolenic acid (3.3% to 4.0%) and higher oleic acid (32% to 44%) than most U.S. cultivars. Maturity group V. Growth type determinate. Pubescence grey. Flowers purple. Pods tan. Seeds yellow with buff hila. Annual. Breeding Material. Seed.

PI 531520 **donor id:** N85-2176(MGIV). **origin:** United States. **pedigree:** N78-2245/PI 123400 (F5). **other id:** GP-115. **group:** CSR-SOYBEAN. **remarks:** Germplasm with modified seed oil quality. Seed oil contains lower linolenic acid (3.3% to 4.0%) higher oleic acid (32% to 44%) than most U.S. cultivars. Maturity group IV. Growth type determinate. Pubescence tawny. Flowers white. Pods tan. Seeds yellow with brown or black hila. Annual. Breeding Material. Seed.

PI 531521 to 531523. *Nicotiana tabacum* L. SOLANACEAE Tobacco

**Donated by:** Nielsen, M.T., Department of Agronomy, University of Kentucky, Lexington, Kentucky, United States. **remarks:** Released by the Kentucky Agricultural Experiment Station in 1989. Received May 3, 1989.

PI 531521 **donor id:** KDH 926. **origin:** United States. **pedigree:** KY14/Tobacco Introduction 1406 (Virgin A. mutant). **other id:** GP-37. **group:** CSR-TOBACCO. **remarks:** Germplasm with different levels of trichome exudate constituents. Plants flower 2 to 9 days later, have 1 to 6 more leaves (4 to 15cm longer), and approx. 30cm taller than KY 14. Contains the yb alleles for low chlorophyll content. Chemical constituents of leaf trichome exudate may contribute to disease and insect resistance, flavor, and aroma. Annual. Breeding Material. Seed.

PI 531522 **donor id:** KDH 959. **origin:** United States. **pedigree:** Tobacco Introduction 1406 (Virgin A mutant)/Tobacco Introduction 1068. **other id:** GP-38. **group:** CSR-TOBACCO. **remarks:** Germplasm with different levels of trichome exudate constituents. Plants flower 2 to 9 days later, have 1 to 6 more leaves (4 to 15cm longer). and approximately 30cm taller than Ky 14. Leaf shape and color similar to T.I. 1068 1068. Chemical constituents of leaf trichome exudate may contribute to disease and insect resistance, flavor, and aroma. Annual. Breeding Material. Seed.

PI 531523 **donor id:** KDH 960. **origin:** United States. **pedigree:** Tobacco Introduction 1406 (Virgin A mutant)/Tobacco Introduction 1068. **other id:** GP-39. **group:** CSR-TOBACCO. **remarks:** Germplasm with different levels of trichome exudate constituents. Plants very dark green, flower 2-9 days later have 1-6 more leaves, (4-15cm longer) curling at leaf margin and approx. 30cm taller. Chemical constituents of leaf trichome exudate may contribute to disease and insect resistance, flavor, and aroma. Annual. Breeding Material. Seed.

PI 531524. *Saccharum hybrid* POACEAE Sugarcane

**Donated by:** Fanguy, H.P., USDA-ARS, Sugarcane Research Unit, P.O. Box 470, Houma, Louisiana, United States. **remarks:** Developed cooperatively by USDA-ARS, the Louisiana Agricultural Experiment Station and the American Cane League of USA, Inc. Received May 3, 1989.

PI 531524-continued

**origin:** United States. **cultivar:** CP 79-318. **pedigree:** Selection from CP 65-357/L 65-69, a complex interspecific hybrid of *Saccharum officinarum*, *S. spontaneum* and *S. bareri*. **other id:** CV-76. **group:** CSR-SUGARCANE. **remarks:** Hybrid produces high population of medium-sized green stalks of average stalk weight that yields well in both light and heavy-textured soils. Sucrose content high (12% in normal juice) in early harvest season. Juice extraction good (80.6%). Fiber content moderate (12.6%). Plants moderately erect, brittle, may break when machine-harvested for planting or after recent lodging. **disease resistance:** Moderate to sugarcane mosaic virus. Moderate to smut (*Ustilago scitaminea*), rust (*Puccinia*). **insect resistance:** Moderate to Sugarcane borer (*Diatraea saccharalis*). Annual. Cultivar. Cutting.

PI 531525. *Poa pratensis* L. POACEAE Kentucky bluegrass

**Donated by:** Jacklin, A.W., Jacklin Seed Company, West 5300 Riverbend Avenue, Post Falls, Idaho, United States. **remarks:** Developed from germplasm obtained from the New Jersey Agricultural Experiment Station and released by Jacklin Seed Co. and Jonathan Green and Sons, Inc. Received May 3, 1989.

**donor id:** Jacklin 222. **origin:** United States. **cultivar:** DESTINY. **pedigree:** NJE P-59/BARON. **other id:** CV-36. **source:** Crop Sci. 29(6):1568 1989. **group:** CSR-BLUEGRASS. **other id:** PVP 8800063. **source:** Certificate in force. **group:** PVPO. **remarks:** Facultative apomict turf type. Plants moderately low-growing, moderately aggressive, medium texture density with good cool weather color retention and attractive early spring color. Winter hardy and heat tolerant in New Jersey. Seed yield moderate. Suitable in blends of other persistent cultivars, ryegrasses, strong creeping fescues and improved tall fescues. **disease resistance:** Leaf spot (*Drechslera poae*); stem rust (*Puccinia graminis*). Leaf rust (*P. brachypodii*); dollar spot (*Sclerotinia homocarpa*). Red thread (*Laetisaria fuciformis*). Perennial. Cultivar. Seed.

PI 531526. *Poa pratensis* L. POACEAE Kentucky bluegrass

**Donated by:** Jacklin, A.W., Jacklin Seed Company, West 5300 Riverbend Avenue, Post Falls, Idaho, United States. **remarks:** Developed from germplasm obtained from the New Jersey Agric. Experiment Station and released by the Jacklin Seed Co. in October 1986. Received May 3, 1989.

**donor id:** H75-2499. **origin:** United States. **cultivar:** HUNTSVILLE. **pedigree:** A single, highly apomictic selection from an old lawn-turf from northern Alabama. **other id:** CV-37. **source:** Crop Sci. 29(6):1569 1989. **group:** CSR-BLUEGRASS. **other id:** PVP 8800006. **source:** Certificate in force. **group:** PVPO. **restricted:** REQ. **remarks:** Facultative apomict turf type with approx. 95% of progeny appearing identical to maternal parent. Plants tall, dark green with early reproductive maturity. Turf moderately dense with upright growth habit. Good seedling vigor and coverage ability. Suitable for lawns, parks and sports turf regions where Kentucky bluegrass is well adapted, but not to close mowing. **disease resistance:** Stem and leaf rusts, powdery mildew, and ergot. Perennial. Cultivar. Seed.

PI 531527 to 531532. Cucumis melo L. CUCURBITACEAE

**Donated by:** Division of Vegetable Crops, Agricultural Research Organization, Neve Yaar Experiment Station, Haifa, Israel. **remarks:** Received through Agricultural Research Organization, The Volcani Center, P.O.B. 6, Bet Dagan 50250, Israel. Received December 22, 1988.

PI 531527 **origin:** Israel. **cultivar:** CHI-B. **other id:** CHI-B. **source:** Lit ref: Bull. Ent. Res. 77: 603-607,1987. **insect resistance:** Carmine spider mite (Tetranychus cinnabarinus Boisduval). Cultivar. Seed.

PI 531528 **origin:** Israel. **cultivar:** CON. **other id:** CON. **source:** Lit ref: Bull. Ent. Res. 77: 603-607,1987. **insect resistance:** Carmine spider mite (Tetranychus cinnabarinus Boisduval). Cultivar. Seed.

PI 531529 **origin:** Israel. **cultivar:** BUS. **other id:** BUS. **source:** Lit ref: Bull. Ent. Res. 77: 603-607,1987. **insect resistance:** Carmine spider mite (Tetranychus cinnabarinus Boisduval). Cultivar. Seed.

PI 531530 **origin:** Israel. **cultivar:** COR4. **other id:** COR4. **source:** Lit ref: Bull. Ent. Res. 77: 603-607,1987. **insect resistance:** Carmine spider mite (Tetranychus cinnabarinus Boisduval). Cultivar. Seed.

PI 531531 **origin:** Israel. **cultivar:** COR-2. **other id:** COR-2. **source:** Lit ref: Bull. Ent. Res. 77: 603-607,1987. **insect resistance:** Carmine spider mite (Tetranychus cinnabarinus Boisduval). Cultivar. Seed.

PI 531527 to 531532-continued

PI 531532 **origin:** Israel. **cultivar:** CRO-B. **other id:** CRO-B.  
**source:** Lit ref: Bull. Ent. Res. 77: 603-607, 1987.  
**insect resistance:** Carmine spider mite (*Tetranychus cinnabarinus* Boisduval). **Cultivar.** Seed.

PI 531533 to 531540. *Agropyron cristatum* (L.) Gaertn. POACEAE Fairway crested wheatgrass

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531533 **donor id:** D-2759. **origin:** China, Peoples Repub of.  
**origin institute:** Chinese Academy of Sciences, Beijing.  
**remarks:** Received in 1980. Increased in 1987. Wild. Seed.

PI 531534 **donor id:** D-2827. **origin:** China, Peoples Repub of.  
**origin institute:** In. Mongolian Coll. of Agr. & An. Husb., Hohhot. **locality:** Inner Mongolia. **remarks:** Seed presented in 1982 by Mr. Liu De-Fu. Increased in 1984. Wild. Seed.

PI 531535 **donor id:** D-3218. **origin:** German Democratic Repub.  
**locality:** Botanical garden, Gatersleben. **remarks:** Seed presented in 1983 by Dr. R. Kosina, Univ. of Wroclaw, Poland. Increased in 1985. Cultivated. Seed.

PI 531536 **donor id:** D-3380. **origin:** China, Peoples Repub of.  
**origin institute:** Northwest Institute of Biology, Xining, Qinghai. **collected:** September 01, 1983. **locality:** Qinghai Lake, Qinghai. **elevation:** 3000m. **remarks:** Seed presented in 1983 by Dr. Gou Ben-Zhao. Increased in 1987. Wild. Seed.

PI 531537 **donor id:** D-3467. **origin:** Turkey. **origin institute:** Izmir Germplasm Center, Izmir. **origin institute id:** TR-26864. **remarks:** Seed presented in 1985 by Dr. K. Temiz. Increased in 1987. Wild. Seed.

PI 531538 **origin:** United States. **pedigree:** Population from two colchicine-induced clones CS-30-19/CS-30-16. **remarks:** Generated in 1982. Increased in 1984. 2n=28. Breeding Material. Seed.

PI 531539 **origin:** United States. **pedigree:** Population from two colchicine-induced clones CS-30-21/CS-30-16. **remarks:** Generated in 1982. Increased in 1984. 2n=28. Breeding Material. Seed.

PI 531533 to 531540-continued

PI 531540 **donor id:** TK-52-380. **origin:** Turkey. **collected:** 1979.  
**collector:** Metzger, Hoffman. **collector id:** TK-52-380.  
**locality:** 31km S of Guzelsu, Van Province. **elevation:**  
2250m. **remarks:** Increased in 1984. Cultivated. Seed.

PI 531541. *Agropyron desertorum* (Fisch. ex Link) Schultes POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** D-3219. **origin:** Soviet Union. **locality:**  
Botanical garden, Stavropol. **remarks:** Seed presented in  
1983 by R. Kosina, Univ. of Wroclaw, Poland. Increased in  
1987. 2n=28. Cultivated. Seed.

PI 531542. *Agropyron fragile* (Roth) Candargy POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** D-3221. **origin:** Soviet Union. **locality:**  
Botanical garden, Stavropol. **remarks:** Seed presented in  
1983 by R. Kosina, Univ. of Wroclaw, Poland. Increased in  
1985. 2n=28. Cultivated. Seed.

PI 531543. *Agropyron mongolicum* Keng POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** D-2781. **origin:** China, Peoples Repub of.  
**origin institute:** Grassland Research Institute, CAAS,  
Hohehot. **locality:** Inner Mongolia. **remarks:** Seed  
presented in 1981 by Mr. Nin Bu. Increased in 1987.  
Wild. Seed.

PI 531544 to 531547. *Agropyron scabrifolium* (Doell) L. Parodi POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531544 to 531547-continued

- PI 531544 **donor id:** D-3442. **origin:** Argentina. **origin institute:** INTA Experiment Station, Anguil, La Pampa. **remarks:** Seed presented in 1984 by Dr. D.M. Sanchez. Increased in 1987. **received as:** *Elymus scabrifolius*. Wild. Seed.
- PI 531545 **donor id:** D-3453. **origin:** Argentina. **origin institute:** INTA Experiment Station, Anguil, La Pampa. **remarks:** Seed presented in 1985 by Dr. D.M. Sanchez. Increased in 1987. **received as:** *Elymus scabrifolius*. Wild. Seed.
- PI 531546 **origin:** Uruguay. **other id:** Castelar-234. **locality:** Montevideo. **remarks:** Seed presented in 1969 by Dr. J.H. Hunziker, Univ. of Buenos Aires, Argentina. Increased in 1986. **received as:** *Elymus scabrifolius*. Wild. Seed.
- PI 531547 **origin:** UNKNOWN. **remarks:** Seed presented by Dr. R.J. Metzger, USDA-ARS, Oregon State University, Corvallis, Oregon, from greenhouse plants. Increased in 1986. **received as:** *Elymus scabrifolius*. Wild. Seed.

PI 531548 to 531552. *Agropyron vaillantianum* (Wulfen) Trautv. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

- PI 531548 **donor id:** D-2816. **origin:** Mexico. **collected:** October 29, 1981. **collector:** D.R. Dewey. **collector id:** D-2816. **locality:** Hillside, S of CIMMYT field station, Toluca. **elevation:** 2650m. **remarks:** Culms to 50cm. Increased in 1984. 2n=28. **received as:** *Elymus vaillantianus*. Wild. Seed.
- PI 531549 **donor id:** D-2817. **origin:** Mexico. **collected:** October 29, 1981. **collector:** D.R. Dewey. **collector id:** D-2817. **locality:** Along an open sewer adjacent to corn fields, near CIMMYT field station, Toluca. **elevation:** 2640m. **remarks:** Glumes large. Rhizomes short. Culms to 120cm. Increased in 1987. 2n=28. **received as:** *Elymus vaillantianus*. Wild. Seed.
- PI 531550 **donor id:** D-2818. **origin:** Mexico. **collected:** October 29, 1981. **collector:** D.R. Dewey. **collector id:** D-2818. **locality:** Adjacent to corn field, near CIMMYT field station, Toluca. **elevation:** 2640m. **remarks:** Spikes slender. Increased in 1984. 2n=28. **received as:** *Elymus vaillantianus*. Wild. Seed.

PI 531548 to 531552-continued

PI 531551 **donor id:** D-2819. **origin:** Mexico. **collected:** October 29, 1981. **collector:** D.R. Dewey. **collector id:** D-2819. **locality:** Adjacent to corn field, near CIMMYT field station, Toluca. **elevation:** 2640m. **remarks:** Spikes compact. Increased in 1984. 2n=28. **received as:** *Elymus vaillantianus*. Wild. Seed.

PI 531552 **donor id:** D-2820. **origin:** Mexico. **collected:** October 29, 1981. **collector:** D.R. Dewey. **collector id:** D-2820. **locality:** Adjacent to corn field, near CIMMYT field station, Toluca. **elevation:** 2640m. **remarks:** Spikes purplish. Increased in 1987. 2n=28. **received as:** *Elymus vaillantianus*. Wild. Seed.

PI 531553. *Australopyrum retrofractum* (Vick.) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-3420. **origin:** Australia. **origin institute:** CSIRO, Canberra, New South Wales. **collected:** January 1984. **collector:** R. Pullen. **collector id:** Pullen 11079. **locality:** Eastern highlands, Mt. Cowangerong. **remarks:** Seed presented in 1984 by R. Pullen. Increased in 1987. 2n=14. Wild. Seed.

PI 531554 to 531557. *Elymus abolinii* (Drobov) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531554 **donor id:** DT-3066. **origin:** China, Peoples Repub of. **collected:** August 07, 1983. **collector:** D.R. Dewey. **collector id:** DT-3066. **locality:** Xiao Huang Mountains, 90km ENE of Urumqi, Xinjiang. **elevation:** 1200m. **remarks:** Spikes bronze-colored. Awns long, spreading. Increased in 1985. 2n=28. Wild. Seed.

PI 531555 **donor id:** DT-3120. **origin:** China, Peoples Repub of. **collected:** August 08, 1983. **collector:** D.R. Dewey. **collector id:** DT-3120. **locality:** Eastern shore, Tian Lake, 100km ENE of Urumqi, Xinjiang. **elevation:** 1900m. **remarks:** Glumes large. Awned. Increased in 1985. 2n=28. Wild. Seed.



PI 531554 to 531557-continued

PI 531556 **origin:** Soviet Union. **origin institute:** Institute of Zoology & Botany, Tartu, Estonian S.S.R.. **origin institute id:** 29-73. **collected:** September 06, 1973. **locality:** Dzeto-Oghuz river gorge, Terskey-Alatau mountains SE of Przheval'sk, Khirgizia. **remarks:** Seed presented in 1973 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531557 **origin:** Soviet Union. **origin institute:** Institute of Zoology & Botany, Tartu, Estonian. **origin institute id:** 43-73. **collected:** September 08, 1973. **locality:** Dzeto-Oghuz river gorge, Terskey-Alatau mountains SW of Przheval'sk, Khirgizia. **remarks:** Seed presented in 1973 by Dr. Vello Jaaska. Increased in 1984. 2n=28. Wild. Seed.

PI 531558. *Elymus arizonicus* (Scribner & J. G. Smith) Gould POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** United States. **locality:** Organ Mountains, 24.14km SE of Las Cruces. **remarks:** Seed presented in 1979 by Dr. Stephan L. Hatch, Texas A & M Univ., College Station, Texas, U.S. Increased in 1987. 2n=28. Wild. Seed.

PI 531559 to 531560. *Elymus atratus* (Nevski) Hand.-Mazz. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531559 **donor id:** D-2785. **origin:** China, Peoples Repub of. **origin institute:** Sichuan Agric. College, Ya-an, Sichuan. **origin institute id:** NWC-17-8-81-1. **collected:** September 01, 1983. **locality:** "Northwestern" provinces. **remarks:** Seed presented in 1981 by Dr. Yen Chi. Increased in 1987. 2n=42. Wild. Seed.

PI 531560 **donor id:** D-3382. **origin:** China, Peoples Repub of. **origin institute:** Northwest Institute of Biology, Xining, Qinghai. **locality:** Qilian County, Qinghai. **elevation:** 3100m. **remarks:** Seed presented in 1983 by Dr. Gou Ben-Zhao. Increased in 1987. Wild. Seed.

PI 531561. *Elymus bakeri* (E. E. Nelson) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** D-3359. **origin:** United States. **collected:** August 07, 1983. **collector:** R.J. Atkins. **locality:** Slopes above Uncompahgre River, 4.83km S of Ouray, Ouray County. **elevation:** 2590m. **remarks:** Increased in 1987. 2n=28. Wild. Seed.

PI 531562. *Elytrigia batalinii* (Krasn.) Nevski POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **origin institute id:** 36-73. **locality:** Gorge, Barskaun River, Terskei-Alatau Mountains, 25km SW of Barskaun village, Khirgizia. **remarks:** Seed presented in 1973 by Dr. Vello Jaaska. Seed increased in 1984. 2n=42. Wild. Seed.

PI 531563. *Elymus breviaristatus* (A. Hitchc.) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** D-2786. **origin:** China, Peoples Repub of. **origin institute:** Agricultural College, Ya-an, Sichuan. **origin institute id:** NWC-26-8-81-2. **locality:** "Northwestern" provinces. **remarks:** Seed presented in 1981 by Dr. Yen Chi. Increased in 1984. Wild. Seed.

PI 531564 to 531569. *Elymus canadensis* L. POACEAE Canada wildrye

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531564 **donor id:** D-3231. **origin:** Soviet Union. **locality:** Botanical garden, Stavropol. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, Univ. of Wroclaw, Poland. Increased in 1987. 2n=28. Cultivated. Seed.

PI 531564 to 531569-continued

- PI 531565 **donor id:** D-3367. **origin:** United States. **collected:** August 09, 1983. **collector:** R.J. Atkins. **locality:** Rist Canyon, 4.8km W of La Porte, Larimer County. **elevation:** 1829m. **remarks:** Increased in 1985. 2n=28. Wild. Seed.
- PI 531566 **donor id:** D-3477. **origin:** United States. **collected:** August 30, 1984. **remarks:** Seed presented in 1985 by Dr. Charles Crane, Utah State University, Logan, Utah. Increased in 1987. 2n=28. Wild. Seed.
- PI 531567 **origin:** Canada. **origin institute:** Agriculture Canada, Alberta. **origin institute id:** 211. **locality:** Beaverlodge area. **remarks:** Seed presented in 1974 by Dr. S.G. Bonin. Increased in 1986. 2n=28. Wild. Seed.
- PI 531568 **donor id:** D-3478. **origin:** United States. **collected:** August 30, 1984. **locality:** Strip mine, N of Columbia. **remarks:** Seed presented in 1985 by Dr. Charles Crane, Utah State Univ., Logan Utah. Increased in 1987. 2n=28. Wild. Seed.
- PI 531569 **origin:** Soviet Union. **origin institute:** Tashkent Botanical Garden, Uzbekistan. **origin institute id:** 4828. **remarks:** Seed presented in 1976. Increased in 1986. 2n=28. Wild. Seed.

PI 531570 to 531571. *Elymus caninus* (L.) L. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

- PI 531570 **donor id:** DT-3144. **origin:** China, Peoples Repub of. **collected:** August 09, 1983. **collector:** D.R. Dewey. **collector id:** DT-3144. **locality:** Side canyon, road to Tian Lake about 90km ENE of Urumqi, Xinjiang. **elevation:** 1730m. **remarks:** Spikes light bronze, awned. Increased in 1987. 2n=28. Wild. Seed.
- PI 531571 **donor id:** D-3222. **origin:** Poland. **locality:** Near Wroclaw. **remarks:** Seed presented by 1983 by Dr. Romuald Kosina, Univ. of Wroclaw. Increased in 1985. 2n=28. Wild. Seed.

PI 531572 to 531573. *Elymus caucasicus* (K. Koch) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531572 to 531573-continued

PI 531572 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Near Dilidjan, Armenian S.S.R. **remarks:** Seed presented in 1974 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531573 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **origin institute id:** 43-72. **locality:** Near Dilidjan, Armenian S.S.R. **remarks:** Seed presented by 1977 by Dr. Vello Jaaska. Increased in 1982. 2n=28. Wild. Seed.

PI 531574 to 531577. *Elymus ciliaris* (Trin.) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531574 **donor id:** D-2757. **origin:** China, Peoples Repub of. **origin institute:** Chinese Academy of Agricultural Sciences, Beijing. **remarks:** Seed presented in 1980. Increased in 1982. 2n=28. Wild. Seed.

PI 531575 **donor id:** D-2811. **origin:** China, Peoples Repub of. **locality:** Old ruin, west Beijing. **remarks:** Seed presented by 1981 by Dr. George Liang, Kansas State Univ., Manhattan, Kansas. Increased in 1987. 2n=28. Wild. Seed.

PI 531576 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Vicinity of Vladivostok. **remarks:** Seed presented by 1971 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531577 **origin:** Japan. **origin institute:** Kyoto University, Kyoto. **locality:** Near Misima. **remarks:** Seed presented by 1973 by Dr. Sadao Sakamoto. Increased in 1987. 2n=28. Wild. Seed.

PI 531578. *Elymus coreanus* Honda POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-3562. **origin:** Soviet Union. **origin institute:** Vladivostok Botanical Garden. **remarks:** Seed presented by 1986 by Dr. Nina Probatova. Wild. Seed.

PI 531579 to 531580. *Elymus curvatus* Piper POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531579 **origin:** Soviet Union. **origin institute:** Dushanbe Botanical Garden, Dushanbe, Tadzikistan S.S.R..  
**locality:** Stalinabad Region, Tadzikistan S.S.R. **remarks:** Seed presented in 1976. Increased in 1987. 2n=28. Wild. Seed.

PI 531580 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R..  
**origin institute id:** 37-73. **collected:** September 07, 1973.  
**locality:** Gorge, Barskaun River, Terskei-Alatau mountains, 25km S of Barskaun village, Khirgizia.  
**remarks:** Seed presented in 1973 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531581 to 531590. *Elymus dahuricus* Turcz. ex Griseb. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531581 **donor id:** D-2506. **origin:** China, Peoples Repub of.  
**collected:** July 27, 1980. **locality:** 60km N of Beijing, toward the Great Wall. **elevation:** 700m. **remarks:** Spikes dense, unilateral. Increased in 1982. 2n=42. Wild. Seed.

PI 531582 **donor id:** DT-3106. **origin:** China, Peoples Repub of.  
**collected:** August 08, 1983. **collector:** D.R. Dewey.  
**collector id:** DT-3106. **locality:** East shore of Tian Lake, approx. 100km ENE of Urumqi, Xinjiang. **elevation:** 1900m. **remarks:** Spikes large, late maturing. Increased in 1985. 2n=42. Wild. Seed.

PI 531583 **donor id:** DT-3168. **origin:** China, Peoples Repub of.  
**origin institute:** Gang Gou Grassland Station, Xinjiang.  
**collected:** August 10, 1983. **collector:** D.R. Dewey.  
**collector id:** DT-3168. **locality:** At the Station, 60km SW of Urumqi, Xinjiang. **elevation:** 1850m. **remarks:** Increased in 1985. 2n=42. Cultivated. Seed.

PI 531584 **donor id:** DT-3384. **origin:** China, Peoples Repub of.  
**origin institute:** Northwest Institute of Biology, Xining, Qinghai. **collected:** September 22, 1983. **locality:** Near Xining, Qinghai. **elevation:** 2400m. **remarks:** Seed presented in 1983 by Dr. Gou Ben-Zhao. Increased in 1985. 2n=42. Wild. Seed.

PI 531581 to 531590-continued

PI 531585 **donor id:** DT-3521. **origin:** Pakistan. **other id:** H-4052.  
**locality:** Borit Lake, Gilgit. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural University, Svalov, Sweden. Increased in 1987. 2n=42. Wild. Seed.

PI 531586 **donor id:** DT-3522. **origin:** Pakistan. **other id:** H-4138.  
**locality:** Astor, Gilgit. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural University, Svalov, Sweden. Increased in 1987. 2n=42. Wild. Seed.

PI 531587 **donor id:** D-3528. **origin:** Pakistan. **other id:** H-4025.  
**locality:** Bathura, Gilgit. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural University, Svalov, Sweden. Increased in 1987. 2n=42. Wild. Seed.

PI 531588 **donor id:** D-3537. **origin:** Pakistan. **other id:** H-4073.  
**locality:** Babusar, Gilgit. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural University, Svalov, Sweden. Increased in 1987. 2n=42. Wild. Seed.

PI 531589 **donor id:** D-3548. **origin:** China, Peoples Repub of.  
**origin institute:** Grassland Institute, CAAS, Hohhot, Inner Mongolia. **locality:** Inner Mongolia. **remarks:** Seed presented in 1985. Increased in 1987. 2n=42. Wild. Seed.

PI 531590 **origin:** Soviet Union. **origin institute:** Tashkent Botanical Garden, Uzbekistan. **origin institute id:** 27.  
**locality:** Tashkent region. **remarks:** Seed presented in 1976. Increased in 1982. 2n=42. Wild. Seed.

PI 531591 to 531593. *Elymus dahuricus* Turcz. ex Griseb. subsp. dahuricus POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531591 **donor id:** D-2787. **origin:** China, Peoples Repub of.  
**origin institute:** Agricultural College, Ya-an, Sichuan. **origin institute id:** NWC-6-8-81-2. **locality:** "Northwestern" provinces. **remarks:** Seed presented in 1981 by Dr. Yen Chi. Increased in 1987. Wild. Seed.

PI 531591 to 531593-continued

- PI 531592 **donor id:** D-2828. **origin:** China, Peoples Repub of.  
**origin institute:** In. Mongolian Coll. of Agr. & An.  
Husb., Hohehot, Inner Mongolia. **locality:** Inner  
Mongolia. **remarks:** Seed presented in 1982 by Mr. Liu  
De-Fu. Increased in 1987. 2n=42. Wild. Seed.
- PI 531593 **donor id:** D-3383. **origin:** China, Peoples Repub of.  
**origin institute:** Northwest Institute of Biology, Xining,  
Qinghai. **collected:** September 22, 1983. **locality:**  
Xining, Qinghai. **elevation:** 2400m. **remarks:** Seed  
presented in 1983 by Dr. Gou Ben-Zhao. Increased in 1985.  
2n=42. Wild. Seed.
- PI 531594 to 531598. *Elymus dahuricus* subsp. *excelsus* (Turcz. ex  
Griseb.) Tzvelev POACEAE
- Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.
- PI 531594 **donor id:** D-2769. **origin:** China, Peoples Repub of.  
**origin institute:** Gansu Grassland Ecological Institute,  
Lanzhou, Gansu. **remarks:** Seed presented in 1981 by Dr.  
Ren Jiz-Hou. Increased in 1983. 2n=42. Wild. Seed.
- PI 531595 **donor id:** D-2789. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural College, Ya-an,  
Sichuan. **origin institute id:** NWC-27-7-81-1. **locality:**  
"Northwestern" provinces. **remarks:** Seed presented in  
1981 by Dr. Yen Chi. Increased in 1983. 2n=42. Wild.  
Seed.
- PI 531596 **donor id:** D-3208. **origin:** German Democratic Repub.  
**locality:** Botanical garden, Berlin-Dahlem. **remarks:** Seed  
presented in 1983 by Dr. Romuald Kosina, Univ. of  
Wroclaw, Poland. Increased in 1985. 2n=42. Cultivated.  
Seed.
- PI 531597 **donor id:** D-2792. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural College, Ya-an,  
Sichuan. **origin institute id:** NWC-15-8-81-2. **locality:**  
"Northwestern" provinces. **remarks:** Seed presented in  
1981 by Dr. Yen Chi. Increased in 1984. 2n=42. **received  
as:** *E. dahuricus* ssp. *tangutorus*. Wild. Seed.
- PI 531598 **donor id:** D-3534. **origin:** Pakistan. **other id:** H-4016.  
**locality:** Nagar, Gilgit. **remarks:** Seed presented in 1985  
by Dr. Roland von Bothmer, Swedish Agricultural Univ.,  
Svalov, Sweden. Increased in 1987. 2n=42. Wild. Seed.

PI 531599. *Elymus dentatus* (J. D. Hook.) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-3523. **origin:** Pakistan. **other id:** H-4091. **locality:** Lolazar, Hazara. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural Univ., Svalov, Sweden. Increased in 1987. 2n=28. Wild. Seed.

PI 531600. *Elymus donianus* (F. B. White) A. Love & D. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** United Kingdom. **locality:** Botanical garden, Cambridge. **remarks:** Seed presented in 1963 by Dr. J.R. Schaeffer, Montana State Univ., Bozeman, Montana. Increased in 1984. 2n=28. Cultivated. Seed.

PI 531601. *Elymus drobovii* (Nevski) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Forest, Fergana Mountains, 50km N of Dzalal-Abad, near Arslanbub, southern Khirgizia. **remarks:** Seed presented in 1974 by Dr. Vello Jaaka. Increased in 1984. 2n=42. Wild. Seed.

PI 531602 to 531606. *Elymus elymoides* (Raf.) Swezey POACEAE  
Squirreltail

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531602 **donor id:** D-2854. **origin:** United States. **collected:** July 15, 1982. **collector:** D.R. Dewey. **collector id:** D-2854. **locality:** SW of airport, Truckee. **elevation:** 1829m. **remarks:** Increased in 1987. 2n=28. Wild. Seed.



PI 531602 to 531606-continued

- PI 531603 **donor id:** D-2857. **origin:** United States. **collected:** July 15, 1982. **collector:** D.R. Dewey. **collector id:** D-2857. **locality:** Hwy 50 near Lake Tahoe. **remarks:** Increased in 1987. 2n=28. Wild. Seed.
- PI 531604 **donor id:** D-2986. **origin:** United States. **locality:** Toe Jam Creek, Elko County. **elevation:** 1829m. **remarks:** Seed presented by Mr. J.R. Carlson, Soil Conservation Service, Portland, Oregon. Increased in 1986. 2n=28. Wild. Seed.
- PI 531605 **donor id:** D-3345. **origin:** United States. **collected:** August 08, 1983. **collector:** R.J. Atkins. **locality:** 7.4km from Hwy 160, road to Gardner, Huerfano County. **elevation:** 2438m. **remarks:** Increased in 1985. 2n=28. Wild. Seed.
- PI 531606 **donor id:** D-3546. **origin:** United States. **collected:** June 26, 1985. **collector:** D.R. Dewey. **collector id:** D-3546. **locality:** Along Columbia River, Central Ferry. **remarks:** Awns fine, long. Increased in 1987. 2n=28. Wild. Seed.

PI 531607 to 531608. *Elymus fedtschenkoi* Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

- PI 531607 **donor id:** D-3524. **origin:** Pakistan. **other id:** H-4117. **locality:** Mahodan, Swat, NWFP. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural Univ., Svalov, Sweden. Increased in 1987. 2n=28. Wild. Seed.
- PI 531608 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **origin institute id:** 44-73. **collected:** September 08, 1973. **locality:** Gorge of Dzeto-Oghuz river, SW of Prshevalsk, Terskei-Alatau mountains in Khirgizia. **remarks:** Seed presented in 1973 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531609. *Elymus fibrosus* (Schrenk) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531609-continued

**donor id:** D-3227. **origin:** German Democratic Repub.  
**locality:** Botanical garden, Berlin-Dahlem. **remarks:** Seed  
presented in 1983 by Dr. Romuald Kosina, Univ. of  
Wroclaw, Poland. Increased in 1985. 2n=28. Cultivated.  
Seed.

PI 531610 to 531612. *Elymus glaucus* Buckley POACEAE Blue wildrye

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531610 **donor id:** D-3254. **origin:** United States. **collected:**  
July 11, 1983. **collector:** R.J. Atkins. **locality:** Along  
Tieton River, 29km W of Naches. **elevation:** 640m.  
**remarks:** Increased in 1985. 2n=28. Wild. Seed.

PI 531611 **donor id:** D-3256. **origin:** United States. **collected:**  
July 13, 1983. **collector:** R.J. Atkins. **locality:** Along  
Methow River, between Methow and Pateros, Okanogan  
County. **remarks:** Increased in 1987. 2n=28. Wild. Seed.

PI 531612 **origin:** Soviet Union. **origin institute:** Tashkent  
Botanical Garden, Uzbekistan S.S.R.. **remarks:** Increased  
in 1984. 2n=28. Cultivated. Seed.

PI 531613. *Elymus gmelinii* (Ledeb.) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** DT-3171. **origin:** China, Peoples Repub of.  
**origin institute:** Gang Gou Grassland Station, Xinjiang.  
**collected:** August 10, 1983. **collector:** D.R. Dewey.  
**collector id:** DT-3171. **locality:** Station grounds, 60km  
SW of Urumqi, Xinjiang. **elevation:** 1850m. **remarks:**  
Spikes reddish. Awns long. Increased in 1987. 2n=28.  
Cultivated. Seed.

PI 531614. *Elymus grandiglumis* (Keng) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531614-continued

**donor id:** DT-3402. **origin:** China, Peoples Repub of.  
**origin institute:** Northwest Institute of Biology, Xining,  
Qinghai. **collected:** September 20, 1983. **locality:**  
Gonghe County, Qinghai. **elevation:** 2500m. **remarks:** Seed  
presented by Dr. Gou Ben-Zhao. Increased in 1987. 2n=42.  
Wild. Seed.

PI 531615 to 531616. *Elymus hystrix* L. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531615 **donor id:** D-3479. **origin:** United States. **collected:**  
August 30, 1984. **collector:** C. Crane. **locality:** Near  
Columbia. **remarks:** Seed presented in 1985. Increased in  
1987. 2n=28. Wild. Seed.

PI 531616 **origin:** United States. **other id:** 4318. **locality:** Perry  
County. **remarks:** Seed presented in 1971 by Dr. E.E.  
Terrell, USDA-ARS, Beltsville, Maryland. Increased in  
1986. 2n=28. Wild. Seed.

PI 531617. *Elymus interruptus* Buckley POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**origin:** Canada. **origin institute:** Univ. of Manitoba,  
Winnipeg, Manitoba. **locality:** Brandon Hills, Manitoba.  
**remarks:** Seed presented in 1974 by H.H. Marshall.  
Increased in 1986. 2n=28. Wild. Seed.

PI 531618 to 531620. *Elymus kengii* Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531618 **donor id:** D-2588. **origin:** China, Peoples Repub of.  
**collected:** August 05, 1980. **collector:** D.R. Dewey.  
**collector id:** D-2588. **locality:** Sod transplant garden on  
campus of University of Lanzhou, Lanzhou, Gansu. Sod  
originally from alpine meadow, Qilian Shan mountains,  
approx. 500km NW of Lanzhou. **elevation:** 4300m. **remarks:**  
Increased in 1987. 2n=42. Wild. Seed.

PI 531618 to 531620-continued

PI 531619 donor id: D-2760. origin: China, Peoples Repub of.  
origin institute: Chinese Academy of Agricultural  
Sciences, Beijing. remarks: Increased in 1984. 2n=42.  
Wild. Seed.

PI 531620 donor id: D-3404. origin: China, Peoples Repub of.  
origin institute: Northwest Institute of Biology, Xining,  
Qinghai. collected: September 01, 1983. locality:  
Menyuan County, Qinghai. remarks: Seed presented in 1983  
by Dr. Gou Ben-Zhao. Increased in 1987. 2n=42. Wild.  
Seed.

PI 531621. *Elymus kokonoricus* (Keng) A. Love POACEAE

Donated by: Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

donor id: DT-3022. origin: China, Peoples Repub of.  
collected: August 01, 1983. collector: D.R. Dewey.  
collector id: DT-3022. locality: Between Xining and  
Qinghai lake, Dong-He County, Qinghai Prov. elevation:  
2900m. remarks: Seed presented in 1983 by Dr. Gou  
Ben-Zhao. Increased in 1987. 2n=42. Wild. Seed.

PI 531622. *Elymus komarovii* (Nevski) Tzvelev POACEAE

Donated by: Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

donor id: D-3561. origin: Soviet Union. origin  
institute: Vladivostok Botanical Garden, Vladivostok.  
remarks: Seed presented in 1986 by Dr. Nina Probatova.  
Original seed collected in 1984 from an unspecified site  
in far eastern USSR. Wild. Seed.

PI 531623 to 531630. *Elymus lanceolatus* (Scribner & J. G. Smith) Gould  
POACEAE

Donated by: Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531623 donor id: D-2858. origin: United States. collected:  
July 15, 1982. collector: D.R. Dewey. collector id:  
D-2858. locality: Along Hwy 50 near Lake Tahoe.  
remarks: Increased in 1987. 2n=28. Wild. Seed.

PI 531623 to 531630-continued

- PI 531624 donor id: D-3296. origin: United States. collected: August 09, 1983. collector: R.J. Atkins. locality: 14.4km N of Laramie, along Hwy 287, Albany County. elevation: 2164m. remarks: Increased in 1986. 2n=28. Wild. Seed.
- PI 531625 donor id: D-3352. origin: United States. collected: August 09, 1983. collector: R.J. Atkins. locality: Along Sugar Creek on Hwy 67, 4km from the confluence with South Platte River, Douglas County. elevation: 2042m. remarks: Awns slightly divergent. Increased in 1987. 2n=28. received as: *E. lanceolatus* ssp. *griffithsii*. Wild. Seed.
- PI 531626 donor id: D-2841. origin: United States. collected: 1982. collector: K.H. Asay. collector id: K-27. locality: Rocky slope, Hwy 96, approx. 38.6km N of New Meadows. remarks: Increased in 1987. 2n=28. received as: *E. lanceolatus* ssp. *wawawai*. Wild. Seed.
- PI 531627 donor id: D-2842. origin: United States. collected: 1982. collector: K.H. Asay. collector id: K-29. locality: Along Salmon River, approx. 8km N of Riggins. remarks: Increased in 1985. 2n=28. received as: *E. lanceolatus* ssp. *wawawai*. Wild. Seed.
- PI 531628 donor id: D-2843. origin: United States. collected: 1982. collector: K.H. Asay. collector id: K-42. locality: Wawawai road, 19.4km W of Colton. remarks: Increased in 1984. 2n=28. received as: *E. lanceolatus* ssp. *wawawai*. Wild. Seed.
- PI 531629 donor id: D-3542. origin: United States. collected: June 24, 1985. collector: D.R. Dewey. collector id: D-3542. locality: Mileage marker 90, Hwy 26, between Washtucna and Colfax, Adams County. remarks: Increased in 1987. 2n=28. received as: *E. lanceolatus* ssp. *wawawai*. Wild. Seed.
- PI 531630 donor id: D-3543. origin: United States. collected: June 26, 1985. collector: D.R. Dewey. collector id: D-3543. locality: Rocky outcrop along the Columbia River near Central Ferry. remarks: Plants robust, large colony. Increased in 1987. 2n=28. received as: *E. lanceolatus* ssp. *wawawai*. Wild. Seed.

PI 531631. *Elymus laxiflorus* (Keng) A. Love POACEAE

Donated by: Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531631-continued

**donor id:** D-2772. **origin:** China, Peoples Repub of.  
**origin institute:** Gansu Grassland Ecological Institute,  
Lanzhou, Gansu. **remarks:** Seed presented in 1981 by Dr.  
Ren Jiz-Hou. Increased in 1984. Wild. Seed.

PI 531632. *Elymus longearistatus* subsp. *canaliculatus* (Nevski) Tzvelev  
POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** D-3525. **origin:** Pakistan. **other id:** H-4118.  
**locality:** Mahodan, Swat, NWFP. **remarks:** Seed presented  
in 1985 by Dr. Roland von Bothmer, Swedish Agricultural  
Univ., Svalov, Sweden. Increased in 1987. Wild. Seed.

PI 531633. *Elymus macrourus* (Turcz.) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** D-1247. **origin:** Canada. **collected:** 1973.  
**collector:** D.R. Dewey. **collector id:** D-1247. **locality:**  
Roadside, 64.4km N of Lake Louise. **remarks:** Increased in  
1984. 2n=28. Wild. Seed.

PI 531634. *Elymus magellanicus* (Desv.) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**origin:** Chile. **other id:** 686. **locality:** Punta Arenas.  
**remarks:** Seed presented in 1971 by Dr. Yvonne Cauderon,  
I.N.R.A. Station d'Amelioration des Plantes, Versailles,  
France. Increased in 1987. 2n=28. Wild. Seed.

PI 531635. *Elymus multiflorus* (Banks & Sol. ex Hook. f.) A. Love &  
Connor POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531635-continued

**origin:** New Zealand. **origin institute:** DSIR, Christchurch. **origin institute id:** 1239. **locality:** Auckland Province. **remarks:** Seed presented in 1971 by Dr. J.B. Hair. Increased in 1986. **received as:** *E. kirkii*. Wild. Seed.

PI 531636 to 531638. *Elymus mutabilis* (Drobov) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531636 **donor id:** D-2708. **origin:** China, Peoples Repub of. **collected:** August 14, 1980. **collector:** D.R. Dewey. **collector id:** D-2708. **locality:** Outlet, Tian Lake, approx. 100km NE of Urumqi, Xinjiang. **remarks:** Culms to 75cm. Glumes broad. Awnless. Increased in 1984.  $2n=28$ . Wild. Seed.

PI 531637 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Kamchatka Region of far-eastern USSR. **remarks:** Seed presented in 1971 by Dr. Vello Jaaska. Increased in 1984.  $2n=28$ . Wild. Seed.

PI 531638 **donor id:** D-3526. **origin:** Pakistan. **other id:** H-4132. **locality:** S. Minapin, Gilgit. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural Univ., Svalov, Sweden. Increased in 1987.  $2n=28$ . Wild. Seed.

PI 531639. *Elymus mutabilis* (Drobov) Tzvelev subsp. *mutabilis* POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** Soviet Union. **origin institute:** Main Botanical Garden, Moscow. **origin institute id:** 1254. **remarks:** Seed presented in 1963 by Dr. J.R. Schaeffer, Univ. of Montana, Bozeman, Montana, U.S. Increased in 1987.  $2n=28$ . **received as:** *E. angustiglumis*. Cultivated. Seed.

PI 531640 to 531642. *Elymus mutabilis* var. *oschensis* (Nevski) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531640 to 531642-continued

- PI 531640 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **origin institute id:** 13-73. **collected:** September 03, 1973. **locality:** River bank, gorge of Issyk-Ata, Khirgiz-Alatau mountains, 70km SE of Frunze, Khirgizia. **remarks:** Seed presented in 1973 by Dr. Vello Jaaska. Increased in 1984. 2n=28. **received as:** *E. oschensis*. Wild. Seed.
- PI 531641 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian. **origin institute id:** 20-73. **collected:** September 03, 1973. **locality:** River bank, gorge of Issyk-Ata, Khirgiz-Alatau mountains, 70km SE of Frunze, Khirgizia. **remarks:** Seed presented in 1973 by Dr. Vello Jaaska. Increased in 1984. 2n=28. **received as:** *E. oschensis*. Wild. Seed.
- PI 531642 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **origin institute id:** 51-73. **collected:** September 08, 1973. **locality:** River bank, gorge of Dzeto-Oghuz, Terskei-Alatau mountains, eastern Khirgizia. **remarks:** Seed presented in 1973 by Dr. Vello Jaaska. Increased in 1984. 2n=28. **received as:** *E. oschensis*. Wild. Seed.

PI 531643 to 531645. *Elymus nutans* Griseb. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

- PI 531643 **donor id:** D-2718. **origin:** China, Peoples Repub of. **collected:** August 25, 1980. **locality:** Above Tai Zhu Ping, Mt. Omei, Sichuan. **elevation:** 2900m. **remarks:** Spikes flexous. Seed presented in 1980 by Dr. Peter Raven, Missouri Botanical Garden, St. Louis, Missouri. Increased in 1982. Wild. Seed.
- PI 531644 **donor id:** D-3387. **origin:** China, Peoples Repub of. **origin institute:** Lanzhou Institute of Animal Science, Lanzhou, Gansu. **collected:** September 28, 1983. **locality:** Bin Cao, Huangcheng Ranch, Gansu. **elevation:** 2600m. **remarks:** Seed presented in 1983 by Dr. Wu Ren-Run. Increased in 1985. Wild. Seed.
- PI 531645 **donor id:** D-3550. **origin:** China, Peoples Repub of. **origin institute:** Grassland Institute, CAAS, Hohhot, Inner Mongolia. **locality:** Qinghai Province. **remarks:** Seed presented in 1985. Increased in 1987. Wild. Seed.



PI 531646. *Elymus panormitanus* (Parl.) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** Iraq. **other id:** 6-16-7-4. **locality:** Sarsang. **remarks:** Seed presented in 1971 by Dr. Sadao Sakamoto, Kyoto Univ., Kyoto, Japan. Increased in 1987. Wild. Seed.

PI 531647. *Elymus parishii* Burt Davy & Merr. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-2984. **origin:** United States. **origin institute:** University of California, Davis, California. **origin institute id:** 9884. **locality:** 1.9km W of Grizzly Flat, approx. 25.6km ESE of Placerville. **remarks:** Seed presented by Prof. Beecher Crampton. Increased in 1987. 2n=28. Wild. Seed.

PI 531648 to 531650. *Elymus pendulinus* (Nevski) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531648 **donor id:** D-3409. **origin:** China, Peoples Repub of. **origin institute:** Sichuan Agricultural College, Ya-an, Sichuan. **locality:** San-men County, Henan. **remarks:** Seed presented in 1983 by Dr. Yen Chi. Increased in 1987. 2n=28. Wild. Seed.

PI 531649 **donor id:** D-3410. **origin:** China, Peoples Repub of. **origin institute:** Sichuan Agricultural College, Ya-an, Sichuan. **locality:** He-Jin County, Shanxi. **remarks:** Seed presented in 1983 by Dr. Yen Chi. Increased in 1987. 2n=28. Wild. Seed.

PI 531650 **donor id:** D-3411. **origin:** China, Peoples Repub of. **origin institute:** Sichuan Agricultural College, Ya-an, Sichuan. **locality:** Hua-Qing pond. **remarks:** Seed presented in 1983 by Dr. Yen Chi. Increased in 1987. 2n=28. Wild. Seed.

PI 531651 to 531652. *Elymus praeruptus* Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531651 **origin:** Soviet Union. **origin institute:** Institute of Zoology & Botany, Tartu, Estonian S.S.R.. **origin institute id:** 66-74. **locality:** Rocky hillside, Anzob Pass, Hissar Mountains, Tadzikistan. **elevation:** 3380m. **remarks:** Seed presented in 1973 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531652 **origin:** Soviet Union. **origin institute:** Dushanbe Botanical Garden, Dushanbe. **locality:** Stalinabad Region, Tadzikistan. **remarks:** Seed presented in 1976. Increased in 1987. 2n=28. Wild. Seed.

PI 531653. *Elymus retusus* A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-2758. **origin:** China, Peoples Repub of. **origin institute:** Chinese Academy of Agricultural Sciences, Beijing. **remarks:** Seed presented in 1980. Increased in 1984. 2N=42. Wild. Seed.

PI 531654. *Elymus scabriglumis* (Hack.) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** Argentina. **other id:** Castelar-672. **locality:** La Pampa Province. **remarks:** Seed presented by Dr. J.H. Hunziker, Univ. of Buenos Aires. Increased in 1985. 2n=42. Wild. Seed.

PI 531655 to 531658. *Elymus scabrus* (R. Br.) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531655 **donor id:** D-2899. **origin:** Australia. **origin institute:** Agricultural Research Station, Glenn Innes. **remarks:** Seed presented in 1982 by Dr. Guy Robinson. Increased in 1986. 2n=42. Wild. Seed.

PI 531655 to 531658-continued

PI 531656 **donor id:** D-2917. **origin:** Australia. **origin institute:** Agricultural Research Station, Glenn Innes. **remarks:** Seed presented in 1982 by Dr. Guy Robinson. Increased in 1986. 2n=42. Wild. Seed.

PI 531657 **donor id:** D-3440. **origin:** Australia. **origin institute:** Waite Agricultural Institute, Glen Osmond, South Australia. **collected:** March 08, 1984. **collector:** D.I. Morris. **other id:** HO-74905. **locality:** Tasmanian east coast, Melton Mowbray-Bothwell road near Grantham/Hinside turnoff by the "Pub With No Beer". **remarks:** Seed presented in 1984 by Dr. D.E. Symon. Increased in 1987. 2n=42. Wild. Seed.

PI 531658 **origin:** New Zealand. **origin institute:** DSIR, Christchurch. **other id:** G-482. **remarks:** Seed presented in 1963 by Dr. H.E. Connor. Increased in 1987. 2n=42. Wild. Seed.

PI 531659. *Elymus scribneri* (Vasey) M. E. Jones POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** United States. **locality:** Wasatch Plateau, approx. 16km E of Ephraim. **elevation:** 3292m. **remarks:** Seed presented in 1960 by Mr. A.T. Bleak, USDA-ARS, Logan, Utah. Increased in 1987. 2n=28. Wild. Seed.

PI 531660 to 531663. *Elymus semicostatus* (Nees ex Steudel) Meld.  
POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531660 **donor id:** D-3527. **origin:** Pakistan. **other id:** H-4002. **locality:** Hunza, Gilgit. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural Univ., Svalov, Sweden. Increased in 1987. 2n=28. Wild. Seed.

PI 531661 **donor id:** D-3530. **origin:** Pakistan. **other id:** H-4096. **locality:** Nagar, Hazara. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural Univ., Svalov, Sweden. Increased in 1987. 2n=28. Wild. Seed.

PI 531660 to 531663-continued

PI 531662 **donor id:** D-3531. **origin:** Pakistan. **other id:** H-4100. **locality:** Naran, Hazara. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural Univ., Svalov, Sweden. Increased in 1987. 2n=28. Wild. Seed.

PI 531663 **donor id:** D-3532. **origin:** Pakistan. **other id:** H-4061. **locality:** Hinapin, Gilgit. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural Univ., Svalov, Sweden. Increased in 1987. 2n=28. Wild. Seed.

PI 531664. *Elymus semicostatus* subsp. *foliosus* (Keng) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
**Received** October 07, 1988.

**donor id:** D-3401. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural University, Ya-an, Sichuan. **locality:** Kang-Ding, Sichuan. **remarks:** Seed presented in 1983 by Dr. Yen Chi. Increased in 1985. 2n=28. **received as:** *E. foliosus*. Wild. Seed.

PI 531665 to 531675. *Elymus sibiricus* L. POACEAE Wildrye

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
**Received** October 07, 1988.

PI 531665 **donor id:** D-2505. **origin:** China, Peoples Repub of. **collected:** July 27, 1980. **collector:** D.R. Dewey. **collector id:** D-2505. **locality:** Road to Great Wall, 50km N of Beijing. **remarks:** Spikes drooping. Increased in 1981. 2n=28. Wild. Seed.

PI 531666 **donor id:** D-2715. **origin:** China, Peoples Repub of. **collected:** August 25, 1980. **other id:** 26125. **locality:** Weedy opening in forest, Gi Yen Dien, Mt. Omei, Sichuan. **elevation:** 2600m. **remarks:** Seed presented in 1980 by Dr. Peter Raven, Missouri Botanical Garden, St. Louis, Missouri. Increased in 1982. 2n=28. Wild. Seed.

PI 531667 **donor id:** D-2716. **origin:** China, Peoples Repub of. **collected:** August 25, 1980. **other id:** 26129. **locality:** Weedy clearing, Tai Zhu Ping, Mt. Omei, Sichuan. **elevation:** 2900m. **remarks:** Seed presented in 1980 by Dr. Peter Raven, Missouri Botanical Garden, St. Louis, Missouri. Increased in 1982. 2n=28. Wild. Seed.

PI 531665 to 531675-continued

- PI 531668 **donor id:** D-2782. **origin:** China, Peoples Repub of.  
**origin institute:** Grassland Institute, CAAS, Hohehot,  
Inner Mongolia. **remarks:** Seed presented in 1980 by Mr.  
Ning Bu. Increased in 1983. 2n=28. Wild. Seed.
- PI 531669 **donor id:** D-3388. **origin:** China, Peoples Repub of.  
**origin institute:** Northwest Institute of Biology, Xining,  
Qinghai. **collected:** September 22, 1983. **locality:** Near  
Xining, Qinghai. **elevation:** 2400m. **remarks:** Seed  
presented in 1983 by Dr. Gou Ben-Zhao. Increased in 1985.  
2n=28. Wild. Seed.
- PI 531670 **donor id:** D-3389. **origin:** China, Peoples Repub of.  
**origin institute:** Gansu Grassland Ecological Institute,  
Lanzhou, Gansu. **collected:** September 23, 1983.  
**locality:** Jin Qiang He, Tian Zhu County, Gansu.  
**elevation:** 2960m. **remarks:** Seed presented in 1983 by Dr.  
Ren Jiz-Hou. Increased in 1985. 2n=28. Wild. Seed.
- PI 531671 **donor id:** D-3390. **origin:** China, Peoples Repub of.  
**origin institute:** Institute of Animal Science, Lanzhou,  
Gansu. **collected:** September 1983. **locality:** Bin Cao,  
Huangcheng Ranch, Gansu. **elevation:** 2600m. **remarks:**  
Seed presented in 1983 by Dr. Wu Ren-Run. Increased in  
1985. 2n=28. Cultivated for 20 years. Cultivated. Seed.
- PI 531672 **donor id:** D-3391. **origin:** China, Peoples Repub of.  
**origin institute:** Gansu Grassland Ecological Institute,  
Lanzhou, Gansu. **collected:** September 23, 1983.  
**locality:** Jin Qiang He, Tian Zhu County, Gansu.  
**elevation:** 2960m. **remarks:** Seed presented in 1983 by Dr.  
Ren Jiz-Hou. Increased in 1985. 2n=28. Wild. Seed.
- PI 531673 **donor id:** D-3472. **origin:** China, Peoples Repub of.  
**origin institute:** Institute of Animal Science, CAAS,  
Beijing. **remarks:** Seed presented in 1985 by Mr. Zhang  
Yu-Fa. Increased in 1987. 2n=28. Wild. Seed.
- PI 531674 **donor id:** D-3474. **origin:** China, Peoples Repub of.  
**origin institute:** Institute of Animal Science, CAAS,  
Beijing. **remarks:** Seed presented in 1985 by Mr. Zhang  
Yu-Fa. Increased in 1987. 2n=28. Wild. Seed.
- PI 531675 **donor id:** D-3551. **origin:** China, Peoples Repub of.  
**origin institute:** Grassland Institute, CAAS, Hohehot,  
Inner Mongolia. **remarks:** Seed presented in 1985.  
Increased in 1987. 2n=28. Wild. Seed.

PI 531676. *Elymus sierrus* Gould POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**origin:** United States. **origin institute:** University of California, Davis, California. **locality:** Crystal Range, SW of Lake Tahoe, W of Island Lake. **elevation:** 2469m.  
**remarks:** Seed presented in 1969 by Dr. G.L. Stebbins. Increased in 1987. 2n=28. Wild. Seed.

PI 531677. *Elymus stenostachyus* (Meld.) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** D-3533. **origin:** Pakistan. **other id:** H-4102.  
**locality:** Kaghan, Hazara. **remarks:** Seed presented in 1985 by Dr. Roland von Bothmer, Swedish Agricultural Univ., Svalov, Sweden. Increased in 1987. 2n=28. Wild. Seed.

PI 531678 to 531683. *Elymus strictus* (Keng) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531678 **donor id:** DT-3037. **origin:** China, Peoples Repub of.  
**collected:** August 03, 1983. **collector:** D.R. Dewey.  
**collector id:** DT-3037. **locality:** Suburbs of Xining, Qinghai. **remarks:** Increased in 1985. 2n=28. Wild. Seed.

PI 531679 **donor id:** D-3399. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural College, Ya-an, Sichuan. **locality:** Ma-er-kang, Sichuan. **remarks:** Seed presented in 1983 by Dr. Yen Chi. Increased in 1985. 2n=28. Wild. Seed.

PI 531680 **donor id:** D-3412. **origin:** China, Peoples Repub of.  
**origin institute:** Northwest Institute of Biology, Xining, Qinghai. **collected:** September 07, 1983. **locality:** Huangyuan County, Qinghai. **remarks:** Seed presented in 1983 by Dr. Gou Ben-Zhao. Increased in 1987. 2n=28. Wild. Seed.

PI 531678 to 531683-continued

- PI 531681 **donor id:** D-3413. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural College, Ya-an,  
Sichuan. **locality:** Chang-du, Tibet. **remarks:** Seed  
presented in 1983 by Dr. Yen Chi. Increased in 1987.  
2n=28. Wild. Seed.
- PI 531682 **donor id:** D-3414. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural College, Ya-an,  
Sichuan. **locality:** Chang-du, Tibet. **remarks:** Seed  
presented in 1983 by Dr. Yen Chi. Increased in 1987.  
2n=28. Wild. Seed.
- PI 531683 **donor id:** D-3415. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural College, Ya-an,  
Sichuan. **locality:** Ma-er-kang, Sichuan. **remarks:** Seed  
presented in 1983 by Dr. Yen Chi. Increased in 1987.  
2n=28. Wild. Seed.

PI 531684. *Elymus submuticus* (Keng) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** D-2585. **origin:** China, Peoples Repub of.  
**collected:** August 05, 1980. **collector:** D.R. Dewey.  
**collector id:** D-2585. **locality:** Alpine meadow, Qilian  
Shan mountains about 500km NW of Lanzhou. Established in  
sod transplant garden, grounds of Univ. of Lanzhou,  
Gansu. **elevation:** 4300m. **remarks:** Increased in 1982.  
2n=28. Wild. Seed.

PI 531685. *Elymus tenuis* (J. Buch.) A. Love & Connor POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** D-2970. **origin:** New Zealand. **origin  
institute:** Botany Division, DSIR, Christchurch.  
**locality:** Lake Coleridge. **remarks:** Seed presented in  
1982 by Dr. Henry Connor. Increased in 1987. Wild.  
Seed.

PI 531686. *Elymus thoroldianus* (Oliver) G. Singh POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531686-continued

**donor id:** D-2795. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural College, Ya-an,  
Sichuan. **origin institute id:** NWC-17-8-81-15. **locality:**  
"Northwestern" provinces. **remarks:** Seed presented in  
1981 by Dr. Yen Chi. Increased in 1987. 2n=42. Wild.  
Seed.

PI 531687. *Elymus tilcarensis* (J. H. Hunz.) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**origin:** Argentina. **origin institute:** University of  
Buenos Aires. **other id:** 658. **locality:** Collected  
originally at Tilcara. Grown at Castelar. **remarks:** Seed  
presented in 1969 by Dr. J.H. Hunziker. Increased in  
1987. 2n=28. Wild. Seed.

PI 531688 to 531692. *Elymus trachycaulus* (Link) Gould ex Shinn.  
POACEAE Slender wheatgrass

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531688 **donor id:** D-1877. **origin:** Soviet Union. **collected:**  
August 14, 1977. **collector:** D.R. Dewey. **collector id:**  
D-1877. **locality:** Steep ungrazed hillside near Medeo ice  
skating arena, 15km S of Alma Ata, Kazakhstan.  
**elevation:** 1680m. **remarks:** Increased in 1987. 2n=28.  
Wild. Seed.

PI 531689 **donor id:** D-3207. **origin:** UNKNOWN. **remarks:** Seed  
presented in 1983 by Dr. Romuald Kosina, Univ. of  
Wroclaw, Poland. Increased in 1985. Wild. Seed.

PI 531690 **donor id:** D-3248. **origin:** UNKNOWN. **remarks:** Seed  
presented in 1983 by Dr. Romuald Kosina, Univ. of  
Wroclaw, Poland. Increased in 1985. Wild. Seed.

PI 531691 **donor id:** D-3283. **origin:** United States. **collected:**  
August 09, 1983. **collector:** R.J. Atkins. **locality:** N.  
Clear Creek, Hwy 119, 3.2km from junction with Hwy 6,  
Gilpin County. **elevation:** 2377m. **remarks:** Increased in  
1987. 2n=28. Wild. Seed.



PI 531688 to 531692-continued

PI 531692 **donor id:** D-3473. **origin:** China, Peoples Repub of.  
**origin institute:** Institute of Animal Science, CAAS,  
Beijing. **locality:** Qinghai Province. **remarks:** Seed  
presented in 1985 by Mr. Zhang Yu-Fa. Increased in 1987.  
Wild. Seed.

PI 531693. *Elymus transbaicalensis* (Nevski) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**origin:** Soviet Union. **origin institute:** Institute of  
Zoology and Botany, Tartu, Estonian S.S.R.. **locality:**  
Altai Botanical Garden. **remarks:** Seed presented in 1977  
by Dr. Vello Jaaska. Increased in 1985. 2n=28.  
Cultivated. Seed.

PI 531694 to 531695. *Elymus tschimganicus* (Drobov) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531694 **origin:** Soviet Union. **origin institute:** Institute of  
Zoology and Botany, Tartu, Estonian S.S.R.. **origin  
institute id:** 15-73. **collected:** September 03, 1973.  
**locality:** River bank, Issyk-Ata gorge in Khirgiz-Alatau  
mountains, 70km SE of Frunze, Khirgizia. **remarks:** Seed  
presented in 1973 by Dr. Vello Jaaska. Increased in 1986.  
2n=42. Wild. Seed.

PI 531695 **origin:** Soviet Union. **origin institute:** Institute of  
Zoology and Botany, Tartu, Estonian. **origin institute  
id:** 38-73. **collected:** 1973. **locality:** Near Barmaun, S  
of Lake Issyk-Kul, Khirgizia, S.S.R. **remarks:** Seed  
presented in 1977 by Dr. Vello Jaaska. Increased in 1985.  
2n=42. Wild. Seed.

PI 531696 to 531702. *Elymus tsukushiensis* Honda POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory,  
USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

PI 531696 **donor id:** D-2501. **origin:** Japan. **collected:** July 24,  
1980. **collector:** D.R. Dewey. **collector id:** D-2501.  
**locality:** Near Narita International Hotel, Narita.  
**remarks:** Increased in 1982. 2n=42. Wild. Seed.

PI 531696 to 531702-continued

PI 531697 donor id: D-2709. origin: Japan. collected: August 24, 1980. collector: D.R. Dewey. collector id: D-2709. locality: Imperial Palace grounds, Tokyo. remarks: Increased in 1987. 2n=42. Wild. Seed.

PI 531698 donor id: D-2712. origin: Japan. collected: August 28, 1980. collector: D.R. Dewey. collector id: D-2712. locality: Tokaraskya village near Osaka. remarks: Increased in 1982. 2n=42. Wild. Seed.

PI 531699 donor id: D-2924. origin: UNKNOWN. other id: E-70. remarks: Seed presented in 1982 by J. Mitchell, Univ. of Manitoba, Winnipeg, Manitoba, Canada. Increased in 1987. 2n=42. Wild. Seed.

PI 531700 donor id: D-3455. origin: China, Peoples Repub of. origin institute: Sichuan Agricultural College, Ya-an, Sichuan. locality: Hua-Shan, Shanxi. remarks: Seed presented in 1985 by Dr. Yen Chi. Increased in 1987. 2n=42. Wild. Seed.

PI 531701 donor id: D-3456. origin: China, Peoples Repub of. origin institute: Sichuan Agricultural College, Ya-an, Sichuan. origin institute id: Y83017. locality: Ya-an, Sichuan. remarks: Seed presented in 1985 by Dr. Yen Chi. Increased in 1987. 2n=42. Wild. Seed.

PI 531702 origin: Japan. origin institute: Kyoto University, Kyoto. other id: 64187. locality: Misima. remarks: Seed presented in 1965 by Dr. Sadao Sakamoto. Increased in 1984. 2n=28. Wild. Seed.

PI 531703. *Elymus villosus* Muhl. POACEAE Hairy wildrye

Donated by: Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

donor id: D-3480. origin: United States. collected: August 30, 1984. collector: C. Crane. locality: Near Columbia. remarks: Seed presented in 1965 by Dr. Charles Crane, Utah State Univ., Logan, Utah. Increased in 1987. 2n=28. Wild. Seed.

PI 531704 to 531707. *Elymus virginicus* L. POACEAE Virginia wildrye

Donated by: Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531704 to 531707-continued

- PI 531704 **donor id:** D-3212. **origin:** Soviet Union. **locality:** Donetsk. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, Univ. of Wroclaw, Poland. Increased in 1987. 2n=28. Wild. Seed.
- PI 531705 **donor id:** D-3234. **origin:** UNKNOWN. **locality:** Botanical garden, Stavropol, Soviet Union. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, Univ. of Wroclaw, Poland. Increased in 1987. 2n=28. Cultivated. Seed.
- PI 531706 **donor id:** D-3481. **origin:** United States. **collected:** August 30, 1984. **collector:** C. Crane. **locality:** Hinkson Creek Road, NE of Columbia. **remarks:** Seed presented in 1985 by Dr. C. Crane, Utah State Univ., Logan, Utah. Increased in 1987. 2n=28. Wild. Seed.
- PI 531707 **donor id:** D-3482. **origin:** United States. **collector:** C. Crane. **locality:** Near Columbia. **remarks:** Seed presented in 1985 by Dr. C. Crane, Utah State Univ., Logan, Utah. Increased in 1987. 2n=28. Wild. Seed.

PI 531708. *Elymus wiegandii* Fern. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**donor id:** D-2834. **origin:** Canada. **origin institute:** Plant Gene Resources of Canada, Ottawa. **origin institute id:** PGR-2425. **locality:** Aylwin, Quebec. **remarks:** Seed presented in 1982 by Dr. R. Loiselle. Increased in 1984. 2n=28. Wild. Seed.

PI 531709. *Elytrigia alata* (Drobov) Nevski POACEAE

**Donated by:** Dewey, D.R., Forage and Range Research Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States.  
Received October 07, 1988.

**origin:** Soviet Union. **origin institute:** Institute of Zoology & Botany, Tartu, Estonian S.S.R.. **origin institute id:** 54-73. **collected:** September 08, 1973. **locality:** Dzeto-Oghuz river gorge, Terskei-Alatau mountains, SW of Prshevalsk, Khirgizia. **remarks:** Seed presented in 1973 by Dr. Vello Jaaska. Increased in 1984. 2n=42. **received as:** *Elymus alatavicus*. Wild. Seed.

PI 531710 to 531712. *Elytrigia bessarabica* (Savul. & Rayss) Dubovik  
POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531710 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** August 1972. **other id:** J-11. **locality:** Seashore sand dunes between Saki and Yevpatoria, Crimea. **remarks:** Seed presented in 1972 by Dr. Vello Jaaska. Increased in 1987. 2n=14. Wild. Seed.

PI 531711 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Crimea. **remarks:** Seed presented in 1977 by Dr. Vello Jaaska. Increased in 1987. 2n=14. Wild. Seed.

PI 531712 **donor id:** D-3483. **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** September 07, 1984. **other id:** AL-63/84. **locality:** Seashore sand dunes between Saki and Yevpatoria, Crimea. **remarks:** Seed presented in 1985 by Dr. Vello Jaaska. Increased in 1987. 2n=14. Wild. Seed.

PI 531713 to 531716. *Elytrigia caespitosa* (K. Koch) Nevski POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531713 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** August 16, 1972. **other id:** J-19. **locality:** SE of Yerevan, Armenian S.S.R. **remarks:** Plant tufts not dense. Seed presented in 1972 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531714 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** August 16, 1972. **locality:** Near village of Sorbulag, SE of Yerevan, Armenian S.S.R. **remarks:** Population I. Plants tufted with narrow leaf blades. Seed presented in 1972 by Dr. Vello Jaaska. Increased in 1985. 2n=28. Wild. Seed.

PI 531713 to 531716-continued

PI 531715 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** August 16, 1972. **locality:** Near village of Sorbulag, SE of Yerevan, Armenian S.S.R. **remarks:** Population II. Plants tufted. Seed presented in 1972 by Dr. Vello Jaaska. Increased in 1985. 2n=28. Wild. Seed.

PI 531716 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** August 16, 1972. **locality:** Near village of Sorbulag, SE of Yerevan, Armenian S.S.R. **remarks:** Population III. Seed presented in 1972 by Dr. Vello Jaaska. Increased in 1985. 2n=28. Wild. Seed.

PI 531717 to 531719. *Elytrigia elongata* (Host) Nevski POACEAE Tall wheatgrass

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531717 **donor id:** D-3457. **origin:** France. **origin institute:** INRA, Station d'Amelioration des Plantes, Versailles. **other id:** 300. **locality:** St. Angulf, Var. **remarks:** Seed presented in 1985 by Dr. Yvonne Cauderon. Increased in 1987. 2n=14. Wild. Seed.

PI 531718 **donor id:** D-3458. **origin:** Tunisia. **other id:** 1440. **source:** P. Gustafson. **remarks:** Seed presented in 1985 by Dr. Yvonne Cauderon. Increased in 1987. 2n=14. Wild. Seed.

PI 531719 **origin:** France. **origin institute:** INRA, Station d'Amelioration des Plantes, Versailles. **other id:** 300. **locality:** St. Angulf. **remarks:** Seed presented in 1970 by Dr. Yvonne Cauderon. Increased in 1987. 2n=14. Wild. Seed.

PI 531720. *Elytrigia geniculata* subsp. *ferganensis* (Drobov) Tzvelev  
POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531720-continued

**origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** September 14, 1973. **other id:** 65-73. **locality:** Hillside, 30km SE of Osch, Khirgizia S.S.R. **remarks:** Seed presented in 1973 by Dr. Vello Jaaska. Increased in 1984. 2n=14. Wild. Seed.

PI 531721 to 531726. *Elytrigia intermedia* (Host) Nevski POACEAE  
Intermediate wheatgrass

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531721 **donor id:** D-2773. **origin:** China, Peoples Repub of. **origin institute:** Gansu Grassland Ecological Institute, Lanzhou, Gansu. **remarks:** Seed presented in 1981 by Dr. Ren Jiz-Hou. Increased in 1983. 2n=42. Wild. Seed.

PI 531722 **donor id:** D-2955. **origin:** Canada. **origin institute:** University of Manitoba, Winnipeg. **origin institute id:** 6E-1. **other id:** 6E-1. **remarks:** Some plants with awns to 1 cm. Seed presented in 1982 by J. Mitchell. Increased in 1984. 2n=42. Wild. Seed.

PI 531723 **donor id:** D-2956. **origin:** Canada. **origin institute:** University of Manitoba, Winnipeg. **origin institute id:** 6E-5. **remarks:** Some plants with awns to 1 cm. Seed presented in 1982 by J. Mitchell. Increased in 1984. 2n=42. Wild. Seed.

PI 531724 **donor id:** D-3209. **origin:** Soviet Union. **locality:** Botanical garden, Moscow. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, University of Wroclaw, Poland. Increased in 1986. 2n=42. Cultivated. Seed.

PI 531725 **donor id:** D-3215. **origin:** German Democratic Repub. **locality:** Botanical garden, Berlin-Dahlem. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, University of Wroclaw, Poland. Increased in 1986. 2n=42. Cultivated. Seed.

PI 531726 **origin:** Australia. **other id:** 690. **remarks:** Seed presented in 1970 by Dr. Yvonne Cauderon, INRA, Versailles, France. Increased in 1982. 2n=42. Wild. Seed.

PI 531727 to 531729. *Elytrigia juncea* (L.) Nevski POACEAE Wheatgrass

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531727 **origin:** France. **origin institute:** INRA, Sta. d'Amelioration des Plantes, Versailles. **other id:** 471. **locality:** Palavas. **remarks:** Seed presented in 1970 by Dr. Yvonne Cauderon. Increased in 1987. 2n=42. Wild. Seed.

PI 531728 **donor id:** D-3431. **origin:** Spain. **origin institute:** Universidad Complutense de Madrid, Madrid. **locality:** Oliva, Valencia. **remarks:** Seed presented in 1983 by Dr. Juan Orellano. Increased in 1987. 2n=42. Wild. Seed.

PI 531729 **donor id:** D-3432. **origin:** Greece. **origin institute:** University of Thessaloniki. **locality:** Northern Greece. **remarks:** Seed presented in 1983 by Dr. Michael Moustakas. Increased in 1987. 2n=42. Wild. Seed.

PI 531730 to 531732. *Elytrigia junceiformis* A. Love & D. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531730 **donor id:** D-3462. **origin:** France. **origin institute:** INRA, Sta. d'Amelioration des Plantes, Versailles. **other id:** 2031. **locality:** Ile d'Oleron (Boyarville) on the Atlantic coast. **remarks:** Seed presented in 1985 by Dr. Yvonne Cauderon. Increased in 1987. 2n=28. Wild. Seed.

PI 531731 **donor id:** D-3463. **origin:** France. **origin institute:** INRA, Sta. d'Amelioration des Plantes, Versailles. **other id:** 2032. **locality:** Ile d'Oleron (Boyarville) on the Atlantic coast. **remarks:** Seed presented in 1985 by Dr. Yvonne Cauderon. Increased in 1987. 2n=28. Wild. Seed.

PI 531732 **donor id:** D-3464. **origin:** France. **origin institute:** INRA, Sta. d'Amelioration des Plantes, Versailles. **other id:** 2033. **locality:** Brittany (Le Pouldu) on the Atlantic coast. **remarks:** Seed presented in 1985 by Dr. Yvonne Cauderon. Increased in 1987. 2n=28. Wild. Seed.

PI 531733 to 531736. *Elytrigia nodosa* (Nevski) Nevski POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531733 to 531736-continued

- PI 531733 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** August 1972. **other id:** J-5. **locality:** 25km W of Feodosia, Mt. Kara Dag region, Crimea. **remarks:** Plants densely tufted. Seed presented in 1972 by Vello Jaaska. Increased in 1985. 2n=28. Wild. Seed.
- PI 531734 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** August 1972. **other id:** J-6. **locality:** 25km W of Feodosia, Mt. Kara Dag region, Crimea. **remarks:** Plants loosely tufted. Seed presented in 1972 by Dr. Vello Jaaska. Increased in 1985. 2n=28. Wild. Seed.
- PI 531735 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** August 1972. **other id:** J-16. **locality:** Alusta, Crimea. **remarks:** Seed presented in 1972 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.
- PI 531736 **donor id:** D-3486. **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** September 11, 1984. **other id:** AL-78/84. **locality:** Near Hotel Yalta, Yalta, Crimea. **remarks:** Seed presented in 1972 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531737 to 531739. *Elytrigia pontica* (Podp.) Holub POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

- PI 531737 **donor id:** D-3454. **origin:** Argentina. **origin institute:** INTA, Anguil. **cultivar:** VIZCACHERO. **remarks:** Seed presented in 1985 by Dr. D.M.Sanchez. Increased in 1987. 2n=70. Cultivar. Seed.
- PI 531738 **donor id:** D-3484. **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** September 06, 1984. **other id:** AL-64/84. **locality:** Seashore sand dunes, 30km N of Yevpatoria. **remarks:** Seed presented in 1985 by Dr. Vello Jaaska. Increased in 1987. Wild. Seed.
- PI 531739 **donor id:** D-3485. **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** September 06, 1984. **other id:** AL-65/85. **locality:** Seashore, Yevpatoria, Crimea. **remarks:** Seed presented in 1985 by Dr. Vello Jaaska. Increased in 1987. Wild. Seed.



PI 531740. *Elytrigia pungens* (Pers.) Tutin POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** France. **origin institute:** INRA, Sta. de'Amelioration des Plantes, Versailles. **other id:** 485. **locality:** Montpellier. **remarks:** Seed presented in 1970 by Dr. Yvonne Cauderon. Increased in 1987. 2n=56. Wild. Seed.

PI 531741 to 531744. *Elytrigia pycnantha* (Godr.) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531741 **origin:** France. **origin institute:** INRA, Sta. de'Amelioration des Plantes, Versailles. **other id:** 679. **locality:** "Riec s/s Belon". **remarks:** Seed presented in 1970 by Dr. Yvonne Cauderon. Increased in 1987. 2n=42. Wild. Seed.

PI 531742 **donor id:** D-3563. **origin:** Netherlands. **collected:** September 1985. **collector:** M. Leten. **locality:** Schouwen-Beveland, Kondekerkse Inlag, Zeeland Province. **remarks:** Seed presented in 1986 by Dr. Paul Goetghebeur, Univ. of Gent, Belgium. Increased in 1987. Wild. Seed.

PI 531743 **donor id:** D-3564. **origin:** Netherlands. **collected:** September 1985. **collector:** M. Leten. **locality:** Schouwen-Beveland, Kondekerkse Inlag, Zeeland Province. **remarks:** Seed presented in 1986 by Dr. Paul Goetghebeur, Univ. of Gent, Belgium. Increased in 1987. Wild. Seed.

PI 531744 **donor id:** D-3565. **origin:** Netherlands. **collected:** September 1985. **collector:** M. Leten. **locality:** Schouwen-Beveland, Kondekerkse Inlag, Zeeland Province. **remarks:** Seed presented in 1986 by Dr. Paul Goetghebeur, Univ. of Gent, Belgium. Increased in 1987. Wild. Seed.

PI 531745. *Elytrigia rechingeri* (Runem.) Holub POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** Greece. **locality:** Aegean area. **remarks:** Seed presented in 1970 by Dr. W.K. Heneen, Swedish Univ. of Agricultural Sciences, Svalov, Sweden. Increased in 1987. 2n=28. Wild. Seed.

PI 531746 to 531748. *Elytrigia repens* (L.) Nevski POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531746 **donor id:** DT-3175. **origin:** China, Peoples Repub of. **collected:** August 10, 1983. **collector:** D.R. Dewey. **collector id:** DT-3175. **locality:** Gang Gou Grassland Station, 60km SW of Urumqi, Xinjiang. **elevation:** 1850m. **remarks:** Increased in 1986. Cultivated. Seed.

PI 531747 **donor id:** D-3244. **origin:** Poland. **origin institute:** Univ. of Wroclaw. **locality:** Wroclaw. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina. Increased in 1986. Wild. Seed.

PI 531748 **donor id:** D-3245. **origin:** Poland. **origin institute:** Univ. of Wroclaw. **locality:** Wroclaw. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina. Increased in 1986. Wild. Seed.

PI 531749 to 531750. *Elytrigia scirpea* (C. Presl) Holub POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531749 **origin:** Italy. **other id:** 720. **remarks:** Seed presented in 1980 by Dr. Yvonne Cauderon, INRA, Versailles, France. Increased in 1987. 2n=28. Wild. Seed.

PI 531750 **origin:** Greece. **locality:** Aegean area. **remarks:** Seed presented in 1970 by Dr. Waheeb Heneen, Swedish Agricultural Univ., Svalov, Sweden. Increased in 1987. 2n=28. Wild. Seed.

PI 531751. *Elytrigia stipifolia* (Czernj. ex Nevski) Nevski POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** Soviet Union. **other id:** MSU-122. **locality:** Chernovtsy Oblast, Ukrainian S.S.R. **remarks:** Seed presented in 1963 by Dr. J.R. Schaeffer, Montana State Univ., Bozeman, Montana. Increased in 1987. 2n=28. Wild. Seed.

PI 531752 to 531753. *Elytrigia strigosa* (M. Bieb.) Nevski POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531752 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **other id:** J-14. **locality:** Hill, Ai-Petri, Crimea. **elevation:** 1200m. **remarks:** Plants both awned and awnless. Seed presented in 1972 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531753 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **other id:** J-15. **locality:** Hill, Ai-Petri, Crimea. **elevation:** 1200m. **remarks:** Both awned and awnless. Seed presented in 1972 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531754 to 531755. *Elytrigia strigosa* subsp. *aegilopoides* (Drobov) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531754 **donor id:** DT-3086. **origin:** China, Peoples Repub of. **collected:** August 08, 1983. **collector:** D.R. Dewey. **collector id:** DT-3086. **locality:** Mountains towards Tian Lake, approx. 95km ENE of Urumqi, Xinjiang. **elevation:** 1600m. **remarks:** Increased in 1987. 2n=14. Wild. Seed.

PI 531755 **donor id:** DT-3126. **origin:** China, Peoples Repub of. **collected:** August 09, 1983. **collector:** D.R. Dewey. **collector id:** DT-3126. **locality:** Side canyon on road to Tian Lake, approx. 90km ENE of Urumqi, Xinjiang. **elevation:** 1750m. **remarks:** Spikes non-pigmented, awned. Increased in 1987. 2n=14. Wild. Seed.

PI 531756. *Elytrigia* sp. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** Soviet Union. **origin institute:** Stavropol Botanical Garden, Stavropol. **remarks:** Seed presented in 1977. Increased in 1987. 2n=28 Received as a hybrid between *Agropyron pectiniforme* and *E. maeotica*. Cultivated. Seed.

PI 531757 to 531759. *Hordelymus europaeus* (L.) C. Harz POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531757 **donor id:** D-2814. **origin:** Austria. **locality:** Wooded site, Niederosterreich, Weiner Wald, Anninger on the way from Richardshof to Anninger Refuge. **elevation:** 450m. **remarks:** Seed presented by Dr. H. Huss. Increased in 1987. 2n=28. Wild. Seed.

PI 531758 **donor id:** D-2835. **origin:** Germany, Federal Rep of. **other id:** PGR-4409. **locality:** Botanical Garden, Univ. of Dusseldorf. **remarks:** Seed presented in 1982 by Dr. R. Loiselle, Plant Gene Resources of Canada, Ottawa, Ontario, Canada. Increased in 1987. 2n=28. Cultivated. Seed.

PI 531759 **donor id:** D-3205. **origin:** Poland. **origin institute:** University of Wroclaw. **locality:** Sudety Mountains. **remarks:** Seed presented in 1983 by Dr. R. Kosina. Increased in 1987. 2n=28. Wild. Seed.

PI 531760 to 531762. *Hordeum bogdanii* Wilensky POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531760 **donor id:** D-2797. **origin:** China, Peoples Repub of. **origin institute:** Sichuan Agricultural College, Ya-an, Sichuan. **other id:** NWC-19-8-81-2. **locality:** "Northwest" provinces. **remarks:** Seed presented in 1981 by Dr. Yen Chi. Increased in 1985. 2n=14. Wild. Seed.

PI 531761 **donor id:** D-3235. **origin:** China, Peoples Repub of. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, Univ. of Wroclaw, Poland. Increased in 1985. 2n=14. Wild. Seed.

PI 531762 **donor id:** B-9. **origin:** Soviet Union. **origin institute:** Main Botanical Garden, Moscow. **collected:** August 26, 1972. **locality:** Near Ishkashim, Tadzikistan S.S.R. **remarks:** Seed presented in 1972 by Dr. F. Kh. Bakhteyev. Increased in 1984. 2n=14. Cultivated. Seed.

PI 531763 to 531767. *Hordeum brachyantherum* Nevski POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531763 to 531767-continued

- PI 531763 **donor id:** D-1251. **origin:** United States. **collected:** July 1973. **collector:** D.R. Dewey. **collector id:** D-1251. **locality:** Northeast corner of Yellowstone Lake. **remarks:** Increased in 1982. 2n=28. Wild. Seed.
- PI 531764 **donor id:** D-2850. **origin:** United States. **collected:** July 1982. **collector:** D.R. Dewey. **collector id:** D-2850. **locality:** Curlew National Grasslands near Stone. **remarks:** Increased in 1984. 2n=28. Wild. Seed.
- PI 531765 **donor id:** D-2851. **origin:** United States. **collected:** July 15, 1982. **collector:** D.R. Dewey. **collector id:** D-2851. **locality:** South entrance to Washoe Valley. **remarks:** Increased in 1984. 2n=28. Wild. Seed.
- PI 531766 **donor id:** D-2852. **origin:** United States. **collected:** July 15, 1982. **collector:** D.R. Dewey. **collector id:** D-2852. **locality:** Southwest of airport, Truckee. **remarks:** Increased in 1986. 2n=28. Wild. Seed.
- PI 531767 **donor id:** D-3573. **origin:** United States. **other id:** H-2001. **locality:** SE Moro Bay, San Luis Obispo County. **remarks:** Seed presented in 1986 by Dr. Roland von Bothmer, Swedish Univ. of Agricultural Sciences, Svalov, Sweden. Increased in 1987. 2n=42. Wild. Seed.

PI 531768 to 531771. *Hordeum brevisubulatum* (Trin.) Link POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

- PI 531768 **origin:** Soviet Union. **origin institute:** Dushanbe Botanical Garden, Tadzikistan S.S.R.. **locality:** Stalinabad region of Tadzikistan S.S.R. **remarks:** Increased in 1985. 2n=28. Wild. Seed.
- PI 531769 **origin:** Soviet Union. **origin institute:** Tashkent Botanical Garden, Tashkent, Uzbekistan S.S.R.. **other id:** 34. **locality:** Vicinity of Tashkent. **remarks:** Increased in 1984. 2n=28. Wild. Seed.
- PI 531770 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Near Tshermab, Kopet Dag mountains, Turkmenian S.S.R. **remarks:** Seed presented in 1974 by Dr. Vello Jaaska. Increased in 1985. 2n=28. Wild. Seed.

PI 531768 to 531771-continued

PI 531771 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** 30km SW of Naryn, Khirgizia S.S.R. **remarks:** Seed presented in 1974 by Dr. Vello Jaaska. Increased in 1984. 2n=28. Wild. Seed.

PI 531772. *Hordeum brevisubulatum* subsp. *nevs kianum* (Bowden) Tzvelev  
POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-3236. **origin:** German Democratic Repub. **locality:** Botanical garden, Gatersleben. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, Univ. of Wroclaw, Poland. Increased in 1987. 2n=14. Cultivated. Seed.

PI 531773. *Hordeum brevisubulatum* subsp. *turkestanicum* (Nevski) Tzvelev  
POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** B-10. **origin:** Soviet Union. **origin institute:** Main Botanical Garden, Moscow. **collected:** September 26, 1972. **locality:** Parutek Gorge, Pamir Mountains, Tadzikistan S.S.R. **remarks:** Seed presented in 1972 by Dr. F. Kh. Bakhyeyev. Increased in 1984. 2n=28. Wild. Seed.

PI 531774 to 531775. *Hordeum brevisubulatum* subsp. *violaceum* (Boiss. & Hohen. ex Boiss.) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531774 **donor id:** D-1760. **origin:** Soviet Union. **collected:** August 08, 1977. **collector:** D.R. Dewey. **collector id:** D-1760. **locality:** Very dry saline site adjacent to a low wet area, Seiphulin Collective Farm, 20km N of Tselinograd, Kazakhstan S.S.R. **remarks:** Increased in 1984. Wild. Seed.

PI 531774 to 531775-continued

PI 531775 **donor id:** D-2560. **origin:** China, Peoples Repub of.  
**origin institute:** Grassland Research Institute, Xilinhot.  
**locality:** Inner Mongolia. **remarks:** Increased in 1984.  
Wild. Seed.

PI 531776 to 531777. *Hordeum bulbosum* L. POACEAE Bulbous barley

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531776 **donor id:** D-2725. **origin:** Hungary. **remarks:** Seed presented in 1980 by Dr. Shao Qi-Quan, Institute of Genetics, Beijing, CAS, China. Increased in 1984. 2n=28. Wild. Seed.

PI 531777 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Aktau Mountains, southern Tadzikistan S.S.R. **remarks:** Seed presented in 1970 by Dr. Vello Jaaska. Increased in 1984. 2n=28. Wild. Seed.

PI 531778 to 531779. *Hordeum californicum* Covas & Stebb. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531778 **origin:** United States. **origin institute:** University of California, Davis, California. **locality:** Dry meadow, W of Hunting Creek, between Knoxville and Lower Lake in Lake County. **elevation:** 630m. **remarks:** Seed presented in 1971 by Dr. G.L. Stebbins Jr. Increased in 1987. 2n=14. Wild. Seed.

PI 531779 **origin:** United States. **origin institute:** Soil Conservation Service, California. **other id:** PL-103-70. **locality:** Entrance to Calaveras Reservoir, Calaveras County. **remarks:** Seed presented in 1971. Increased in 1987. 2n=14. Wild. Seed.

PI 531780. *Hordeum capense* Thunb. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531780-continued

**donor id:** D-2738. **origin:** South Africa. **collector:** J.R. Anderson. **other id:** H-344. **locality:** Oviston, Venersted District. **remarks:** Seed presented in 1980 by Dr. Roland von Bothmer, Swedish Univ. of Agricultural Sciences, Svalov, Sweden. Increased in 1984. 2n=28. Wild. Seed.

PI 531781. *Hordeum chilense* Roemer & Schultes POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-2739. **origin:** Argentina. **collected:** February 21, 1979. **other id:** H-1731. **locality:** Shore of Lago Hess, Bariloche Dept. **remarks:** Seed presented in 1980 by Dr. Roland von Bothmer, Swedish Univ. of Agricultural Sciences, Svalov, Sweden. Increased in 1987. 2n=14. Wild. Seed.

PI 531782. *Hordeum jubatum* L. POACEAE Foxtail barley

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-2728. **origin:** Mexico. **collected:** November 18, 1980. **collector:** C. T. Hsiao. **locality:** Near the Agricultural University experimental farm, Chapingo. **elevation:** 2255m. **remarks:** Increased in 1987. 2n=28. Wild. Seed.

PI 531783 to 531784. *Hordeum lechleri* (Steudel) Schenck POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531783 **donor id:** D-2751. **origin:** Argentina. **collected:** January 04, 1979. **collector:** N. Jacobsen. **other id:** H-1185. **locality:** NE of S.C. de Bariloche. **remarks:** Seed presented in 1980 by Dr. Roland von Bothmer, Swedish Univ. of Agricultural Sciences, Svalov, Sweden. Increased in 1984. 2n=42. Wild. Seed.



PI 531783 to 531784-continued

PI 531784 **donor id:** D-2752. **origin:** Argentina. **collected:** January 07, 1979. **collector:** N. Jacobsen. **other id:** H-1245. **locality:** Route 90, Rio Cherque. **remarks:** Seed presented in 1980 by Dr. Roland von Bothmer, Swedish Univ. of Agricultural Sciences, Svalov, Sweden. Increased in 1984. 2n=42. Wild. Seed.

PI 531785. *Hordeum muticum* C. Presl POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** Bolivia. **other id:** 495. **remarks:** Seed presented in 1969 by Dr. J.H. Hunziker, Univ. of Buenos Aires, Argentina. Increased in 1987. 2n=14. Wild. Seed.

PI 531786. *Hordeum parodii* Covas POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** Argentina. **origin institute:** University of Buenos Aires. **other id:** Castelar-668. **locality:** Buenos Aires Province. **remarks:** Seed presented in 1969 by Dr. J.H. Hunziker, Univ. of Buenos Aires, Argentina. Increased in 1985. Wild. Seed.

PI 531787. *Hordeum procerum* Nevski POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** Argentina. **origin institute:** University of Buenos Aires. **other id:** Castelar-668. **locality:** La Pampa Province. **remarks:** Seed presented in 1969 by Dr. J.H. Hunziker, Univ. of Buenos Aires, Argentina. Increased in 1984. 2n=42. Wild. Seed.

PI 531788. *Hordeum roshevitzii* Bowden POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531788-continued

**donor id:** D-2798. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural University, Ya-an,  
Sichuan. **other id:** NWC-16-8-81-9. **locality:**  
"Northwestern" provinces. **remarks:** Seed presented by Dr.  
Yen Chi. Increased in 1987. 2n=14. Wild. Seed.

PI 531789 to 531790. *Hordeum secalinum* Schreber POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah  
State University, Logan, Utah, United States. Received October 07,  
1988.

PI 531789 **origin:** France. **origin institute:** INRA, Sta.  
d'Amelioration des Plantes, Versailles. **other id:** 771.  
**locality:** Rouen. **remarks:** Seed presented in 1970 by Dr.  
Yvonne Cauderon. Increased in 1987. 2n=28. Wild. Seed.

PI 531790 **donor id:** D-2753. **origin:** Spain. **collected:** 1977.  
**collector:** N. Jacobsen. **other id:** H-296. **remarks:** Seed  
presented in 1980 by Dr. Roland von Bothmer, Swedish  
Univ. of Agricultural Sciences, Svalov, Sweden. Increased  
in 1987. 2n=28. Wild. Seed.

PI 531791 to 531793. *Hordeum stenostachys* Godron POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah  
State University, Logan, Utah, United States. Received October 07,  
1988.

PI 531791 **origin:** Argentina. **origin institute:** University of  
Buenos Aires. **other id:** Castelar-034. **locality:** Cordoba  
Province. **remarks:** Seed presented in 1969 by Dr. J.H.  
Hunziker. Increased in 1987. 2n=14. Wild. Seed.

PI 531792 **donor id:** D-3444. **origin:** Argentina. **origin institute:**  
INTA Experiment Station, Anguil. **remarks:** Seed presented  
in 1984 by Dr. D.M. Sanchez. Increased in 1987. Wild.  
Seed.

PI 531793 **donor id:** D-3490. **origin:** Uruguay. **origin institute:**  
Universidad de la Republica, Montevideo. **other id:** C-13.  
**locality:** Montevideo Botanical Garden. **remarks:** Seed  
presented in 1985 by Ing. P. Armand-Ugon. Increased in  
1987. Cultivated. Seed.

PI 531794. *Leymus akmolinsis* (Drobov) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-2830. **origin:** Germany, Federal Rep of.  
**origin institute:** Botanical Garden, University of  
Dusseldorf. **other id:** PGR-3945. **remarks:** Seed presented  
by Dr. Raymond Loiselle, Plant Gene Resources of Canada,  
Ottawa, Ontario, Canada. Increased in 1987. 2n=28.  
Cultivated. Seed.

PI 531795 to 531796. *Leymus ambiguus* (Vasey & Scribner) Dewey POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531795 **donor id:** D-3330. **origin:** United States. **collected:**  
August 08, 1983. **collector:** R.J. Atkins. **locality:**  
Mouth of North Cheyenne Canyon, 6.4km S of Manitou  
Springs, Teller County. **elevation:** 2073m. **remarks:**  
Increased in 1987. 2n=28. Wild. Seed.

PI 531796 **origin:** United States. **locality:** Chicago Creek near  
Idaho Springs, Clear Creek County. **remarks:** Clones  
presented in 1981 by Mr. R.J. Atkins, Utah State Univ.,  
Logan, Utah. Increased in 1987. 2n=28. Wild. Seed.

PI 531797 to 531798. *Leymus angustus* (Trin.) Pilg. POACEAE Altai  
wildrye

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531797 **donor id:** DT-3047. **origin:** China, Peoples Repub of.  
**collected:** August 05, 1983. **collector:** D.R. Dewey.  
**collector id:** DT-3047. **locality:** Salty drainage ditch  
outside the Yien-an Hotel compound, S suburbs of Urumqi,  
Xinjiang. **remarks:** Increased in 1986. Wild. Seed.

PI 531798 **donor id:** DT-3140. **origin:** China, Peoples Repub of.  
**collected:** August 09, 1983. **collector:** D.R. Dewey.  
**collector id:** DT-3140. **locality:** Side canyon on road to  
Tian Lake, approx. 90km ENE of Urumqi, Xinjiang.  
**elevation:** 1750m. **remarks:** Spikes narrow. Increased in  
1986. Wild. Seed.

PI 531799 to 531802. *Leymus arenarius* (L.) Hochst. POACEAE European dunegrass

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531799 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Seashore dunes on Baltic Sea island of Saaremaa near village of Niidi, Estonian S.S.R. **remarks:** Seed presented in 1974 by Dr. Vello Jaaka. Increased in 1987. 2n=56. Wild. Seed.

PI 531800 **origin:** Soviet Union. **origin institute:** Kaunas Botanical Garden, Lithuania S.S.R.. **remarks:** Seed presented in 1976. Increased in 1987. 2n=56. Cultivated. Seed.

PI 531801 **donor id:** D-2831. **origin:** Norway. **origin institute:** Botanical Garden, University of Oslo, Oslo. **other id:** PGR-4196. **remarks:** Seed presented in 1982 by Dr. Raymond Loiselle, Plant Gene Resources, Ottawa, Ontario, Canada. Increased in 1987. 2n=56. Cultivated. Seed.

PI 531802 **donor id:** D-2832. **origin:** Finland. **origin institute:** Botanical Garden, University of Helsinki, Helsinki. **remarks:** Seed presented in 1982 by Dr. Raymond Loiselle, Plant Gene Resources, Ottawa, Ontario, Canada. Increased in 1987. 2n=56. Cultivated. Seed.

PI 531803. *Leymus chinensis* (Trin.) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-2777. **origin:** China, Peoples Repub of. **origin institute:** In. Mongolian Col. of Ag. & Animal Husb., Hohehot, Inner Mongolia. **remarks:** Seed presented in 1981 by Prof. Wu Chu-Lai. Increased in 1987. 2n=28. Wild. Seed.

PI 531804. *Leymus condensatus* (K. Presl) A. Love POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531804-continued

**donor id:** UNKNOWN. **origin:** United States. **collected:** 1983. **collector:** R.J. Atkins. **locality:** From various locations in Ventura, Monterey, Santa Barbara and San Mateo Counties. **remarks:** Increased in 1987. 2n=56. Wild. Seed.

PI 531805. *Leymus innovatus* (Beal) Pilg. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-1248. **origin:** Canada. **collected:** August 1973. **collector:** D.R. Dewey. **collector id:** D-1248. **locality:** Roadside, approx. 165.7km S of Jasper, Alberta. **remarks:** Increased in 1987. 2n=28. Wild. Seed.

PI 531806 to 531807. *Leymus multicaulis* (Karel. & Kir.) Tzvelev  
POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531806 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Dzeto-Oghuz, 25km SW of Prshevalsk, SE of Lake Issyk-Kul, Terskei-Alatau mountains of Khirgizia S.S.R. **remarks:** Seed presented in 1974 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531807 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **other id:** 49-73. **locality:** Dzeto-Oghuz, S of Lake Issyk-Kul, Khirgizia S.S.R. **remarks:** Seed presented in 1977 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531808. *Leymus paboanus* (Claus) Pilg. POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Novosibirsk Botanical Garden, originally from Tuva A.S.S.R. **remarks:** Seed presented in 1977 by Dr. Vello Jaaska. Increased in 1987. 2n=56. Wild. Seed.

PI 531809 to 531810. *Leymus pseudoracemosus* C. Yen & J. L. Yang  
POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531809 **donor id:** D-3396. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural College, Ya-an, Sichuan. **locality:** Nuo-mu-hong, Qinghai. **remarks:** Seed presented in 1987 by Dr. Yen Chi. Increased in 1983. Wild. Seed.

PI 531810 **donor id:** D-3448. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural College, Ya-an, Sichuan. **other id:** NWC-19-8-81-3. **locality:** Nuo-mu-hong farm, Qinghai. **remarks:** Seed presented in 1984 by Dr. Yen Chi. Increased in 1987. Wild. Seed.

PI 531811 to 531812. *Leymus racemosus* (Lam.) Tzvelev POACEAE Mammoth wildrye

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531811 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Sand dunes on Apsheron Peninsula, Caspian Sea, Azerbaijan S.S.R. **remarks:** Seed presented in 1974 by Dr. Vello Jaaska. Increased in 1985. 2n=28. Wild. Seed.

PI 531812 **donor id:** UNKNOWN. **origin:** United States. **collected:** 1983. **collector:** R.J. Atkins. **locality:** Along the Tieton River, Yakima County. **remarks:** Probably not native. Increased in 1987. 2n=28. Wild. Seed.

PI 531813 to 531814. *Leymus sabulosus* (M. Bieb.) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531813 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **locality:** Seashore dunes, Azov Sea, Ukrainian S.S.R. **remarks:** Seed presented in 1974 by Dr. Vello Jaaska. Increased in 1985. 2n=28. Wild. Seed.

PI 531813 to 531814-continued

PI 531814 **donor id:** D-3489. **origin:** Soviet Union. **origin institute:** Institute of Zoology and Botany, Tartu, Estonian S.S.R.. **collected:** September 06, 1984. **other id:** AL-58/84. **locality:** Seashore dunes, approx. 30km W of Yevpatoria, near the salt lake Donuslav, Crimea. **remarks:** Seed presented in 1985 by Dr. Vello Jaaska. Increased in 1987. 2n=28. Wild. Seed.

PI 531815 to 531817. *Leymus salinus* (M. E. Jones) A. Love POACEAE  
Wildrye grass

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531815 **donor id:** UNKNOWN. **origin:** United States. **collected:** 1971. **collector:** D.R. Dewey. **locality:** Sandy sagebrush flat, along Bluerim road, 4.8km N of Greenriver. **remarks:** Increased in 1987. 2n=28. Wild. Seed.

PI 531816 **origin:** United States. **origin institute:** Utah Division of Wildlife Resources, Logan, Utah. **locality:** Carbon County. **remarks:** Seed presented in 1982 by Charles Jensen. Increased in 1987. Wild. Seed.

PI 531817 **origin:** United States. **origin institute:** U.S. Forest Service, Ephraim, Utah. **locality:** Joe's Valley, Carbon County. **remarks:** Seed presented in 1962 by Mr. A.P. Plummer. Increased in 1985. 2n=56. Wild. Seed.

PI 531818. *Leymus salinus* subsp. *mojavensis* Barkworth & Atkins POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

**donor id:** D-3334. **origin:** United States. **collected:** July 28, 1983. **collector:** R.J. Atkins. **locality:** Keystone Canyon, New York Mountains, East Mojave Desert, San Bernadino County. **remarks:** Inceased in 1987. 2n=28. Wild. Seed.

PI 531819 to 531820. *Leymus secalinus* (Georgi) Tzvelev POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531819 to 531820-continued

PI 531819 **donor id:** D-3395. **origin:** China, Peoples Repub of.  
**origin institute:** Northwest Institute of Biology, Xining,  
Qinghai. **collected:** September 22, 1983. **locality:** Near  
Xining, Qinghai. **remarks:** Seed presented in 1983 by Dr.  
Gou Ben-Zhao. Increased in 1987. 2n=28. Wild. Seed.

PI 531820 **donor id:** D-3397. **origin:** China, Peoples Repub of.  
**origin institute:** Gansu Grassland Ecological Institute,  
Lanzhou, Gansu. **collected:** November 01, 1983. **locality:**  
Railway Forest Station, Lanzhou City, Gansu. **elevation:**  
1600m. **remarks:** Seed presented in 1983 by Dr. Ren  
Jiz-Hou. Increased in 1987. 2n=28. Wild. Seed.

PI 531821 to 531822. *Leymus triticoides* (Buckley) Pilg. POACEAE  
Beardless wildrye

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah  
State University, Logan, Utah, United States. Received October 07,  
1988.

PI 531821 **donor id:** D-2860. **origin:** United States. **collected:**  
July 15, 1982. **collector:** D.R. Dewey. **collector id:**  
D-2860. **locality:** South entrance to Washoe Valley.  
**elevation:** 1372m. **remarks:** Leaves bright green.  
Increased in 1987. 2n=28. Wild. Seed.

PI 531822 **donor id:** D-2864. **origin:** United States. **collected:**  
July 15, 1982. **collector:** D.R. Dewey. **collector id:**  
D-2864. **locality:** South entrance to Washoe Valley.  
**elevation:** 1372m. **remarks:** Increased in 1987. 2n=28.  
Wild. Seed.

PI 531823. *Psathyrostachys huachanica* Keng POACEAE

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah  
State University, Logan, Utah, United States. Received October 07,  
1988.

**donor id:** D-2825. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural College, Ya-an,  
Sichuan. **locality:** Hua Shan mountain, Shaanxi. **remarks:**  
Seeds presented in 1982 by Dr. Yen Chi. Increased in  
1987. 2n=14. Wild. Seed.



PI 531824 to 531828. *Psathyrostachys juncea* (Fischer) Nevski POACEAE  
Russian wildrye

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531824 **donor id:** D-2824. **origin:** China, Peoples Repub of.  
**origin institute:** Sichuan Agricultural College, Ya-an, Sichuan. **locality:** Xinjiang. **remarks:** Seeds presented in 1982 by Dr. Yen Chi. Increased in 1985. 2n=14. Wild. Seed.

PI 531825 **donor id:** D-3082. **origin:** China, Peoples Repub of.  
**collected:** August 08, 1983. **collector:** D.R. Dewey.  
**collector id:** D-3082. **locality:** Protected site, road to Tian Lake, 80km ENE of Urumqi, Xinjiang. **elevation:** 1140m. **remarks:** Increased in 1985. 2n=14. Wild. Seed.

PI 531826 **donor id:** D-3139. **origin:** China, Peoples Repub of.  
**collected:** August 09, 1983. **collector:** D.R. Dewey.  
**collector id:** D-3139. **locality:** Side canyon, on way to Tian Lake, approx. 90km ENE of Urumqi, Xinjiang. **elevation:** 1750m. **remarks:** Increased in 1985. 2n=14. Wild. Seed.

PI 531827 **origin:** Soviet Union. **origin institute:** Institute of Zoology and Biology, Tartu, Estonian S.S.R.. **locality:** 25km N of Naryn, Khirgizia S.S.R. **remarks:** Seed presented in 1974 by Dr. Vello Jaaska. Increased in 1981. 2n=14. Wild. Seed.

PI 531828 **origin:** United States. **origin institute:** University of Idaho, Moscow, Idaho. **remarks:** Seed presented in 1967 by Dr. A.E. Slinkard. Colchicine-induced tetraploid accessions 260-5, 270-1, 272-2, 273-2. Increased in 1986. 2n=28. Wild. Seed.

PI 531829 to 531835. *Secale montanum* Guss. POACEAE Mountain rye

**Donated by:** Dewey, D.R., Forage and Range Laboratory, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 07, 1988.

PI 531829 **donor id:** D-3249. **origin:** Soviet Union. **locality:** Armenia S.S.R. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, Univ. of Wroclaw, Poland. Increased 1985. 2n=14. Wild. Seed.

PI 531830 **donor id:** D-3250. **origin:** Soviet Union. **locality:** Armenia S.S.R. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, Univ. of Wroclaw, Poland. Increased 1985. 2n=14. Wild. Seed.

PI 531829 to 531835-continued

- PI 531831 **donor id:** D-3251. **origin:** Soviet Union. **origin institute:** VIR, 44 Herzen Street, Leningrad. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, Univ. of Wroclaw, Poland. Increased 1985. 2n=14. Wild. Seed.
- PI 531832 **donor id:** D-3252. **origin:** Soviet Union. **origin institute:** VIR, 44 Herzen Street, Leningrad. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, Univ. of Wroclaw, Poland. Increased 1985. 2n=14. Wild. Seed.
- PI 531833 **donor id:** D-3253. **origin:** Soviet Union. **origin institute:** VIR, 44 Herzen Street, Leningrad. **remarks:** Seed presented in 1983 by Dr. Romuald Kosina, Univ. of Wroclaw, Poland. Increased 1985. 2n=14. Wild. Seed.
- PI 531834 **origin:** Iran. **other id:** 7-17-4-5. **locality:** 48km W of Sanandaj, toward Dez Shahpur. **elevation:** 1480m. **remarks:** Seed presented in 1971 by Dr. Sadao Sakamoto, Univ. of Kyoto, Japan. Increased in 1984. 2n=14. Wild. Seed.
- PI 531835 **origin:** Turkey. **locality:** East Anatolia. **remarks:** Seed presented in 1976 by Dr. Esvet Acikgoz, Ankara, Turkey. Increased in 1984. 2n=14. Wild. Seed.

PI 531836 to 531850. *Hordeum vulgare* L. POACEAE Barley

**Donated by:** Giles, R.J., Plant Breeding International, Maris Lane, Trumpington, Cambridge CB22LG, England, United Kingdom. **remarks:** Received through J.G. Moseman, Germplasm Quality and Enhancement Lab., USDA-ARS, Beltsville, Maryland. Received December 1985.

- PI 531836 **donor id:** BS 34-11-3. **origin:** Morocco. **historical origin:** United Kingdom. **pedigree:** Berac/HS 4422. **remarks:** Susceptible to leaf rust (*Puccinia recondita*). **disease resistance:** Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.
- PI 531837 **donor id:** BS 34-11-4. **origin:** Morocco. **historical origin:** United Kingdom. **pedigree:** Berac/HS 4422. **remarks:** Susceptible to leaf rust (*Puccinia recondita*). **disease resistance:** Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.
- PI 531838 **donor id:** BS 34-23-1-1. **origin:** Morocco. **historical origin:** United Kingdom. **pedigree:** Berac/HS 4422. **remarks:** Susceptible to leaf rust (*Puccinia recondita*). **disease resistance:** Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.

PI 531836 to 531850-continued

- PI 531839 **donor id:** BS 34-23-1-2. **origin:** Morocco. **historical origin:** United Kingdom. **pedigree:** Berac/HS 4422. **remarks:** Susceptible to leaf rust (*Puccinia recondita*). **disease resistance:** Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.
- PI 531840 **donor id:** BS 58-8-6. **origin:** Morocco. **historical origin:** United Kingdom. **pedigree:** Berac\*2/HS 2986. **disease resistance:** Powdery mildew (*Erysipha graminis*). Segregating for resistance to leaf rust (*Puccinia recondita*). Winter Annual. Breeding Material. Seed.
- PI 531841 **donor id:** BS 78-3-4. **origin:** Morocco. **historical origin:** United Kingdom. **pedigree:** HJ 198\*3/HS 2310. **disease resistance:** Leaf rust (*Puccinia recondita*). Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.
- PI 531842 **donor id:** BS 79-4-1. **origin:** Morocco. **historical origin:** United Kingdom. **pedigree:** HJ 198\*3/HS 2310. **disease resistance:** Leaf rust (*Puccinia recondita*). Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.
- PI 531843 **donor id:** BS 84-10-4. **origin:** Morocco. **historical origin:** United Kingdom. **pedigree:** Berac\*2/HS 4376. **disease resistance:** Powdery mildew (*Erysipha graminis*). Segregating for resistance to leaf rust (*Puccinia recondita*). Winter Annual. Breeding Material. Seed.
- PI 531844 **donor id:** BS 89-4-3. **origin:** Morocco. **historical origin:** United Kingdom. **pedigree:** Berac\*3/HS 2310. **remarks:** Susceptible to leaf rust (*Puccinia recondita*). **disease resistance:** Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.
- PI 531845 **donor id:** BS 90-9-1. **origin:** Morocco. **historical origin:** United Kingdom. **pedigree:** Berac\*3/HS 2310. **remarks:** Susceptible to leaf rust (*Puccinia recondita*). **disease resistance:** Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.
- PI 531846 **donor id:** BS 90-9-2. **origin:** Morocco. **historical origin:** United Kingdom. **pedigree:** Berac\*3/HS 2310. **remarks:** Susceptible to leaf rust (*Puccinia recondita*). **disease resistance:** Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.

PI 531836 to 531850-continued

- PI 531847 donor id: BS 98-5-1. origin: Morocco. historical origin: United Kingdom. pedigree: Berac\*3/HS 2986. disease resistance: Leaf rust (*Puccinia recondita*). Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.
- PI 531848 donor id: BS 98-5-3. origin: Morocco. historical origin: United Kingdom. pedigree: Berac\*3/HS 2986. disease resistance: Leaf rust (*Puccinia recondita*). Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.
- PI 531849 donor id: BS 99-2-1. origin: Morocco. historical origin: United Kingdom. pedigree: Berac\*3/HS 2986. disease resistance: Powdery mildew (*Erysipha graminis*). Segregating for resistance to leaf rust (*Puccinia recondita*). Winter Annual. Breeding Material. Seed.
- PI 531850 donor id: BS 100-3-1. origin: Morocco. historical origin: United Kingdom. pedigree: Berac\*3/HS 3261. disease resistance: Leaf rust (*Puccinia recondita*). Powdery mildew (*Erysipha graminis*). Winter Annual. Breeding Material. Seed.

PI 531851 to 531861. *Hordeum spontaneum* K. Koch POACEAE Barley

Donated by: Giles, R.J., Plant Breeding International, Maris Lane, Trumpington, Cambridge CB22LG, England, United Kingdom. remarks: Received through J.G. Moseman, Germplasm Quality and Enhancement Lab., USDA-ARS, Beltsville, Maryland. Received October 02, 1985.

- PI 531851 donor id: 227. origin: Israel. collected: 1983. collector id: IB-14. locality: Ruhama, northern Negev. disease resistance: Powdery mildew (*Erysiphe graminis*). Annual. Wild. Seed.
- PI 531852 donor id: 2151. origin: Israel. collected: 1983. collector id: IB-73. locality: Tulkarm, central coastal plain. disease resistance: Powdery mildew (*Erysiphe graminis*). Annual. Wild. Seed.
- PI 531853 donor id: 2280. origin: Israel. collected: 1983. collector id: IB-80. locality: Yizrael, Samarian mountains. disease resistance: Powdery mildew (*Erysiphe graminis*). Annual. Wild. Seed.
- PI 531854 donor id: 2370. origin: Israel. collected: 1983. collector id: IB-84. locality: Kfar Tavor, eastern Lower Galilee. disease resistance: Powdery mildew (*Erysiphe graminis*). Annual. Wild. Seed.

PI 531851 to 531861-continued

- PI 531855 donor id: 3027. origin: Israel. collected: 1983.  
collector id: IB-110. locality: Migdal, eastern Lower  
Galilee. disease resistance: Powdery mildew (*Erysiphe*  
*graminis*). Annual. Wild. Seed.
- PI 531856 donor id: 3183. origin: Israel. collected: 1983.  
collector id: IB-118. locality: Shamir, Golan Heights.  
disease resistance: Powdery mildew (*Erysiphe* *graminis*).  
Annual. Wild. Seed.
- PI 531857 donor id: 3196. origin: Israel. collected: 1983.  
collector id: IB-119. locality: Beit Hillel, Hula  
Valley. disease resistance: Powdery mildew (*Erysiphe*  
*graminis*). Annual. Wild. Seed.
- PI 531858 donor id: 4257. origin: Israel. collected: 1983.  
collector id: IB-182. locality: Yehi'am, Upper Galilee.  
disease resistance: Powdery mildew (*Erysiphe* *graminis*).  
Annual. Wild. Seed.
- PI 531859 donor id: 4275. origin: Israel. collected: 1983.  
collector id: IB-183. locality: Har'el, Judean  
foothills. disease resistance: Powdery mildew (*Erysiphe*  
*graminis*). Annual. Wild. Seed.
- PI 531860 donor id: 4347. origin: Israel. collected: 1983.  
collector id: IB-187. locality: Kafr Lakif, Samaritan  
mountains. disease resistance: Powdery mildew (*Erysiphe*  
*graminis*). Annual. Wild. Seed.
- PI 531861 donor id: 4599. origin: Israel. collected: 1983.  
collector id: IB-203. locality: Mekora, Mount Carmel.  
disease resistance: Powdery mildew (*Erysiphe* *graminis*).  
Annual. Wild. Seed.

PI 531862. *Phaseolus vulgaris* L. FABACEAE Garden bean

Donated by: Sperling, C.R., Germplasm Services Laboratory, USDA-ARS,  
Beltsville Agricultural Research Center, Beltsville, Maryland,  
United States. Received May 15, 1989.

origin: Peru. local name: Nunas. collected: May 11,  
1989. collector: C.R. Sperling. locality: Surguillos  
market, Miraflores. Grown in northern Peru. remarks:  
Used as a snack food, popped in hot oil. Cultivated.  
Seed.

**Donated by:** Abdalla, F.H., Department of Agronomy, Faculty of Agriculture, University of Assiut, Assiut, Egypt. **remarks:** Received through J.G. Moseman, Germplasm Quality and Enhancement Lab., USDA-ARS, Beltsville, Maryland. Accessions collected through Research Project EG-ARS-77 "Collection and Evaluation of Cereal Germplasm in Egypt". Received May 04, 1988.

- PI 531863 **donor id:** 2. **origin:** Egypt. **collected:** 1979. **locality:** Belbais-Sharkia. **remarks:** Yield high. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531864 **donor id:** 11. **origin:** Egypt. **collected:** 1979. **locality:** Belbais-Sharkia. **remarks:** Yield high. Spring Annual. Cultivated. Seed.
- PI 531865 **donor id:** 31. **origin:** Egypt. **collected:** 1979. **locality:** Belbais-Sharkia. **remarks:** Plants short. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531866 **donor id:** 131. **origin:** Egypt. **collected:** 1979. **remarks:** Yield high. Salt tolerance. Spring Annual. Cultivated. Seed.
- PI 531867 **donor id:** 334. **origin:** Egypt. **collected:** 1979. Salt tolerance. Spring Annual. Cultivated. Seed.
- PI 531868 **donor id:** 364. **origin:** Egypt. **collected:** 1979. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 531869 **donor id:** 374. **origin:** Egypt. **collected:** 1979. **remarks:** Yield high. Spring Annual. Cultivated. Seed.
- PI 531870 **donor id:** 383. **origin:** Egypt. **collected:** 1979. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531871 **donor id:** 418. **origin:** Egypt. **collected:** 1979. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531872 **donor id:** 434. **origin:** Egypt. **collected:** 1979. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531873 **donor id:** 444. **origin:** Egypt. **collected:** 1979. **remarks:** Tolerance to alkali soils. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.

PI 531863 to 532046-continued

- PI 531874 **donor id:** 452. **origin:** Egypt. **collected:** 1979.  
**remarks:** Yield high. Tolerance to alkali soils. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531875 **donor id:** 466. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer-Sakr-Sharkia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 531876 **donor id:** 489. **origin:** Egypt. **collected:** 1979. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531877 **donor id:** 538. **origin:** Egypt. **collected:** 1979. Salt tolerance. Spring Annual. Cultivated. Seed.
- PI 531878 **donor id:** 600. **origin:** Egypt. **collected:** 1979.  
**locality:** Mansora-Dakahlia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 531879 **donor id:** 603. **origin:** Egypt. **collected:** 1979.  
**locality:** Mansora Dakahlia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 531880 **donor id:** 658. **origin:** Egypt. **collected:** 1979.  
**locality:** Dekernis-Dakahlia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 531881 **donor id:** 696. **origin:** Egypt. **collected:** 1979.  
**locality:** Manzala-Dakahlia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 531882 **donor id:** 715. **origin:** Egypt. **collected:** 1979.  
**remarks:** Yield high. Spring Annual. Cultivated. Seed.
- PI 531883 **donor id:** 738. **origin:** Egypt. **collected:** 1979. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531884 **donor id:** 746. **origin:** Egypt. **collected:** 1979.  
**remarks:** Yield high. Spring Annual. Cultivated. Seed.
- PI 531885 **donor id:** 794. **origin:** Egypt. **collected:** 1979.  
**remarks:** Yield high. Spring Annual. Cultivated. Seed.

PI 531863 to 532046-continued

- PI 531886 **donor id:** 887. **origin:** Egypt. **collected:** 1979. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531887 **donor id:** 966. **origin:** Egypt. **collected:** 1979. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531888 **donor id:** 994. **origin:** Egypt. **collected:** 1979. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531889 **donor id:** 1055. **origin:** Egypt. **collected:** 1979. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531890 **donor id:** 1092. **origin:** Egypt. **collected:** 1979. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531891 **donor id:** 1101. **origin:** Egypt. **collected:** 1979. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531892 **donor id:** 1115. **origin:** Egypt. **collected:** 1979. **locality:** Tanta-Garbia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 531893 **donor id:** 1165. **origin:** Egypt. **collected:** 1979. **locality:** El-Hussainia-Sharkia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 531894 **donor id:** 1214. **origin:** Egypt. **collected:** 1979. **locality:** Qulen-Kafer El-Sheikh. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 531895 **donor id:** 1245. **origin:** Egypt. **collected:** 1979. **remarks:** Maturity early. Salt tolerance. Spring Annual. Cultivated. Seed.
- PI 531896 **donor id:** 1271. **origin:** Egypt. **collected:** 1979. Salt tolerance. Spring Annual. Cultivated. Seed.
- PI 531897 **donor id:** 1272. **origin:** Egypt. **collected:** 1979. **remarks:** Yield high. Spring Annual. Cultivated. Seed.



PI 531863 to 532046-continued

- PI 531898 **donor id:** 1294. **origin:** Egypt. **collected:** 1979.  
**locality:** Fuwa-Kafer-El-Sheikh. **disease resistance:**  
Powdery mildew (*Erysiphe graminis*). Spring Annual.  
Cultivated. Seed.
- PI 531899 **donor id:** 1324. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 531900 **donor id:** 1354. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 531901 **donor id:** 1415. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 531902 **donor id:** 1452. **origin:** Egypt. **collected:** 1979.  
**locality:** Sedi Salem-Kafer El-Sheikh. **disease**  
**resistance:** Leaf rust (*Puccinia recondita*). Spring  
Annual. Cultivated. Seed.
- PI 531903 **donor id:** 1465. **origin:** Egypt. **collected:** 1979.  
**locality:** Sedi Salem-Kafer El-Sheikh. **remarks:** Plants  
short. **disease resistance:** Leaf rust (*Puccinia*  
*recondita*). Spring Annual. Cultivated. Seed.
- PI 531904 **donor id:** 1466. **origin:** Egypt. **collected:** 1979.  
**locality:** Sedi Salem-Kafer El-Sheikh. **disease**  
**resistance:** Leaf rust (*Puccinia recondita*). Spring  
Annual. Cultivated. Seed.
- PI 531905 **donor id:** 1511. **origin:** Egypt. **collected:** 1979.  
**locality:** Sedi Salem-Kafer El-Sheikh. **disease**  
**resistance:** Leaf rust (*Puccinia recondita*). Spring  
Annual. Cultivated. Seed.
- PI 531906 **donor id:** 1526. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer El-Sheikh-Kafer El-Sheikh. **disease**  
**resistance:** Leaf rust (*Puccinia recondita*). Spring  
Annual. Cultivated. Seed.
- PI 531907 **donor id:** 1532. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer El-Sheikh-Kafer El-Sheikh. **disease**  
**resistance:** Leaf rust (*Puccinia recondita*). Salt  
tolerance. Spring Annual. Cultivated. Seed.
- PI 531908 **donor id:** 1540. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer El-Sheikh-Kafer El-Sheikh. **disease**  
**resistance:** Leaf rust (*Puccinia recondita*). Spring  
Annual. Cultivated. Seed.

PI 531863 to 532046-continued

- PI 531909 donor id: 1553. origin: Egypt. collected: 1979.  
locality: Sedi Salem-Kafer El-Sheikh. remarks: Yield high.  
disease resistance: Leaf rust (Puccinia recondita). Spring Annual. Cultivated. Seed.
- PI 531910 donor id: 1591. origin: Egypt. collected: 1979.  
locality: Belia-Kafer El-Sheikh. remarks: Yield high.  
disease resistance: Leaf rust (Puccinia recondita).  
Powdery mildew (Erysiphe graminis). Spring Annual.  
Cultivated. Seed.
- PI 531911 donor id: 1602. origin: Egypt. collected: 1979.  
locality: Belia-Kafer El-Sheikh. remarks: Yield high.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531912 donor id: 1611. origin: Egypt. collected: 1979.  
locality: Belia-Kafer El-Sheikh. remarks: Yield high.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531913 donor id: 1614. origin: Egypt. collected: 1979.  
locality: Belia-Kafer El-Sheikh. remarks: Yield high.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531914 donor id: 1638. origin: Egypt. collected: 1979.  
locality: El-Hamol-Kafer El-Shiekh. remarks: Yield high.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531915 donor id: 1667. origin: Egypt. collected: 1979.  
locality: Balteem-Kafer El-Sheikh. disease resistance:  
Leaf rust (Puccinia recondita). Spring Annual.  
Cultivated. Seed.
- PI 531916 donor id: 1675. origin: Egypt. collected: 1979.  
locality: El-Hamol-Kafer El-Sheikh. remarks: Yield high.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531917 donor id: 1692. origin: Egypt. collected: 1979.  
locality: El-Hamol-Kafer El-Sheikh. disease resistance:  
Leaf rust (Puccinia recondita). Spring Annual.  
Cultivated. Seed.
- PI 531918 donor id: 1693. origin: Egypt. collected: 1979.  
locality: El-Hamol-Kafer El-Sheikh. disease resistance:  
Leaf rust (Puccinia recondita). Salt tolerance. Spring  
Annual. Cultivated. Seed.

PI 531863 to 532046-continued

- PI 531919 **donor id:** 1728. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer El-Shiekh Kafer El-Sheikh. **remarks:**  
Plants short. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531920 **donor id:** 1735. **origin:** Egypt. **collected:** 1979.  
**locality:** Talkh-Dakahlia. **disease resistance:** Leaf rust  
(*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531921 **donor id:** 1831. **origin:** Egypt. **collected:** 1979.  
**locality:** Belia-Kafer El-Shiekh. **disease resistance:**  
Powdery mildew (*Erysiphe graminis*). Spring Annual.  
Cultivated. Seed.
- PI 531922 **donor id:** 1865. **origin:** Egypt. **collected:** 1979.  
**remarks:** Tolerance to alkali soils. Spring Annual.  
Cultivated. Seed.
- PI 531923 **donor id:** 1898. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer-Said-Dumiat. **disease resistance:** Powdery  
mildew (*Erysiphe graminis*). Salt tolerance. Spring  
Annual. Cultivated. Seed.
- PI 531924 **donor id:** 1919. **origin:** Egypt. **collected:** 1979.  
**remarks:** Tolerance to alkali soils. Salt tolerance.  
Spring Annual. Cultivated. Seed.
- PI 531925 **donor id:** 1922. **origin:** Egypt. **collected:** 1979.  
**locality:** Hosh Essa-Behera. **disease resistance:** Powdery  
mildew (*Erysiphe graminis*). Spring Annual. Cultivated.  
Seed.
- PI 531926 **donor id:** 1927. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-El-Matamer-Behera. **disease resistance:**  
Leaf rust (*Puccinia recondita*). Salt tolerance. Spring  
Annual. Cultivated. Seed.
- PI 531927 **donor id:** 1930. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-El-Matamer-Behera. **disease resistance:**  
Leaf rust (*Puccinia recondita*). Spring Annual.  
Cultivated. Seed.
- PI 531928 **donor id:** 1931. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-El-Matamer-Behera. **disease resistance:**  
Leaf rust (*Puccinia recondita*). Spring Annual.  
Cultivated. Seed.
- PI 531929 **donor id:** 1937. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer El-Dawar-Behera. **disease resistance:**  
Leaf rust (*Puccinia recondita*). Powdery mildew (*Erysiphe*  
*graminis*). Salt tolerance. Spring Annual. Cultivated.  
Seed.

PI 531863 to 532046-continued

- PI 531930 **donor id:** 1946. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-Homos-Behera. **remarks:** Maturity early.  
**disease resistance:** Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 531931 **donor id:** 1947. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-Homos-Behera. **disease resistance:** Leaf  
rust (*Puccinia recondita*). Powdery mildew (*Erysiphe*  
*graminis*). Spring Annual. Cultivated. Seed.
- PI 531932 **donor id:** 1967. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer El-Dawar-Rehera. **disease resistance:**  
Leaf rust (*Puccinia recondita*). Spring Annual.  
Cultivated. Seed.
- PI 531933 **donor id:** 1968. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Leaf rust (*Puccinia recondita*). Salt  
tolerance. Spring Annual. Cultivated. Seed.
- PI 531934 **donor id:** 2019. **origin:** Egypt. **collected:** 1979.  
**remarks:** Tolerance to alkali soils. Spring Annual.  
Cultivated. Seed.
- PI 531935 **donor id:** 2027. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Mahamodia-Behera. **disease resistance:** Leaf  
rust (*Puccinia recondita*). Spring Annual. Cultivated.  
Seed.
- PI 531936 **donor id:** 2030. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Mahamodia-Behera. **disease resistance:** Leaf  
rust (*Puccinia recondita*). Spring Annual. Cultivated.  
Seed.
- PI 531937 **donor id:** 2055. **origin:** Egypt. **collected:** 1979.  
**locality:** Rashaid-Behera. **remarks:** Tolerance to alkali  
soils. **disease resistance:** Leaf rust (*Puccinia*  
*recondita*). Spring Annual. Cultivated. Seed.
- PI 531938 **donor id:** 2072. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Dalingat-Behera. **disease resistance:** Leaf  
rust (*Puccinia recondita*). Spring Annual. Cultivated.  
Seed.
- PI 531939 **donor id:** 2083. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-Homos-Behera. **disease resistance:** Leaf  
rust (*Puccinia recondita*). Powdery mildew (*Erysiphe*  
*graminis*). Spring Annual. Cultivated. Seed.
- PI 531940 **donor id:** 2108. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-Homos-Behera. Salt tolerance. Spring  
Annual. Cultivated. Seed.

PI 531863 to 532046-continued

- PI 531941 **donor id:** 2122. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-Homos-Behera. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531942 **donor id:** 2124. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-Homos-Behera. **disease resistance:** Leaf rust (*Puccinia recondita*). Salt tolerance. Spring Annual. Cultivated. Seed.
- PI 531943 **donor id:** 2133. **origin:** Egypt. **collected:** 1979.  
**locality:** Ab0-Homos-Behera. Salt tolerance. Spring Annual. Cultivated. Seed.
- PI 531944 **donor id:** 2158. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Shaidi-Menofia. **disease resistance:** Leaf rust (*Puccinia recondita*). Salt tolerance. Spring Annual. Cultivated. Seed.
- PI 531945 **donor id:** 2207. **origin:** Egypt. **collected:** 1979.  
**locality:** Shebin El-Koem-Menofia. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531946 **donor id:** 2213. **origin:** Egypt. **collected:** 1979.  
**locality:** Shebin El-Koem-Menofia. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531947 **donor id:** 2218. **origin:** Egypt. **collected:** 1979.  
**remarks:** Yield high. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 531948 **donor id:** 2244. **origin:** Egypt. **collected:** 1979.  
**locality:** Ashmon-Menofia. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531949 **donor id:** 2249. **origin:** Egypt. **collected:** 1979.  
**locality:** Ashmon-Menofia. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531950 **donor id:** 2254. **origin:** Egypt. **collected:** 1979.  
**locality:** Ashmon-Menofia. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 531951 **donor id:** 2281. **origin:** Egypt. **collected:** 1979.  
**locality:** Ashmon-Menofia. **disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.

PI 531863 to 532046-continued

- PI 531952 **donor id:** 2283. **origin:** Egypt. **collected:** 1979.  
**locality:** Ashmon-Menofia. **disease resistance:** Leaf rust  
(Puccinia recondita). Powdery mildew (Erysiphe  
graminis). Spring Annual. Cultivated. Seed.
- PI 531953 **donor id:** 2298. **origin:** Egypt. **collected:** 1979.  
**locality:** Kalub-Kalubia. **disease resistance:** Powdery  
mildew (Erysiphe graminis). Spring Annual. Cultivated.  
Seed.
- PI 531954 **donor id:** 2332. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Ameria-Alexandria. **disease resistance:** Leaf  
rust (Puccinia recondita). Spring Annual. Cultivated.  
Seed.
- PI 531955 **donor id:** 2346. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer El-Dawar-Behera. **disease resistance:**  
Leaf rust (Puccinia recondita). Spring Annual.  
Cultivated. Seed.
- PI 531956 **donor id:** 2348. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-Homos-Behera. **remarks:** Plants short.  
**disease resistance:** Powdery mildew (Erysiphe graminis).  
Spring Annual. Cultivated. Seed.
- PI 531957 **donor id:** 2357. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-Homos-Behera. **remarks:** Plants short.  
**disease resistance:** Powdery mildew (Erysiphe graminis).  
Spring Annual. Cultivated. Seed.
- PI 531958 **donor id:** 2376. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531959 **donor id:** 2381. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo-Homos-Behera. **disease resistance:** Leaf  
rust (Puccinia recondita). Spring Annual. Cultivated.  
Seed.
- PI 531960 **donor id:** 2395. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer-El-Dawar-Behera. **disease resistance:**  
Leaf rust (Puccinia recondita). Powdery mildew (Erysiphe  
graminis). Spring Annual. Cultivated. Seed.
- PI 531961 **donor id:** 2420. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer-El-Dawar-Behera. **disease resistance:**  
Leaf rust (Puccinia recondita). Spring Annual.  
Cultivated. Seed.
- PI 531962 **donor id:** 2434. **origin:** Egypt. **collected:** 1979.  
**locality:** Damanhor-Behera. **disease resistance:** Leaf rust  
(Puccinia recondita). Spring Annual. Cultivated. Seed.

PI 531863 to 532046-continued

- PI 531963 **donor id:** 2449. **origin:** Egypt. **collected:** 1979.  
**locality:** Rashaid-Behera. **disease resistance:** Leaf rust  
(Puccinia recondita). Spring Annual. Cultivated. Seed.
- PI 531964 **donor id:** 2467. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Daligat-Behera. **disease resistance:** Leaf  
rust (Puccinia recondita). Spring Annual. Cultivated.  
Seed.
- PI 531965 **donor id:** 2468. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Daligat-Behera. **disease resistance:** Leaf  
rust (Puccinia recondita). Spring Annual. Cultivated.  
Seed.
- PI 531966 **donor id:** 2524. **origin:** Egypt. **collected:** 1979.  
**locality:** Eti El-Barood-Behera. **disease resistance:** Leaf  
rust (Puccinia recondita). Spring Annual. Cultivated.  
Seed.
- PI 531967 **donor id:** 2532. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer El-Zayat-Garbia. **disease resistance:**  
Leaf rust (Puccinia recondita). Spring Annual.  
Cultivated. Seed.
- PI 531968 **donor id:** 2544. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer El-Zayat-Garbia. **remarks:** Plants short.  
**disease resistance:** Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531969 **donor id:** 2545. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer El-Zayat-Garbia. **disease resistance:**  
Leaf rust (Puccinia recondita). Spring Annual.  
Cultivated. Seed.
- PI 531970 **donor id:** 2548. **origin:** Egypt. **collected:** 1979.  
**locality:** Kafer El-Zayat-Garbia. **disease resistance:**  
Leaf rust (Puccinia recondita). Spring Annual.  
Cultivated. Seed.
- PI 531971 **donor id:** 2550. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Shaidi-Menofia. **remarks:** Plants short.  
**disease resistance:** Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531972 **donor id:** 2555. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Shaidi-Menofia. **disease resistance:** Powdery  
mildew (Erysiphe graminis). Spring Annual. Cultivated.  
Seed.

PI 531863 to 532046-continued

- PI 531973 donor id: 2561. origin: Egypt. collected: 1979.  
locality: El-Shaidi-Menofia. remarks: Plants short.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531974 donor id: 2562. origin: Egypt. collected: 1979.  
locality: El-Shaidi-Menofia. disease resistance: Leaf  
rust (Puccinia recondita). Spring Annual. Cultivated.  
Seed.
- PI 531975 donor id: 2564. origin: Egypt. collected: 1979.  
locality: Tali-Menofia. disease resistance: Leaf rust  
(Puccinia recondita). Spring Annual. Cultivated. Seed.
- PI 531976 donor id: 2571. origin: Egypt. collected: 1979.  
locality: Tali-Menofia. disease resistance: Leaf rust  
(Puccinia recondita). Spring Annual. Cultivated. Seed.
- PI 531977 donor id: 2572. origin: Egypt. collected: 1979.  
locality: Tali-Menofia. disease resistance: Leaf rust  
(Puccinia recondita). Spring Annual. Cultivated. Seed.
- PI 531978 donor id: 2607. origin: Egypt. collected: 1979.  
locality: Shebin El-Koem-Menofia. disease resistance:  
Leaf rust (Puccinia recondita). Spring Annual.  
Cultivated. Seed.
- PI 531979 donor id: 2636. origin: Egypt. collected: 1979.  
locality: Toekh-Kolubia. disease resistance: Leaf rust  
(Puccinia recondita). Spring Annual. Cultivated. Seed.
- PI 531980 donor id: 2649. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531981 donor id: 2668. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531982 donor id: 2686. origin: Egypt. collected: 1979.  
remarks: Yield high. Spring Annual. Cultivated. Seed.
- PI 531983 donor id: 2688. origin: Egypt. collected: 1979.  
remarks: Plants short. Spring Annual. Cultivated.  
Seed.
- PI 531984 donor id: 2690. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.



PI 531863 to 532046-continued

- PI 531985 donor id: 2694. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531986 donor id: 2695. origin: Egypt. collected: 1979.  
remarks: Yield high. Spring Annual. Cultivated. Seed.
- PI 531987 donor id: 2698. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531988 donor id: 2699. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531989 donor id: 2701. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531990 donor id: 2712. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531991 donor id: 2715. origin: Egypt. collected: 1979.  
remarks: Yield high. Spring Annual. Cultivated. Seed.
- PI 531992 donor id: 2716. origin: Egypt. collected: 1979.  
remarks: Yield high. disease resistance: Leaf rust  
(Puccinia recondita). Spring Annual. Cultivated. Seed.
- PI 531993 donor id: 2717. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531994 donor id: 2718. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 531995 donor id: 2721. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (Puccinia recondita). Salt  
tolerance. Spring Annual. Cultivated. Seed.
- PI 531996 donor id: 2724. origin: Egypt. collected: 1979.  
remarks: Plants short. Spring Annual. Cultivated.  
Seed.
- PI 531997 donor id: 2726. origin: Egypt. collected: 1979. Salt  
tolerance. Spring Annual. Cultivated. Seed.
- PI 531998 donor id: 2731. origin: Egypt. collected: 1979.  
remarks: Tolerance to alkali soils. Salt tolerance.  
Spring Annual. Cultivated. Seed.

PI 531863 to 532046-continued

- PI 531999 **donor id:** 2741. **origin:** Egypt. **collected:** 1979.  
**remarks:** Plants short. Tolerance to alkali soils. Salt tolerance. Spring Annual. Cultivated. Seed.
- PI 532000 **donor id:** 2744. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 532001 **donor id:** 2747. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Leaf rust (*Puccinia recondita*). Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 532002 **donor id:** 2748. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 532003 **donor id:** 2751. **origin:** Egypt. **collected:** 1979.  
**remarks:** Tolerance to alkali soils. Salt tolerance. Spring Annual. Cultivated. Seed.
- PI 532004 **donor id:** 2757. **origin:** Egypt. **collected:** 1979.  
**remarks:** Plants short. Spring Annual. Cultivated. Seed.
- PI 532005 **donor id:** 2758. **origin:** Egypt. **collected:** 1979.  
**remarks:** Plants short. Spring Annual. Cultivated. Seed.
- PI 532006 **donor id:** 2763. **origin:** Egypt. **collected:** 1979.  
**remarks:** Yield high. Spring Annual. Cultivated. Seed.
- PI 532007 **donor id:** 2767. **origin:** Egypt. **collected:** 1979.  
**remarks:** Maturity early. Spring Annual. Cultivated. Seed.
- PI 532008 **donor id:** 2771. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 532009 **donor id:** 2773. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Powdery mildew (*Erysiphe graminis*). Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 532010 **donor id:** 2783. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.

PI 531863 to 532046-continued

- PI 532011 donor id: 2789. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Leaf rust (*Puccinia recondita*). Spring Annual.  
Cultivated. Seed.
- PI 532012 donor id: 2790. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532013 donor id: 2794. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532014 donor id: 2796. origin: Egypt. collected: 1979.  
remarks: Plants short. Spring Annual. Cultivated.  
Seed.
- PI 532015 donor id: 2797. origin: Egypt. collected: 1979.  
remarks: Yield high. Spring Annual. Cultivated. Seed.
- PI 532016 donor id: 2799. origin: Egypt. collected: 1979.  
remarks: Yield high. Spring Annual. Cultivated. Seed.
- PI 532017 donor id: 2800. origin: Egypt. collected: 1979.  
remarks: Plants short. disease resistance: Leaf rust  
(*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 532018 donor id: 2806. origin: Egypt. collected: 1979.  
remarks: Plants short. Yield high. Spring Annual.  
Cultivated. Seed.
- PI 532019 donor id: 2808. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532020 donor id: 2814. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532021 donor id: 2816. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532022 donor id: 2820. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532023 donor id: 2821. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.

PI 531863 to 532046-continued

- PI 532024 donor id: 2824. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532025 donor id: 2828. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532026 donor id: 2832. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532027 donor id: 2839. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532028 donor id: 2847. origin: Egypt. collected: 1979. Salt  
tolerance. Spring Annual. Cultivated. Seed.
- PI 532029 donor id: 2849. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532030 donor id: 2850. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532031 donor id: 2855. origin: Egypt. collected: 1979.  
remarks: Plants short. Spring Annual. Cultivated.  
Seed.
- PI 532032 donor id: 2858. origin: Egypt. collected: 1979.  
remarks: Yield high. Spring Annual. Cultivated. Seed.
- PI 532033 donor id: 2862. origin: Egypt. collected: 1979. Spring  
Annual. Cultivated. Seed.
- PI 532034 donor id: 2865. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532035 donor id: 2867. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532036 donor id: 2871. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532037 donor id: 2875. origin: Egypt. collected: 1979. Salt  
tolerance. Spring Annual. Cultivated. Seed.

PI 531863 to 532046-continued

- PI 532038 donor id: 2877. origin: Egypt. collected: 1979.  
remarks: Tolerance to alkali soils. disease resistance:  
Leaf rust (*Puccinia recondita*). Salt tolerance. Spring  
Annual. Cultivated. Seed.
- PI 532039 donor id: 2882. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532040 donor id: 2895. origin: Egypt. collected: 1979.  
remarks: Plants short. Spring Annual. Cultivated.  
Seed.
- PI 532041 donor id: 2897. origin: Egypt. collected: 1979.  
remarks: Yield high. Tolerance to alkali soils. Salt  
tolerance. Spring Annual. Cultivated. Seed.
- PI 532042 donor id: 2898. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532043 donor id: 2899. origin: Egypt. collected: 1979.  
remarks: Plants short. disease resistance: Leaf rust  
(*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 532044 donor id: 2912. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532045 donor id: 2928. origin: Egypt. collected: 1979. Salt  
tolerance. Spring Annual. Cultivated. Seed.
- PI 532046 donor id: 2942. origin: Egypt. collected: 1979. Salt  
tolerance. Spring Annual. Cultivated. Seed.

PI 532047 to 532148. *Triticum aestivum* L. POACEAE Common wheat

Donated by: Abdalla, F.H., Department of Agronomy, Faculty of  
Agriculture, University of Assiut, Assiut, Egypt. remarks: Received  
through J.G. Moseman, Germplasm Quality and Enhancement Lab.,  
USDA-ARS, Beltsville, Maryland. Accessions collected through  
Research Project EG-ARS-77 "Collection and Evaluation of Cereal  
Germplasm in Egypt". Received May 4, 1988.

- PI 532047 donor id: 5. origin: Egypt. collected: 1979. locality:  
El Hussainia-Sharkia. disease resistance: Powdery mildew  
(*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 532048 donor id: 25. origin: Egypt. collected: 1979.  
locality: El Hussainia-Sharkia. remarks: Yield high.  
Protein content low. Spring Annual. Cultivated. Seed.

PI 532047 to 532148-continued

- PI 532049 **donor id:** 34. **origin:** Egypt. **collected:** 1979.  
**locality:** El Hussainia-Sharkia. **remarks:** Protein content low. **disease resistance:** Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532050 **donor id:** 35. **origin:** Egypt. **collected:** 1979.  
**locality:** El Hussainia-Sharkia. **remarks:** Plants short.  
**disease resistance:** Leaf rust (*Puccinia vecondiata*).  
Powdery mildew (*Erysiphe graminis*). Spring Annual.  
Cultivated. Seed.
- PI 532051 **donor id:** 42. **origin:** Egypt. **collected:** 1979.  
**locality:** El Hussainia-Sharkia. **remarks:** Plants short.  
Protein content low. Spring Annual. Cultivated. Seed.
- PI 532052 **donor id:** 89. **origin:** Egypt. **collected:** 1979.  
**locality:** Belbais-Sharkia. **disease resistance:** Leaf rust  
(*Puccinia recondita*). Powdery mildew (*Erysiphe*  
*graminis*). Spring Annual. Cultivated. Seed.
- PI 532053 **donor id:** 96. **origin:** Egypt. **collected:** 1979.  
**locality:** Belbais-Sharkia. **disease resistance:** Powdery  
mildew (*Erysiphe graminis*). Spring Annual. Cultivated.  
Seed.
- PI 532054 **donor id:** 98. **origin:** Egypt. **collected:** 1979.  
**locality:** Belbais-Sharkia. **disease resistance:** Powdery  
mildew (*Erysiphe graminis*). Leaf rust (*Puccinia*  
*recondita*). Spring Annual. Cultivated. Seed.
- PI 532055 **donor id:** 133. **origin:** Egypt. **collected:** 1979. **disease**  
**resistance:** Leaf rust (*Puccinia recondita*). Spring  
Annual. Cultivated. Seed.
- PI 532056 **donor id:** 163. **origin:** Egypt. **collected:** 1979.  
**remarks:** Protein content low. Spring Annual.  
Cultivated. Seed.
- PI 532057 **donor id:** 201. **origin:** Egypt. **collected:** 1979. **disease**  
**resistance:** Leaf rust (*Puccinia recondita*). Spring  
Annual. Cultivated. Seed.
- PI 532058 **donor id:** 210. **origin:** Egypt. **collected:** 1979. **disease**  
**resistance:** Leaf rust (*Puccinia recondita*). Spring  
Annual. Cultivated. Seed.
- PI 532059 **donor id:** 260. **origin:** Egypt. **collected:** 1979.  
**remarks:** Yield high. **disease resistance:** Leaf rust  
(*Puccinia recondita*). Powdery mildew (*Erysiphe*  
*graminis*). Spring Annual. Cultivated. Seed.

PI 532047 to 532148-continued

- PI 532060 **donor id:** 545. **origin:** Egypt. **collected:** 1979.  
**remarks:** Protein content high. Spring Annual.  
Cultivated. Seed.
- PI 532061 **donor id:** 633. **origin:** Egypt. **collected:** 1979.  
**locality:** El Sanbeloen-Dakahlia. **disease resistance:**  
Leaf rust (*Puccinia recondita*). Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532062 **donor id:** 668. **origin:** Egypt. **collected:** 1979.  
**locality:** El Shobic-Sharkia. **disease resistance:** Powdery  
mildew (*Erysiphe graminis*). Spring Annual. Cultivated.  
Seed.
- PI 532063 **donor id:** 721. **origin:** Egypt. **collected:** 1979.  
**locality:** El Zagzag-Sharkia. **remarks:** Protein content  
high. **disease resistance:** Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532064 **donor id:** 830. **origin:** Egypt. **collected:** 1979. **disease  
resistance:** Leaf rust (*Puccinia recondita*). Spring  
Annual. Cultivated. Seed.
- PI 532065 **donor id:** 852. **origin:** Egypt. **collected:** 1979.  
**locality:** El Mahala-Garbia. **remarks:** Protein content  
high. **disease resistance:** Leaf rust (*Puccinia recondita*).  
Salt tolerance. Spring Annual. Cultivated.  
Seed.
- PI 532066 **donor id:** 876. **origin:** Egypt. **collected:** 1979.  
**locality:** Agi-Dakahlia. **disease resistance:** Leaf rust  
(*Puccinia recondita*). Salt tolerance. Spring Annual.  
Cultivated. Seed.
- PI 532067 **donor id:** 907. **origin:** Egypt. **collected:** 1979.  
**locality:** El Santa-Garbia. **disease resistance:** Leaf rust  
(*Puccinia recondita*). Salt tolerance. Spring Annual.  
Cultivated. Seed.
- PI 532068 **donor id:** 920. **origin:** Egypt. **collected:** 1979.  
**locality:** Quto-Garbia. **disease resistance:** Leaf rust  
(*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 532069 **donor id:** 948. **origin:** Egypt. **collected:** 1979. **disease  
resistance:** Leaf rust (*Puccinia recondita*). Spring  
Annual. Cultivated. Seed.
- PI 532070 **donor id:** 1014. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.

PI 532047 to 532148-continued

- PI 532071 donor id: 1045. origin: Egypt. collected: 1979.  
locality: Kafer El-Skeikh-Kafer El-Sheikh. disease  
resistance: Leaf rust (*Puccinia recondita*). Spring  
Annual. Cultivated. Seed.
- PI 532072 donor id: 1162. origin: Egypt. collected: 1979.  
locality: Talkh-Dakahlia. disease resistance: Leaf rust  
(*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 532073 donor id: 1206. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532074 donor id: 1216. origin: Egypt. collected: 1979.  
locality: Balteem-Kafer El-Sheikh. disease resistance:  
Leaf rust (*Puccinia recondita*). Spring Annual.  
Cultivated. Seed.
- PI 532075 donor id: 1221. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532076 donor id: 1230. origin: Egypt. collected: 1979.  
locality: Belkas-Dakahlia. disease resistance: Leaf rust  
(*Puccinia recondita*). Salt tolerance. Spring Annual.  
Cultivated. Seed.
- PI 532077 donor id: 1245. origin: Egypt. collected: 1979. Salt  
tolerance. Spring Annual. Cultivated. Seed.
- PI 532078 donor id: 1263. origin: Egypt. collected: 1979.  
locality: Kafer Said-Dumiat. disease resistance: Leaf  
rust (*Puccinia recondita*). Powdery mildew (*Erysiphe*  
*graminis*). Spring Annual. Cultivated. Seed.
- PI 532079 donor id: 1295. origin: Egypt. collected: 1979.  
locality: Agi-Dakahlia. disease resistance: Leaf rust  
(*Puccinia recondita*). Powdery mildew (*Erysiphe*  
*graminis*). Spring Annual. Cultivated. Seed.
- PI 532080 donor id: 1325. origin: Egypt. collected: 1979.  
locality: Agi-Dakahlia. remarks: Protein content high.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Salt tolerance. Spring Annual. Cultivated. Seed.
- PI 532081 donor id: 1337. origin: Egypt. collected: 1979.  
locality: Agi-Dakahlia. disease resistance: Powdery  
mildew (*Erysiphe graminis*). Leaf rust (*Puccinia*  
*recondita*). Salt tolerance. Spring Annual. Cultivated.  
Seed.



PI 532047 to 532148-continued

- PI 532082 **donor id:** 1360. **origin:** Egypt. **collected:** 1979.  
**locality:** Agi-Dakahlia. **remarks:** Plants short. Protein  
content high. **disease resistance:** Powdery mildew  
(Erysiphe graminis). Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 532083 **donor id:** 1437. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 532084 **donor id:** 1444. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 532085 **donor id:** 1479. **origin:** Egypt. **collected:** 1979.  
**locality:** Koem Hamada-Behera. **disease resistance:** Leaf  
rust (Puccinia recondita). Powdery mildew (Erysiphe  
graminis). Spring Annual. Cultivated. Seed.
- PI 532086 **donor id:** 1625. **origin:** Egypt. **collected:** 1979.  
**remarks:** Protein content low. Spring Annual.  
Cultivated. Seed.
- PI 532087 **donor id:** 1654. **origin:** Egypt. **collected:** 1979.  
**locality:** Hosh Essa-Behera. **disease resistance:** Leaf  
rust (Puccinia recondita). Spring Annual. Cultivated.  
Seed.
- PI 532088 **donor id:** 1695. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo El-Matamer-Behera. **disease resistance:**  
Leaf rust (Puccinia recondita). Powdery mildew (Erysiphe  
graminis). Spring Annual. Cultivated. Seed.
- PI 532089 **donor id:** 1709. **origin:** Egypt. **collected:** 1979.  
**locality:** Abo El-Matamer-Behera. **disease resistance:**  
Leaf rust (Puccinia recondita). Powdery mildew (Erysiphe  
graminis). Spring Annual. Cultivated. Seed.
- PI 532090 **donor id:** 1770. **origin:** Egypt. **collected:** 1979.  
**disease resistance:** Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 532091 **donor id:** 1845. **origin:** Egypt. **collected:** 1979.  
**remarks:** Plants short. Spring Annual. Cultivated.  
Seed.
- PI 532092 **donor id:** 1906. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Mohamodia-Behera. **disease resistance:** Leaf  
rust (Puccinia recondita). Spring Annual. Cultivated.  
Seed.

PI 532047 to 532148-continued

- PI 532093 **donor id:** 1920. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Mohamodia-Behera. **disease resistance:**  
Powdery mildew (*Erysiphe graminis*). Spring Annual.  
Cultivated. Seed.
- PI 532094 **donor id:** 1924. **origin:** Egypt. **collected:** 1979.  
**locality:** El-Mohamodia-Behera. **remarks:** Yield high.  
**disease resistance:** Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532095 **donor id:** 1935. **origin:** Egypt. **collected:** 1979.  
**locality:** Rasheid-Behera. **remarks:** Yield high. **disease**  
**resistance:** Powdery mildew (*Erysiphe graminis*). Spring  
Annual. Cultivated. Seed.
- PI 532096 **donor id:** 1938. **origin:** Egypt. **collected:** 1979.  
**locality:** Rasheid-Behera. **remarks:** Protein content high.  
**disease resistance:** Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532097 **donor id:** 1946. **origin:** Egypt. **collected:** 1979.  
**locality:** Kalub-Kalubia. **remarks:** Yield high. **disease**  
**resistance:** Powdery mildew (*Erysiphe graminis*). Spring  
Annual. Cultivated. Seed.
- PI 532098 **donor id:** 1963. **origin:** Egypt. **collected:** 1979.  
**locality:** Kalub-Kalubia. **remarks:** Yield high. **disease**  
**resistance:** Powdery mildew (*Erysiphe graminis*). Spring  
Annual. Cultivated. Seed.
- PI 532099 **donor id:** 1987. **origin:** Egypt. **collected:** 1979.  
**locality:** Kalub-Kalubia. **remarks:** Yield high. **disease**  
**resistance:** Powdery mildew (*Erysiphe graminis*). Spring  
Annual. Cultivated. Seed.
- PI 532100 **donor id:** 1992. **origin:** Egypt. **collected:** 1979.  
**locality:** Kalub-Kalubia. **remarks:** Yield high. **disease**  
**resistance:** Powdery mildew (*Erysiphe graminis*). Spring  
Annual. Cultivated. Seed.
- PI 532101 **donor id:** 2023. **origin:** Egypt. **collected:** 1979.  
**locality:** Toekh-Kalubia. **disease resistance:** Powdery  
mildew (*Erysiphe graminis*). Leaf rust (*Puccinia*  
*recondita*). Spring Annual. Cultivated. Seed.
- PI 532102 **donor id:** 2037. **origin:** Egypt. **collected:** 1979.  
**locality:** Toekh-Kalubia. **remarks:** Yield high. **disease**  
**resistance:** Powdery mildew (*Erysiphe graminis*). Leaf  
rust (*Puccinia recondita*). Spring Annual. Cultivated.  
Seed.

PI 532047 to 532148-continued

- PI 532103 **donor id:** 2046. **origin:** Egypt. **collected:** 1979.  
**locality:** Toekh-Kalubia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 532104 **donor id:** 2052. **origin:** Egypt. **collected:** 1979.  
**locality:** Toekh-Kalubia. **remarks:** Yield high. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 532105 **donor id:** 2121. **origin:** Egypt. **collected:** 1979.  
**locality:** Quesina-Menofia. **remarks:** Yield high. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Leaf rust (*Puccinia recondita*). Spring Annual. Cultivated. Seed.
- PI 532106 **donor id:** 2122. **origin:** Egypt. **collected:** 1979.  
**locality:** Quesina-Menofia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 532107 **donor id:** 2137. **origin:** Egypt. **collected:** 1979.  
**locality:** Eti El Barood-Behera. **remarks:** Maturity early. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 532108 **donor id:** 2168. **origin:** Egypt. **collected:** 1979.  
**locality:** El Bagor-Menofia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 532109 **donor id:** 2210. **origin:** Egypt. **collected:** 1979.  
**locality:** El Bagor-Menofia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 532110 **donor id:** 2220. **origin:** Egypt. **collected:** 1979.  
**locality:** Ashmon-Menofia. **disease resistance:** Powdery mildew (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 532111 **donor id:** 2227. **origin:** Egypt. **collected:** 1979.  
**locality:** Ashmon-Menofia. **remarks:** Plants short. **disease resistance:** Leaf rust (*Erysiphe graminis*). Spring Annual. Cultivated. Seed.
- PI 532112 **donor id:** 2263. **origin:** Egypt. **collected:** 1979.  
**locality:** Ashmon-Menofia. **remarks:** Yield high. Spring Annual. Cultivated. Seed.

PI 532047 to 532148-continued

- PI 532113 donor id: 2323. origin: Egypt. collected: 1979.  
locality: Ashmon-Menofia. disease resistance: Leaf rust  
(Puccinia recondita). Powdery mildew (Erysiphe  
graminis). Spring Annual. Cultivated. Seed.
- PI 532114 donor id: 2335. origin: Egypt. collected: 1979.  
locality: Ashmon-Menofia. disease resistance: Leaf rust  
(Puccinia recondita). Powdery mildew (Erysiphe  
graminis). Spring Annual. Cultivated. Seed.
- PI 532115 donor id: 2345. origin: Egypt. collected: 1979.  
locality: El Bagor-Menofia. remarks: Yield high.  
disease resistance: Leaf rust (Puccinia recondita).  
Spring Annual. Cultivated. Seed.
- PI 532116 donor id: 2355. origin: Egypt. collected: 1979.  
locality: El Bagor-Menofia. disease resistance: Powdery  
mildew (Erysiphe graminis). Spring Annual. Cultivated.  
Seed.
- PI 532117 donor id: 2369. origin: Egypt. collected: 1979.  
locality: Menof-Menofia. disease resistance: Powdery  
mildew (Erysiphe graminis). Spring Annual. Cultivated.  
Seed.
- PI 532118 donor id: 2395. origin: Egypt. collected: 1979.  
locality: El Bagor-Menofia. disease resistance: Powdery  
mildew (Erysiphe graminis). Spring Annual. Cultivated.  
Seed.
- PI 532119 donor id: 2515. origin: Egypt. collected: 1979.  
locality: Menof-Menofia. disease resistance: Powdery  
mildew (Erysiphe graminis). Leaf rust (Puccinia  
recondita). Spring Annual. Cultivated. Seed.
- PI 532120 donor id: 2523. origin: Egypt. collected: 1979.  
locality: Menof-Menofia. disease resistance: Powdery  
mildew (Erysiphe graminis). Spring Annual. Cultivated.  
Seed.
- PI 532121 donor id: 2628. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (Erysiphe graminis).  
Leaf rust (Puccinia vecondita). Spring Annual.  
Cultivated. Seed.
- PI 532122 donor id: 2635. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (Erysiphe graminis).  
Leaf rust (Puccinia recondita). Spring Annual.  
Cultivated. Seed.

PI 532047 to 532148-continued

- PI 532123 donor id: 2643. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532124 donor id: 2644. origin: Egypt. collected: 1979.  
locality: Eti El-Barood-Begera. remarks: Yield high.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532125 donor id: 2720. origin: Egypt. collected: 1979.  
remarks: Yield high. Spring Annual. Cultivated. Seed.
- PI 532126 donor id: 2730. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532127 donor id: 2731. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532128 donor id: 2736. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532129 donor id: 2746. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532130 donor id: 2749. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532131 donor id: 2753. origin: Egypt. collected: 1979.  
remarks: Yield high. Spring Annual. Cultivated. Seed.
- PI 532132 donor id: 2762. origin: Egypt. collected: 1979.  
remarks: Yield high. Salt tolerance. Spring Annual.  
Cultivated. Seed.
- PI 532133 donor id: 2763. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532134 donor id: 2765. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532135 donor id: 2768. origin: Egypt. collected: 1979.  
remarks: Yield high. Spring Annual. Cultivated. Seed.
- PI 532136 donor id: 2783. origin: Egypt. collected: 1979.  
remarks: Yield high. Spring Annual. Cultivated. Seed.

PI 532047 to 532148-continued

- PI 532137 donor id: 2785. origin: Egypt. collected: 1979.  
remarks: Protein content high. Spring Annual.  
Cultivated. Seed.
- PI 532138 donor id: 2786. origin: Egypt. collected: 1979.  
remarks: Protein content high. disease resistance:  
Powdery mildew (*Erysiphe graminis*). Spring Annual.  
Cultivated. Seed.
- PI 532139 donor id: 2787. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532140 donor id: 2793. origin: Egypt. collected: 1979.  
remarks: Yield high. Spring Annual. Cultivated. Seed.
- PI 532141 donor id: 2794. origin: Egypt. collected: 1979. Salt  
tolerance. Spring Annual. Cultivated. Seed.
- PI 532142 donor id: 2797. origin: Egypt. collected: 1979. Salt  
tolerance. Spring Annual. Cultivated. Seed.
- PI 532143 donor id: 2799. origin: Egypt. collected: 1979.  
remarks: Plants short. Spring Annual. Cultivated.  
Seed.
- PI 532144 donor id: 2803. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532145 donor id: 2807. origin: Egypt. collected: 1979.  
disease resistance: Leaf rust (*Puccinia recondita*).  
Spring Annual. Cultivated. Seed.
- PI 532146 donor id: 2809. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532147 donor id: 2815. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.
- PI 532148 donor id: 2818. origin: Egypt. collected: 1979.  
disease resistance: Powdery mildew (*Erysiphe graminis*).  
Spring Annual. Cultivated. Seed.

PI 532149 to 532150. *Triticum aestivum* L. POACEAE Common wheat

**Donated by:** Busch, R.H., USDA-ARS, Dept. of Agronomy and Plant Genetics, University of Minnesota, St. Paul, Minnesota, United States. **remarks:** Developed and released cooperatively by USDA-ARS and the Minnesota Agricultural Experiment Station on April 7, 1989. Received May 09, 1989.

PI 532149 **donor id:** MN81110. **origin:** United States. **cultivar:** MINNPRO. **other id:** CV-751. **group:** CSR-WHEAT. **other id:** PVP 9000060. **source:** Pending. **group:** PVPO. **locality:** MN72299(high protein line)/MN74115(good agronomic traits). **remarks:** Hard red type with very high protein content and excellent bread-making characteristics. Moderately susceptible to loose smut (*Ustilago tritici*). **disease resistance:** Stem rust (*Puccinia graminis* f. sp. *tritici*). Leaf rust (*P. recondita*). Spring Annual. Cultivar. Seed.

PI 532150 **donor id:** MN82354. **origin:** United States. **cultivar:** VANCE. **pedigree:** ND560/MN7595. **other id:** CV-752. **group:** CSR-WHEAT. **other id:** PVP 9000071. **source:** Pending. **group:** PVPO. **remarks:** Hard red type with improved leaf and stem rust resistance, 0.5% increase in protein content, and superior bread-making characteristics. Yield high. **disease resistance:** Stem rust (*Puccinia graminis* f. sp. *tritici*). Leaf rust (*P. recondita*). Moderate to loose smut (*Ustilago tritici*)& leaf spotting dis. Spring Annual. Cultivar. Seed.

PI 532151 to 532152. *Amaranthus* sp. AMARANTHACEAE

**Donated by:** Guarino, L., IBPGR, Rome, Italy. **remarks:** Received through IBPGR. Received July 6, 1987.

PI 532151 **donor id:** 7273. **origin:** Oman. **collected:** June 7, 1987. **collector:** L. Guarino. **collector id:** 7273. **locality:** Farmland, 25km SE of Ibra, Sharqiya. **latitude:** 22 deg. 30 min. N. **longitude:** 58 deg. 40 min. E. **elevation:** 300m. **remarks:** Irrigated. Used as a vegetable. Primitive Cultivar. Seed.

PI 532152 **donor id:** 7313. **origin:** Oman. **local name:** Barbir. **collected:** June 11, 1987. **collector:** L. Guarino. **collector id:** 7313. **locality:** Farmstore, Al Wafi, Jaalan & Sur Province. **latitude:** 22 deg. 10 min. N. **longitude:** 59 deg. 10 min. E. **elevation:** 200m. **remarks:** Possibly a recent introduction from India. Irrigated. Used for food. Primitive Cultivar. Seed.

PI 532153 to 532158. Cucumis melo L. CUCURBITACEAE

**Donated by:** Guarino, L., IBPGR, Rome, Italy. **remarks:** Received through IBPGR. Received July 6, 1987.

PI 532153 **donor id:** 7267. **origin:** Oman. **collected:** June 7, 1987. **collector:** L. Guarino. **collector id:** 7267. **locality:** Farmland, 15km S of Ibra, Sharqiya Province. **latitude:** 22 deg. 30 min. N. **longitude:** 58 deg. 40 min. E. **elevation:** 400m. **remarks:** Irrigated. Used for food. Primitive Cultivar. Seed.

PI 532154 **donor id:** 7295. **origin:** Oman. **collected:** June 10, 1987. **collector:** L. Guarino. **collector id:** 7295. **locality:** Farmstore, Samad, Sharqiya Province. **latitude:** 22 deg. 50 min. N. **longitude:** 58 deg. 10 min. E. **elevation:** 600m. **remarks:** Irrigated. Used for food. Primitive Cultivar. Seed.

PI 532155 **donor id:** 7309. **origin:** Oman. **collected:** June 11, 1987. **collector:** L. Guarino. **collector id:** 7309. **locality:** Farmland, Al Wafi, Jaalan & Sur Province. **latitude:** 22 deg. 10 min. N. **longitude:** 59 deg. 10 min. E. **elevation:** 200m. **remarks:** Irrigated. Used for food. Primitive Cultivar. Seed.

PI 532156 **donor id:** 7437. **origin:** Oman. **collected:** June 29, 1987. **collector:** L. Guarino. **collector id:** 7437. **locality:** Farmstore, 25km N of Birkat Al Mawz, Jebel Akhdar Province. **latitude:** 23 deg. 10 min. N. **longitude:** 57 deg. 40 min. E. **elevation:** 1800m. **remarks:** Irrigated. Used for food. Primitive Cultivar. Seed.

PI 532157 **donor id:** 7458. **origin:** Oman. **collected:** July 7, 1987. **collector:** L. Guarino. **collector id:** 7458. **locality:** Farmland, Bayah, Musandam Province. **latitude:** 25 deg. 40 min. N. **longitude:** 56 deg. 20 min. E. **elevation:** 50m. **remarks:** Irrigated. Used for food. Primitive Cultivar. Seed.

PI 532158 **donor id:** 7471. **origin:** Oman. **collected:** July 9, 1987. **collector:** L. Guarino. **collector id:** 7471. **locality:** Farmstore, 50km N of Bayah, Musandam Province. **latitude:** 25 deg. 50 min. N. **longitude:** 56 deg. 20 min. E. **elevation:** 400m. **remarks:** Irrigated. Used for food. Primitive Cultivar. Seed.

PI 532159 to 532163. Cucumis sativus L. CUCURBITACEAE Cucumber

**Donated by:** Guarino, L., IBPGR, Rome, Italy. **remarks:** Received through IBPGR. Received July 6, 1987.



PI 532159 to 532163-continued

PI 532159 donor id: 7194. origin: Oman. collected: May 11, 1987. collector: L. Guarino. collector id: 7194. locality: Farmstore, 20km NW of Marbat, Southern Province. latitude: 17 deg. 10 min. N. longitude: 54 deg. 40 min. E. elevation: 500m. remarks: Rain-fed subsistence. Used for food. Primitive Cultivar. Seed.

PI 532160 donor id: 7209. origin: Oman. local name: Ahsebe. collected: May 13, 1987. collector: L. Guarino. collector id: 7209. locality: Farmstore, 5km N of Taqa, Southern Province. latitude: 17 deg. 10 min. N. longitude: 54 deg. 30 min. E. elevation: 350m. remarks: Rain-fed subsistence. Used for food. Primitive Cultivar. Seed.

PI 532161 donor id: 7212. origin: Oman. collected: May 13, 1987. collector: L. Guarino. collector id: 7212. locality: Farmstore, 10km W of Madinat al Haq, Southern Province. latitude: 17 deg. 10 min. N. longitude: 54 deg. 20 min. E. elevation: 550m. remarks: Hilltop. Rain-fed subsistence. Used for food. Primitive Cultivar. Seed.

PI 532162 donor id: 7222. origin: Oman. local name: Ahsebe. collected: May 14, 1987. collector: L. Guarino. collector id: 7222. locality: Farmstore, 20km N of Salalah, Southern Province. latitude: 17 deg. 20 min. N. longitude: 54 deg. 10 min. E. elevation: 400m. remarks: Rain-fed subsistence. Used for food. Primitive Cultivar. Seed.

PI 532163 donor id: 7225. origin: Oman. local name: Ahsebe. collected: May 14, 1987. collector: L. Guarino. collector id: 7225. locality: Farmstore, 15km NW of Salalah, Southern Province. latitude: 17 deg. 10 min. N. longitude: 54 deg. 00 min. E. elevation: 250m. remarks: Rain-fed subsistence. Used for food. Primitive Cultivar. Seed.

PI 532164 to 532170. *Lablab purpureus* (L.) Sweet FABACEAE Lablab bean

Donated by: Guarino, L., IBPGR, Rome, Italy. remarks: Received through IBPGR. Received July 6, 1987.

PI 532164 donor id: 7058. origin: Oman. collected: April 22, 1987. collector: L. Guarino. collector id: 7058. locality: Farmstore, 10km NNE of Al Ayshi, Interior Province. latitude: 23 deg. 10 min. N. longitude: 57 deg. 10 min. E. elevation: 500m. remarks: Irrigated. Used for food. Primitive Cultivar. Seed.

PI 532164 to 532170-continued

- PI 532165 donor id: 7129. origin: Oman. local name: Mohbel.  
collected: April 29, 1987. collector: L. Guarino.  
collector id: 7129. locality: Farmland, 5km N of Nizwa,  
Interior Province. latitude: 22 deg. 50 min. N.  
longitude: 57 deg. 30 min. E. elevation: 400m.  
remarks: Irrigated. Primitive Cultivar. Seed.
- PI 532166 donor id: 7147. origin: Oman. local name: Lubia.  
collected: May 4, 1987. collector: L. Guarino, T.E.  
Yassin. collector id: 7147. locality: Research  
Department, Ministry of Agriculture, Jebel Dhofar,  
Southern Province. latitude: 17 deg. 00 min. N.  
longitude: 54 deg. 00 min. E. elevation: >300m.  
remarks: Seeds brown. Pods used as green vegetable.  
Possibly of Indian origin. Rain-fed subsistence.  
Primitive Cultivar. Seed.
- PI 532167 donor id: 7150. origin: Oman. local name: Lubia.  
collected: May 4, 1987. collector: L. Guarino, T.E.  
Yassin. collector id: 7150. locality: Research  
Department, Ministry of Agriculture, Jebel Dhofar,  
Southern Province. latitude: 17 deg. 00 min. N.  
longitude: 54 deg. 00 min. E. remarks: Seeds black.  
Pods used as green vegetable. Possibly introduced.  
Primitive Cultivar. Seed.
- PI 532168 donor id: 7183. origin: Oman. collected: May 9, 1987.  
collector: L. Guarino. collector id: 7183. locality:  
Research farm, 30km N of Salalah, Southern Province.  
latitude: 17 deg. 20 min. N. longitude: 54 deg. 10 min.  
E. elevation: 750m. remarks: Edible green pods.  
Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532169 donor id: 7250. origin: Oman. collected: June 6, 1987.  
collector: L. Guarino. collector id: 7250. locality:  
Farmstore, 20km N of Sanaw, Sharqiya Province. latitude:  
22 deg. 40 min. N. longitude: 58 deg. 00 min. E.  
elevation: 400m. remarks: Irrigated. Used for food.  
Primitive Cultivar. Seed.
- PI 532170 donor id: 7460. origin: Oman. local name: Mohbel.  
collected: July 7, 1987. collector: L. Guarino.  
collector id: 7460. locality: Farmstore, Bayah, Musandam  
Province. latitude: 25 deg. 40 min. N. longitude: 56  
deg. 20 min. E. elevation: 50m. remarks: Irrigated.  
Used for food. Primitive Cultivar. Seed.

PI 532171 to 532173. *Gossypium herbaceum* L. MALVACEAE

Donated by: Guarino, L., IBPGR, Rome, Italy. remarks: Received  
through IBPGR. Received July 6, 1987.

PI 532171 to 532173-continued

PI 532171 donor id: 7121. origin: Oman. collected: April 29, 1987. collector: L. Guarino. collector id: 7121. locality: Backyard, 5km N of Nizwa, Interior Province. latitude: 22 deg. 50 min. N. longitude: 57 deg. 30 min. E. elevation: 400m. remarks: Plants weedy. Irrigated. Used for fiber. Cultivated. Seed.

PI 532172 donor id: 7255. origin: Oman. collected: June 6, 1987. collector: L. Guarino. collector id: 7255. locality: Backyard, 20km N of Sanau, Shanqiya Province. latitude: 22 deg. 40 min. N. longitude: 58 deg. 00 min. E. elevation: 400m. remarks: Plants weedy. Irrigated. Used for fiber. Cultivated. Seed.

PI 532173 donor id: 7386. origin: Oman. collected: June 22, 1987. collector: L. Guarino. collector id: 7386. locality: Farmstore, 35km S of Fabrin, Interior Province. latitude: 22 deg. 40 min. N. longitude: 57 deg. 20 min. E. elevation: 400m. remarks: Apparently grown in Adam. Irrigated. Used for fiber. Primitive Cultivar. Seed.

PI 532174 to 532179. *Pennisetum glaucum* (L.) R. Br. POACEAE Pearl millet

Donated by: Guarino, L., IBPGR, Rome, Italy. remarks: Received through IBPGR. Received July 6, 1987.

PI 532174 donor id: 7088. origin: Oman. local name: Musayblu. collected: April 26, 1987. collector: L. Guarino. collector id: 7088. locality: Farmstore, Yankul, Dhahirah Province. latitude: 23 deg. 40 min. N. longitude: 56 deg. 30 min. E. elevation: 500m. restricted: QUAR. remarks: Irrigated. Used for feed. received as: *P. americanum*. Primitive Cultivar. Seed.

PI 532175 donor id: 7137. origin: Oman. local name: Dohan. collected: April 30, 1987. collector: L. Guarino. collector id: 7137. locality: Farmstore, Izki, Interior Province. latitude: 22 deg. 50 min. N. longitude: 57 deg. 50 min. E. elevation: 400m. restricted: QUAR. remarks: Irrigated. Used for food and feed. received as: *P. americanum*. Primitive Cultivar. Seed.

PI 532176 donor id: 7143. origin: Oman. local name: Basin. collected: April 30, 1987. collector: L. Guarino. collector id: 7143. locality: Farmstore, Izki, Interior Province. latitude: 22 deg. 50 min. N. longitude: 57 deg. 50 min. E. elevation: 400m. restricted: QUAR. remarks: Irrigated. Used for feed. received as: *P. americanum*. Primitive Cultivar. Seed.

PI 532174 to 532179-continued

- PI 532177 donor id: 7161. origin: Oman. local name: Museblu. collected: May 4, 1987. collector: L. Guarino, T.E. Yassin. collector id: 7161. locality: Research Department, Ministry of Agriculture, Salalah, Southern Province. latitude: 17 deg. 00 min. N. longitude: 54 deg. 10 min. E. restricted: QUAR. remarks: Irrigated. Used for food and feed. received as: *P. americanum*. Primitive Cultivar. Seed.
- PI 532178 donor id: 7168. origin: Oman. collected: May 6, 1987. collector: L. Guarino. collector id: 7168. locality: Veterinary Research Station, Salalah, Southern Province. latitude: 17 deg. 00 min. N. longitude: 54 deg. 10 min. E. restricted: QUAR. remarks: Irrigated. Used for feed. received as: *P. americanum*. Primitive Cultivar. Seed.
- PI 532179 donor id: 7337. origin: Oman. local name: Basri. collected: June 17, 1987. collector: L. Guarino. collector id: 7337. locality: Farmland, Barka, South Batinah Province. latitude: 23 deg. 40 min. N. longitude: 57 deg. 50 min. E. restricted: QUAR. remarks: Irrigated. Two plants. Used for food. received as: *P. americanum*. Primitive Cultivar. Seed.

PI 532180. *Pennisetum purpureum* Schumach. POACEAE Elephant grass

Donated by: Guarino, L., IBPGR, Rome, Italy. remarks: Received through IBPGR. Received July 6, 1987.

donor id: 7253. origin: Oman. collected: June 6, 1987. collector: L. Guarino. collector id: 7253. locality: Farmland, 20km N of Sanaw, Sharqiya Province. latitude: 22 deg. 40 min. N. longitude: 58 deg. 00 min. E. elevation: 400m. restricted: QUAR. remarks: Irrigated. Used for feed. Primitive Cultivar. Seed.

PI 532181 to 532235. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Guarino, L., IBPGR, Rome, Italy. remarks: Received through IBPGR. Received July 6, 1987.

PI 532181 donor id: 7018. origin: Oman. local name: Dhurra. collected: April 20, 1987. collector: L. Guarino. collector id: 7018. locality: Farmstore, 2km E of Bahla, Interior Province. latitude: 23 deg. 00 min. N. longitude: 57 deg. 20 min. E. elevation: 500m. restricted: QUAR. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.

PI 532181 to 532235-continued

- PI 532182 donor id: 7021. origin: Oman. local name: Dhurra.  
collected: April 21, 1987. collector id: 7021.  
locality: Farmstore, 2km NE of Al Hamra, Interior  
Province. latitude: 23 deg. 10 min. N. longitude: 57  
deg. 20 min. E. elevation: 500m. restricted: QUAR.  
remarks: Irrigated. Used for food and feed. Primitive  
Cultivar. Seed.
- PI 532183 donor id: 7033. origin: Oman. local name: Dhurra.  
collected: April 21, 1987. collector: L. Guarino.  
collector id: 7033. locality: Farmland, Al Hamra,  
Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 20 min. E. elevation: 500m.  
restricted: QUAR. remarks: Irrigated. Used for food and  
feed. Primitive Cultivar. Seed.
- PI 532184 donor id: 7048. origin: Oman. local name: Dhurra hamra.  
collected: April 22, 1987. collector: L. Guarino.  
collector id: 7048. locality: Farmstore, 6km N of Al  
Ayshi, Interior Province. latitude: 23 deg. 00 min. N.  
longitude: 57 deg. 10 min. E. elevation: 500m.  
restricted: QUAR. remarks: Irrigated. Seeds red. Used  
for food and feed. Primitive Cultivar. Seed.
- PI 532185 donor id: 7056. origin: Oman. local name: Dhurra.  
collected: April 22, 1987. collector: L. Guarino.  
collector id: 7056. locality: Farmstore, 8km N of Al  
Ayshi, Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 10 min. E. elevation: 500m.  
restricted: QUAR. remarks: Irrigated. Seeds white. Used  
for food and feed. Primitive Cultivar. Seed.
- PI 532186 donor id: 7069. origin: Oman. local name: Dhurra.  
collected: April 23, 1987. collector: L. Guarino.  
collector id: 7069. locality: Farmstore, 20km SE of  
Nizwa, Interior Province. latitude: 22 deg. 50 min. N.  
longitude: 57 deg. 40 min. E. elevation: 350m.  
restricted: QUAR. remarks: Irrigated. Seeds brown. Used  
for food and feed. Primitive Cultivar. Seed.
- PI 532187 donor id: 7079. origin: Oman. local name: Dhurra.  
collected: April 25, 1987. collector: L. Guarino.  
collector id: 7079. locality: Farmstore, 15km NE of  
Ibri, Dhahirah Province. latitude: 23 deg. 20 min. N.  
longitude: 56 deg. 40 min. E. elevation: 300m.  
restricted: QUAR. remarks: Sown in winter. Irrigated.  
Used for food and feed. Primitive Cultivar. Seed.

- PI 532188 donor id: 7080. origin: Oman. local name: Dhurra. collected: April 25, 1987. collector: L. Guarino. collector id: 7080. locality: Farmstore, 15km NE of Ibri, Dhahirah Province. latitude: 23 deg. 20 min. N. longitude: 56 deg. 40 min. E. elevation: 300m. restricted: QUAR. remarks: Sown April-May. Irrigated. Used for food and feed. Primitive Cultivar. Seed.
- PI 532189 donor id: 7082. origin: Oman. local name: Dhurra. collected: April 25, 1987. collector: L. Guarino. collector id: 7082. locality: Farmstore, NE of Ibri, Dhahirah Province. latitude: 23 deg. 30 min. N. longitude: 56 deg. 40 min. E. elevation: 400m. restricted: QUAR. remarks: Irrigated. Sown in summer. Seeds white. Used for food and feed. Primitive Cultivar. Seed.
- PI 532190 donor id: 7083. origin: Oman. local name: Dhurra. collected: April 25, 1987. collector: L. Guarino. collector id: 7083. locality: Farmstore, 30km NE of Ibri, Dhahirah Province. latitude: 23 deg. 30 min. N. longitude: 56 deg. 40 min. E. elevation: 400m. restricted: QUAR. remarks: Irrigated. Seeds red. Used for food and feed. Primitive Cultivar. Seed.
- PI 532191 donor id: 7091. origin: Oman. local name: Dhurra. collected: April 26, 1987. collector: L. Guarino. collector id: 7091. locality: Farmstore, Yankul, Dhahirah Province. latitude: 23 deg. 40 min. N. longitude: 56 deg. 30 min. E. elevation: 500m. restricted: QUAR. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.
- PI 532192 donor id: 7097. origin: Oman. local name: Dhurra. collected: April 26, 1987. collector: L. Guarino. collector id: 7097. locality: Farmstore, 10km E of Dank, Dhahirah Province. latitude: 23 deg. 30 min. N. longitude: 56 deg. 20 min. E. elevation: 300m. restricted: QUAR. remarks: Irrigated. Seeds white. Used for food and feed. Primitive Cultivar. Seed.
- PI 532193 donor id: 7109. origin: Oman. local name: Dhurra. collected: April 28, 1987. collector: L. Guarino. collector id: 7109. locality: Farmland, Tanuf, Interior Province. latitude: 23 deg. 00 min. N. longitude: 57 deg. 30 min. E. elevation: 500m. restricted: QUAR. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.

PI 532181 to 532235-continued

- PI 532194 donor id: 7130. origin: Oman. local name: Dhurra hamra. collected: April 30, 1987. collector: L. Guarino. collector id: 7130. locality: Farmstore, Izki, Interior Province. latitude: 22 deg. 50 min. N. longitude: 57 deg. 50 min. E. elevation: 400m. restricted: QUAR. remarks: Irrigated. Seeds red. Used for food and feed. Primitive Cultivar. Seed.
- PI 532195 donor id: 7138. origin: Oman. local name: Dhurra. collected: April 30, 1987. collector: L. Guarino. collector id: 7138. locality: Farmstore, Izki, Interior Province. latitude: 22 deg. 50 min. N. longitude: 57 deg. 50 min. E. elevation: 400m. restricted: QUAR. remarks: Irrigated. Used for feed. Primitive Cultivar. Seed.
- PI 532196 donor id: 7144. origin: Oman. local name: Shar hamut. collected: May 4, 1987. collector: L. Guarino, T.E. Yassin. collector id: 7144. locality: Research Department, Ministry of Agriculture, 10km N of Taqa, Southern Province. latitude: 17 deg. 10 min. N. longitude: 54 deg. 30 min. E. elevation: >300m. restricted: QUAR. remarks: Rain-fed subsistence. Used for food. Primitive Cultivar. Seed.
- PI 532197 donor id: 7149. origin: Oman. local name: Dhurra. collected: May 4, 1987. collector: L. Guarino, T.E. Yassin. collector id: 7149. locality: Research Department, Ministry of Agriculture, 110km W of Salalah, Southern Province. latitude: 16 deg. 40 min. N. longitude: 53 deg. 10 min. E. elevation: >300m. restricted: QUAR. remarks: Rain-fed subsistence. Used for food and feed. Primitive Cultivar. Seed.
- PI 532198 donor id: 7171. origin: Oman. local name: Dhurra. collected: May 6, 1987. collector: L. Guarino. collector id: 7171. locality: Veterinary Research Station, Salalah, Southern Province. latitude: 17 deg. 00 min. N. longitude: 54 deg. 10 min. E. restricted: QUAR. remarks: Irrigated. Used for feed. Primitive Cultivar. Seed.
- PI 532199 donor id: 7177. origin: Oman. local name: Dhurra. collected: May 7, 1987. collector: L. Guarino. collector id: 7177. locality: Farmstore, Taqa, Southern Province. latitude: 17 deg. 00 min. N. longitude: 54 deg. 30 min. E. restricted: QUAR. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.

- PI 532200 donor id: 7197. origin: Oman. local name: Dhurra.  
collected: May 11, 1987. collector: L. Guarino.  
collector id: 7197. locality: Farmstore, 20km NW of  
Marbat, Southern Province. latitude: 17 deg. 10 min. N.  
longitude: 54 deg. 40 min. E. elevation: 500m.  
restricted: QUAR. remarks: Rain-fed subsistence. Used  
for food. Primitive Cultivar. Seed.
- PI 532201 donor id: 7200. origin: Oman. local name: Dhurra.  
collected: May 12, 1987. collector: L. Guarino.  
collector id: 7200. locality: Farmstore, 25km NW of  
Marbat, Southern Province. latitude: 17 deg. 10 min. N.  
longitude: 54 deg. 30 min. E. elevation: 500m.  
restricted: QUAR. remarks: Rain-fed subsistence. Used  
for food. Primitive Cultivar. Seed.
- PI 532202 donor id: 7202. origin: Oman. local name: Dhurra.  
collected: May 12, 1987. collector: L. Guarino.  
collector id: 7202. locality: Farmstore, 25km NW of  
Marbat, Southern Province. latitude: 17 deg. 10 min. N.  
longitude: 54 deg. 30 min. E. elevation: 400m.  
restricted: QUAR. remarks: Rain-fed subsistence. Used  
for food. Primitive Cultivar. Seed.
- PI 532203 donor id: 7205. origin: Oman. local name: Dhurra.  
collected: May 13, 1987. collector: L. Guarino.  
collector id: 7205. locality: Farmstore, 5km N of Taqa,  
Southern Province. latitude: 17 deg. 10 min. N.  
longitude: 54 deg. 30 min. E. elevation: 350m.  
restricted: QUAR. remarks: Rain-fed subsistence. Seeds  
mixed white and red. Used for food. Primitive Cultivar.  
Seed.
- PI 532204 donor id: 7208. origin: Oman. local name: Dhurra.  
collected: May 13, 1987. collector: L. Guarino.  
collector id: 7208. locality: Farmstore, 5km N of Taqa,  
Southern Province. latitude: 17 deg. 10 min. N.  
longitude: 54 deg. 30 min. E. elevation: 350m.  
restricted: QUAR. remarks: Rain-fed subsistence. Used  
for food. Primitive Cultivar. Seed.
- PI 532205 donor id: 7220. origin: Oman. local name: Dhurra.  
collected: May 14, 1987. collector: L. Guarino.  
collector id: 7220. locality: Farmstore, 20km N of  
Salalah, Southern Province. latitude: 17 deg. 20 min. N.  
longitude: 54 deg. 10 min. E. elevation: 400m.  
restricted: QUAR. remarks: Rain-fed subsistence. Used  
for food. Primitive Cultivar. Seed.



PI 532181 to 532235-continued

- PI 532206 donor id: 7227. origin: Oman. local name: Dhurra.  
collected: May 18, 1987. collector: L. Guarino.  
collector id: 7227. locality: Farmstore, 25km N of  
Salalah, Southern Province. latitude: 17 deg. 20 min. N.  
longitude: 54 deg. 00 min. E. elevation: 800m.  
restricted: QUAR. remarks: Rain-fed subsistence. Seeds  
mixed white and red. Used for food. Primitive Cultivar.  
Seed.
- PI 532207 donor id: 7228. origin: Oman. local name: Dhurra.  
collected: May 18, 1987. collector: L. Guarino.  
collector id: 7228. locality: Farmstore, 45km W of  
Mughsayl, Southern Province. latitude: 16 deg. 50 min.  
N. longitude: 53 deg. 30 min. E. elevation: 600m.  
restricted: QUAR. remarks: Rain-fed subsistence. Used  
for food. Primitive Cultivar. Seed.
- PI 532208 donor id: 7230. origin: Oman. local name: Dhurra.  
collected: May 26, 1987. collector: L. Guarino.  
collector id: 7230. locality: Farmstore, Nizwa, Interior  
Province. latitude: 22 deg. 50 min. N. longitude: 57  
deg. 30 min. E. elevation: 450m. restricted: QUAR.  
remarks: Irrigated. Used for feed. Primitive Cultivar.  
Seed.
- PI 532209 donor id: 7235. origin: Oman. local name: Dhurra.  
collected: May 26, 1987. collector: L. Guarino.  
collector id: 7235. locality: Farmstore, 5km S of Nizwa,  
Interior Province. latitude: 22 deg. 50 min. N.  
longitude: 57 deg. 30 min. E. elevation: 400m.  
restricted: QUAR. remarks: Irrigated. Used for feed.  
Primitive Cultivar. Seed.
- PI 532210 donor id: 7245. origin: Oman. local name: Dhurra.  
collected: June 2, 1987. collector: L. Guarino.  
collector id: 7245. locality: Farmstore, Nizwa, Interior  
Province. latitude: 22 deg. 50 min. N. longitude: 57  
deg. 30 min. E. elevation: 500m. restricted: QUAR.  
remarks: Irrigated. Seeds white. Used for feed.  
Primitive Cultivar. Seed.
- PI 532211 donor id: 7252. origin: Oman. local name: Dhurra.  
collected: June 6, 1987. collector: L. Guarino.  
collector id: 7252. locality: Farmstore, 20km N of  
Samaw, Shanqiya Province. latitude: 22 deg. 40 min. N.  
longitude: 58 deg. 00 min. E. elevation: 400m.  
restricted: QUAR. remarks: Irrigated. Used for food and  
feed. Primitive Cultivar. Seed.

- PI 532212 donor id: 7260. origin: Oman. local name: Dhurra.  
collected: June 6, 1987. collector: L. Guarino.  
collector id: 7260. locality: Farmstore, 10km NW of  
Mudaybi, Sharqiya Province. latitude: 22 deg. 30 min. N.  
longitude: 58 deg. 10 min. E. elevation: 400m.  
restricted: QUAR. remarks: Irrigated. Used for feed.  
Primitive Cultivar. Seed.
- PI 532213 donor id: 7279. origin: Oman. local name: Dhurra.  
collected: June 8, 1987. collector: L. Guarino.  
collector id: 7279. locality: Farmstore, grown under  
date palms, 2km S of Sur, Jaalam and Sur Province.  
latitude: 22 deg. 30 min. N. longitude: 59 deg. 30 min.  
E. elevation: 100m. restricted: QUAR. remarks:  
Irrigated. Seeds mixed white and red. Used for food and  
feed. Primitive Cultivar. Seed.
- PI 532214 donor id: 7283. origin: Oman. local name: Dhurra.  
collected: June 9, 1987. collector: L. Guarino.  
collector id: 7283. locality: Farmstore, 50km NW of  
Ibra, Eastern Hajar Province. latitude: 23 deg. 10 min.  
N. longitude: 58 deg. 20 min. E. elevation: 700m.  
restricted: QUAR. remarks: Irrigated. Used for feed.  
Primitive Cultivar. Seed.
- PI 532215 donor id: 7287. origin: Oman. local name: Dhurra.  
collected: June 9, 1987. collector: L. Guarino.  
collector id: 7287. locality: Farmstore, 40km N of Ibra,  
Eastern Hajar Province. latitude: 23 deg. 10 min. N.  
longitude: 58 deg. 30 min. E. elevation: 500m.  
restricted: QUAR. remarks: Irrigated. Used for feed.  
Primitive Cultivar. Seed.
- PI 532216 donor id: 7296. origin: Oman. local name: Dhurra.  
collected: June 10, 1987. collector: L. Guarino.  
collector id: 7296. locality: Farmstore, Samad, Sharqiya  
Province. latitude: 22 deg. 50 min. N. longitude: 58  
deg. 10 min. E. elevation: 600m. restricted: QUAR.  
remarks: Irrigated. Seeds red. Used for food and feed.  
Primitive Cultivar. Seed.
- PI 532217 donor id: 7302. origin: Oman. local name: Dhurra.  
collected: June 11, 1987. collector: L. Guarino.  
collector id: 7302. locality: Farmstore, Al Kamil,  
Jaan and Sur Province. latitude: 22 deg. 10 min. N.  
longitude: 59 deg. 10 min. E. elevation: 200m.  
restricted: QUAR. remarks: Irrigated. Used for feed.  
Primitive Cultivar. Seed.

PI 532181 to 532235-continued

- PI 532218 donor id: 7321. origin: Oman. local name: Dhurra.  
collected: June 15, 1987. collector: L. Guarino.  
collector id: 7321. locality: Farmland, 20km NW of  
Sohar, N. Batinah Province. latitude: 24 deg. 30 min. N.  
longitude: 56 deg. 40 min. E. elevation: 50m.  
restricted: QUAR. remarks: Irrigated. Used for food and  
feed. Primitive Cultivar. Seed.
- PI 532219 donor id: 7330. origin: Oman. local name: Dhurra.  
collected: June 16, 1987. collector: L. Guarino.  
collector id: 7330. locality: Farmstore, Rustaq, Western  
Hajar Province. latitude: 23 deg. 20 min. N. longitude:  
57 deg. 30 min. E. elevation: 300m. restricted: QUAR.  
remarks: Irrigated. Seeds white. Used for food and feed.  
Primitive Cultivar. Seed.
- PI 532220 donor id: 7332. origin: Oman. local name: Dhurra.  
collected: June 16, 1987. collector: L. Guarino.  
collector id: 7332. locality: Farmstore, Rustaq, Western  
Hajar Province. latitude: 23 deg. 20 min. N. longitude:  
57 deg. 30 min. E. elevation: 300m. restricted: QUAR.  
remarks: Irrigated. Seeds white. Used for food and feed.  
Primitive Cultivar. Seed.
- PI 532221 donor id: 7334. origin: Oman. local name: Dhurra.  
collected: June 17, 1987. collector: L. Guarino.  
collector id: 7334. locality: Farmstore, 15km W of  
Barka, S Batirah Province. latitude: 23 deg. 40 min. N.  
longitude: 57 deg. 40 min. E. elevation: 50m.  
restricted: QUAR. remarks: Irrigated. Used for food and  
feed. Primitive Cultivar. Seed.
- PI 532222 donor id: 7347. origin: Oman. local name: Dhurra.  
collected: June 20, 1987. collector: L. Guarino.  
collector id: 7347. locality: Farmstore, 15km W of  
Rustaq, Western Hajar Province. latitude: 23 deg. 20  
min. N. longitude: 57 deg. 20 min. E. elevation:  
600m. restricted: QUAR. remarks: Irrigated. Used for  
food and feed. Primitive Cultivar. Seed.
- PI 532223 donor id: 7352. origin: Oman. local name: Dhurra.  
collected: June 20, 1987. collector: L. Guarino.  
collector id: 7352. locality: Farmstore, 25km W of  
Rustaq, Western Hajar Province. latitude: 23 deg. 20  
min. N. longitude: 57 deg. 20 min. E. elevation:  
650m. restricted: QUAR. remarks: Irrigated. Used for  
food and feed. Primitive Cultivar. Seed.

PI 532181 to 532235-continued

- PI 532224 donor id: 7367. origin: Oman. local name: Dhurra.  
collected: June 20, 1987. collector: L. Guarino.  
collector id: 7367. locality: Farmstore, 30km W of  
Rustaq, Western Hajar Province. latitude: 23 deg. 20  
min. N. longitude: 57 deg. 20 min. E. elevation:  
700m. restricted: QUAR. remarks: Irrigated. Used for  
feed. Primitive Cultivar. Seed.
- PI 532225 donor id: 7384. origin: Oman. local name: Dhurra.  
collected: June 22, 1987. collector: L. Guarino.  
collector id: 7384. locality: Farmstore, 35km S of  
Jabrin, Interior Province. latitude: 22 deg. 40 min. N.  
longitude: 57 deg. 20 min. E. elevation: 400m.  
restricted: QUAR. remarks: Irrigated. Used for food and  
feed. Primitive Cultivar. Seed.
- PI 532226 donor id: 7388. origin: Oman. local name: Dhurra.  
collected: June 22, 1987. collector: L. Guarino.  
collector id: 7388. locality: Farmstore, 35km S of  
Jabrin, Interior Province. latitude: 22 deg. 40 min. N.  
longitude: 57 deg. 20 min. E. elevation: 400m.  
restricted: QUAR. remarks: Irrigated. Seeds white.  
Primitive Cultivar. Seed.
- PI 532227 donor id: 7389. origin: Oman. local name: Dhurra.  
collected: June 22, 1987. collector: L. Guarino.  
collector id: 7389. locality: Farmstore, 35km S of  
Jabrin, Interior Province. latitude: 22 deg. 40 min. N.  
longitude: 57 deg. 20 min. E. elevation: 400m.  
restricted: QUAR. remarks: Irrigated. Seeds red. Used  
for food and feed. Primitive Cultivar. Seed.
- PI 532228 donor id: 7390. origin: Oman. local name: Dhurra.  
collected: June 22, 1987. collector: L. Guarino.  
collector id: 7390. locality: Farmstore, 35km S of  
Jabrin, Interior Province. latitude: 22 deg. 40 min. N.  
longitude: 57 deg. 20 min. E. elevation: 400m.  
restricted: QUAR. remarks: Irrigated. Seeds white. Used  
for food and feed. Primitive Cultivar. Seed.
- PI 532229 donor id: 7396. origin: Oman. local name: Dhurra.  
collected: June 2, 1987. collector: L. Guarino.  
collector id: 7396. locality: Farmstore, 3km SW of  
Bahla, Interior Province. latitude: 23 deg. 00 min. N.  
longitude: 57 deg. 20 min. E. elevation: 500m.  
restricted: QUAR. remarks: Irrigated. Used for feed and  
fodder. Primitive Cultivar. Seed.

PI 532181 to 532235-continued

- PI 532230 donor id: 7402. origin: Oman. local name: Dhurra.  
collected: June 24, 1987. collector: L. Guarino.  
collector id: 7402. locality: Farmstore, 30km NW of  
Bahla, Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 00 min. E. elevation: 900m.  
restricted: QUAR. remarks: Irrigated. Used for feed and  
fodder. Primitive Cultivar. Seed.
- PI 532231 donor id: 7411. origin: Oman. local name: Dhurra.  
collected: June 25, 1987. collector: L. Guarino.  
collector id: 7411. locality: Farmstore, 25km W of Al  
Hamra, Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 10 min. E. elevation: 1100m.  
restricted: QUAR. remarks: Irrigated. Used for food and  
feed. Primitive Cultivar. Seed.
- PI 532232 donor id: 7415. origin: Oman. local name: Dhurra.  
collected: June 25, 1987. collector: L. Guarino.  
collector id: 7415. locality: Farmstore, 30km W of Al  
Hamra, Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 10 min. E. elevation: 1550m.  
restricted: QUAR. remarks: Irrigated. Used for food and  
feed. Primitive Cultivar. Seed.
- PI 532233 donor id: 7454. origin: Oman. local name: Dhurra.  
collected: July 1, 1987. collector: L. Guarino.  
collector id: 7454. locality: Farmstore, 10km NE of  
Tamf, Jebel Akhdar Province. latitude: 23 deg. 10 min.  
N. longitude: 57 deg. 40 min. E. elevation: 1500m.  
restricted: QUAR. remarks: Irrigated. Used for food and  
feed.. Primitive Cultivar. Seed.
- PI 532234 donor id: 7456. origin: Oman. local name: Dhurra.  
collected: July 2, 1987. collector: L. Guarino.  
collector id: 7456. locality: Farmland, 10km W of Al  
Hamra, Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 10 min. E. elevation: 700m.  
restricted: QUAR. remarks: Irrigated. Used for food and  
feed. Primitive Cultivar. Seed.
- PI 532235 donor id: 7492. origin: Oman. local name: Dhurra.  
collected: July 13, 1987. collector: L. Guarino.  
collector id: 7492. locality: Farmstore, 45km NE of  
Boraimi, Jav & Boraimi Province. latitude: 24 deg. 30  
min. N. longitude: 56 deg. 00 min. E. elevation:  
400m. restricted: QUAR. remarks: Irrigated. Used for  
food and feed. Primitive Cultivar. Seed.

PI 532236 to 532298. *Triticum aestivum* L. POACEAE Common wheat

**Donated by:** Guarino, L., IBPGR, Rome, Italy. **remarks:** Received through IBPGR. Received July 6, 1987.

- PI 532236 **donor id:** 7001. **origin:** Oman. **collected:** April 15, 1987. **collector:** L. Guarino. **collector id:** 7001. **locality:** Farmland, 12km NW of Sohar, N. Batinah Province. **latitude:** 24 deg. 30 min. N. **longitude:** 56 deg. 40 min. E. **restricted:** QUAR. **remarks:** Spikes awnless, club type. Sown November, harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532237 **donor id:** 7004. **origin:** Oman. **collected:** April 15, 1987. **collector:** L. Guarino. **collector id:** 7004. **locality:** Farmland, Majis, N. Batinah Province. **latitude:** 24 deg. 30 min. N. **longitude:** 56 deg. 40 min. E. **remarks:** Spikes awned, lax. Harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532238 **donor id:** 7005. **origin:** Oman. **collected:** April 15, 1987. **collector:** L. Guarino. **collector id:** 7005. **locality:** Farmland, Majis, N. Batinah Province. **latitude:** 24 deg. 30 min. N. **longitude:** 56 deg. 40 min. E. **remarks:** Spikes awnless, club type. Sown November, harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532239 **donor id:** 7007. **origin:** Oman. **local name:** Gredho. **collected:** April 15, 1987. **collector:** L. Guarino. **collector id:** 7007. **locality:** Farmland, 2km SE of Sohar, N. Batinah Province. **latitude:** 24 deg. 30 min. N. **longitude:** 56 deg. 40 min. E. **remarks:** Spikes awned, compact. Harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532240 **donor id:** 7008. **origin:** Oman. **local name:** Musane. **collected:** April 15, 1987. **collector:** L. Guarino. **collector id:** 7008. **locality:** Farmland, 2km SE of Sohar, N. Batinah Province. **latitude:** 24 deg. 30 min. N. **longitude:** 56 deg. 40 min. E. **remarks:** Spikes awnless, compact but not club. Harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532241 **donor id:** 7009. **origin:** Oman. **local name:** Shallot. **collected:** April 16, 1987. **collector:** L. Guarino. **collector id:** 7009. **locality:** Farmland, 32km SW of Majis, W. Hajar Province. **latitude:** 24 deg. 10 min. N. **longitude:** 56 deg. 20 min. E. **elevation:** 500m. **remarks:** Spikes awned. Sown November, harvested April. Irrigated. Used for food. **disease resistance:** Rust. Primitive Cultivar. Seed.

PI 532236 to 532298-continued

- PI 532242 donor id: 7010. origin: Oman. local name: Musane and Byaza. collected: April 16, 1987. collector: L. Guarino. collector id: 7010. locality: Farmland, 32km SW of Majis, W. Hajar Province. latitude: 24 deg. 10 min. N. longitude: 56 deg. 20 min. E. elevation: 500m. remarks: Mixture of black-awned (Musane) and white awned (Byaza) types. Sown November, harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532243 donor id: 7011. origin: Oman. local name: Hamira. collected: April 16, 1987. collector: L. Guarino. collector id: 7011. locality: Farmland, 32km SW of Majis, W. Hajar Province. latitude: 24 deg. 10 min. N. longitude: 56 deg. 20 min. E. elevation: 500m. remarks: Spikes awnless, sensitive to rust. Sown November, harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532244 donor id: 7013. origin: Oman. local name: Gredha. collected: April 18, 1987. collector: L. Guarino. collector id: 7013. locality: Farmstore, 30km W of Rustaq, Western Hajar Province. latitude: 23 deg. 30 min. N. longitude: 57 deg. 10 min. E. elevation: 450m. remarks: Spikes awnless. Harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532245 donor id: 7015. origin: Oman. local name: Kule. collected: April 20, 1987. collector: L. Guarino. collector id: 7015. locality: Farmland, 2km E of Bahla, Interior Province. latitude: 23 deg. 00 min. N. longitude: 57 deg. 20 min. E. elevation: 500m. remarks: Sown November, harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532246 donor id: 7016. origin: Oman. local name: Saraya. collected: April 20, 1987. collector: L. Guarino. collector id: 7016. locality: Farmland, 2km E of Bahla, Interior Province. latitude: 23 deg. 00 min. N. longitude: 57 deg. 20 min. E. elevation: 500m. remarks: Harvested April. Used for food. Primitive Cultivar. Seed.
- PI 532247 donor id: 7026. origin: Oman. local name: Kule. collected: April 21, 1987. collector: L. Guarino. collector id: 7026. locality: Farmstore, 2km NE of Al Hamra, Interior Province. latitude: 23 deg. 10 min. N. longitude: 57 deg. 20 min. E. elevation: 500m. remarks: Irrigated. Used for food. Primitive Cultivar. Seed.

PI 532236 to 532298-continued

- PI 532248 donor id: 7030. origin: Oman. local name: Kule.  
collected: April 21, 1987. collector: L. Guarino.  
collector id: 7030. locality: Farmstore, 2km NE of Al  
Hamra, Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 20 min. E. elevation: 500m.  
remarks: Harvested April. Irrigated. Used for food.  
Primitive Cultivar. Seed.
- PI 532249 donor id: 7037. origin: Oman. local name: Kule.  
collected: April 21, 1987. collector: L. Guarino.  
collector id: 7037. locality: Farmstore, 1-2km from Al  
Hamra, Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 20 min. E. elevation: 500m.  
remarks: Irrigated. Used for food. Primitive Cultivar.  
Seed.
- PI 532250 donor id: 7041. origin: Oman. local name: Kule.  
collected: April 22, 1987. collector: L. Guarino.  
collector id: 7041. locality: Farmstore, extensive wadi  
bed of plain, 10km SE of Jabrin, Interior Province.  
latitude: 22 deg. 50 min. N. longitude: 57 deg. 20 min.  
E. elevation: 400m. remarks: Irrigated. Used for food.  
Primitive Cultivar. Seed.
- PI 532251 donor id: 7051. origin: Oman. local name: Saraya.  
collected: April 22, 1987. collector: L. Guarino.  
collector id: 7051. locality: Farmstore, 6km N of Al  
Ayshi, Interior Province. latitude: 23 deg. 00 min. N.  
longitude: 57 deg. 10 min. E. elevation: 500m.  
remarks: Sown November, harvested March. Irrigated. Used  
for food. Primitive Cultivar. Seed.
- PI 532252 donor id: 7052. origin: Oman. local name: Kule.  
collected: April 22, 1987. collector: L. Guarino.  
collector id: 7052. locality: Farmstore, 6km N of Al  
Ayshi, Interior Province. latitude: 23 deg. 00 min. N.  
longitude: 57 deg. 10 min. E. elevation: 500m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.
- PI 532253 donor id: 7053. origin: Oman. local name: Mufsegha.  
collected: April 22, 1987. collector: L. Guarino.  
collector id: 7053. locality: Farmstore, 6km N of Al  
Ayshi, Interior Province. latitude: 23 deg. 00 min. N.  
longitude: 57 deg. 10 min. E. elevation: 500m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.



PI 532236 to 532298-continued

- PI 532254 donor id: 7057. origin: Oman. local name: Gredha.  
collected: April 22, 1987. collector: L. Guarino.  
collector id: 7057. locality: Farmstore, 10km NNE of Al  
Ayshi, Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 10 min. E. elevation: 500m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.
- PI 532255 donor id: 7062. origin: Oman. local name: Mufsegha.  
collected: April 22, 1987. collector: L. Guarino.  
collector id: 7062. locality: Farmstore, 10km NNE of Al  
Alshi, Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 10 min. E. elevation: 500m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.
- PI 532256 donor id: 7064. origin: Oman. local name: Kule.  
collected: April 23, 1987. collector: L. Guarino.  
collector id: 7064. locality: Farmstore, 20km SE of  
Nizwa, Interior Province. latitude: 22 deg. 50 min. N.  
longitude: 57 deg. 40 min. E. elevation: 350m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.
- PI 532257 donor id: 7074. origin: Oman. local name: Kule.  
collected: April 25, 1987. collector: L. Guarino.  
collector id: 7074. locality: Farmland, 15km NE of Ibri,  
Dhahirah Province. latitude: 23 deg. 20 min. N.  
longitude: 56 deg. 40 min. E. elevation: 300m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.
- PI 532258 donor id: 7076. origin: Oman. local name: Hamira.  
collected: April 25, 1987. collector: L. Guarino.  
collector id: 7076. locality: Farmland, 15km NE of Ibri,  
Dhahirah Province. latitude: 23 deg. 20 min. N.  
longitude: 56 deg. 40 min. E. elevation: 300m.  
remarks: Spikes few. Sown November, harvested April.  
Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532259 donor id: 7084. origin: Oman. local name: Kule.  
collected: April 25, 1987. collector: L. Guarino.  
collector id: 7084. locality: Farmstore, 30km NE of  
Ibri, Dhahirah Province. latitude: 23 deg. 30 min. N.  
longitude: 56 deg. 40 min. E. elevation: 400m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.

PI 532236 to 532298-continued

- PI 532260 donor id: 7090. origin: Oman. local name: Kule.  
collected: April 26, 1987. collector: L. Guarino.  
collector id: 7090. locality: Farmstore, Yankul,  
Dhahirah Province. latitude: 23 deg. 40 min. N.  
longitude: 56 deg. 30 min. E. elevation: 500m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.
- PI 532261 donor id: 7095. origin: Oman. local name: Hamira.  
collected: April 26, 1987. collector: L. Guarino.  
collector id: 7095. locality: Farmstore, 19km SW of  
Yankul, Dhahirah Province. latitude: 23 deg. 30 min. N.  
longitude: 56 deg. 30 min. E. elevation: 400m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.
- PI 532262 donor id: 7106. origin: Oman. local name: Musane.  
collected: April 28, 1987. collector: L. Guarino.  
collector id: 7106. locality: Farmstore, 12km N of  
Nizwa, Interior Province. latitude: 23 deg. 00 min. N.  
longitude: 57 deg. 30 min. E. elevation: 450m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.
- PI 532263 donor id: 7111. origin: Oman. local name: Musane.  
collected: April 28, 1987. collector: L. Guarino.  
collector id: 7111. locality: Farmstore, Tanuf, Interior  
Province. latitude: 23 deg. 00 min. N. longitude: 57  
deg. 30 min. E. elevation: 500m. remarks: Sown  
November, harvested April. Irrigated. Used for food.  
Primitive Cultivar. Seed.
- PI 532264 donor id: 7118. origin: Oman. local name: Musane.  
collected: April 29, 1987. collector: L. Guarino.  
collector id: 7118. locality: Farmstore, Nizwa, Interior  
Province. latitude: 22 deg. 50 min. N. longitude: 57  
deg. 30 min. E. elevation: 450m. remarks: Sown  
November-December, harvested April. Irrigated. Used for  
food. Primitive Cultivar. Seed.
- PI 532265 donor id: 7122. origin: Oman. local name: Musane.  
collected: April 29, 1987. collector: L. Guarino.  
collector id: 7122. locality: Farmstore, 5km N of Nizwa,  
Interior Province. latitude: 22 deg. 50 min. N.  
longitude: 57 deg. 30 min. E. elevation: 400m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.

- PI 532266 donor id: 7124. origin: Oman. local name: Kule.  
collected: April 29, 1987. collector: L. Guarino.  
collector id: 7124. locality: Farmstore, 5km N of Nizwa,  
Interior Province. latitude: 22 deg. 50 min. N.  
longitude: 57 deg. 30 min. E. elevation: 400m.  
remarks: Sown November, harvested April. Irrigated. Used  
for food. Primitive Cultivar. Seed.
- PI 532267 donor id: 7139. origin: Oman. local name: Kule.  
collected: April 30, 1987. collector: L. Guarino.  
collector id: 7139. locality: Farmland, Izki, Interior  
Province. latitude: 22 deg. 50 min. N. longitude: 57  
deg. 50 min. E. elevation: 400m. remarks: Sown  
November, harvested April. Irrigated. Used for food.  
Primitive Cultivar. Seed.
- PI 532268 donor id: 7248. origin: Oman. local name: Musane.  
collected: June 2, 1987. collector: L. Guarino.  
collector id: 7248. locality: Farmstore, Nizwa, Interior  
Province. latitude: 22 deg. 50 min. N. longitude: 57  
deg. 30 min. E. elevation: 500m. remarks: Irrigated.  
Used for food. Primitive Cultivar. Seed.
- PI 532269 donor id: 7257. origin: Oman. local name: Kule.  
collected: June 6, 1987. collector: L. Guarino.  
collector id: 7257. locality: Farmland, 10km NW of  
Mudaybi, Sharqiya Province. latitude: 22 deg. 30 min. N.  
longitude: 58 deg. 10 min. E. elevation: 400m.  
remarks: Sown December, harvested May. Irrigated. Used  
for food. Primitive Cultivar. Seed.
- PI 532270 donor id: 7269. origin: Oman. collected: June 7, 1987.  
collector: L. Guarino. collector id: 7269. locality:  
Farmland, 15km S of Ibra, Sharqiya Province. latitude:  
22 deg. 30 min. N. longitude: 58 deg. 40 min. E.  
elevation: 400m. remarks: Three plants in field of  
alfalfa and barley. Irrigated. Used for food. Primitive  
Cultivar. Seed.
- PI 532271 donor id: 7297. origin: Oman. local name: Kule.  
collected: June 10, 1987. collector: L. Guarino.  
collector id: 7297. locality: Farmstore, Samad, Sharqiya  
Province. latitude: 22 deg. 50 min. N. longitude: 58  
deg. 10 min. E. elevation: 600m. remarks: Sown  
November, harvested April. Irrigated. Used for food.  
Primitive Cultivar. Seed.

PI 532236 to 532298-continued

- PI 532272 donor id: 7368. origin: Oman. local name: Musane. collected: June 20, 1987. collector: L. Guarino. collector id: 7368. locality: Farmstore, 30km W of Rustaq, Western Hajar. latitude: 23 deg. 20 min. N. longitude: 57 deg. 20 min. E. elevation: 700m. remarks: Sown November, harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532273 donor id: 7382. origin: Oman. local name: Kule. collected: June 22, 1987. collector: L. Guarino. collector id: 7382. locality: Farmstore, 35km S of Jabrin, Interior Province. latitude: 22 deg. 40 min. N. longitude: 57 deg. 20 min. E. elevation: 400m. remarks: Sown November, harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532274 donor id: 7399. origin: Oman. local name: Kule. collected: June 23, 1987. collector: L. Guarino. collector id: 7399. locality: Farmstore, 3km SW of Bahla, Interior Province. latitude: 23 deg. 00 min. N. longitude: 57 deg. 20 min. E. elevation: 500m. remarks: Sown November, harvested April. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532275 donor id: 7406. origin: Oman. local name: Musane. collected: June 24, 1987. collector: L. Guarino. collector id: 7406. locality: Farmstore, 30km NW of Bahla, Interior Province. latitude: 23 deg. 10 min. N. longitude: 57 deg. 00 min. E. elevation: 900m. remarks: Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532276 donor id: 7408. origin: Oman. local name: Sariya and Clalidi. collected: June 24, 1987. collector: L. Guarino. collector id: 7408. locality: Farmstore, 30km NW of Bahla, Interior Province. latitude: 23 deg. 10 min. N. longitude: 57 deg. 00 min. E. elevation: 900m. remarks: Sariya, awnless. Clalidi, black awns. Mixed sample. Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532277 donor id: 7410. origin: Oman. local name: Sariya. collected: June 24, 1987. collector: L. Guarino. collector id: 7410. locality: Farmstore, 35km NW of Bahla, Interior Province. latitude: 23 deg. 10 min. N. longitude: 57 deg. 00 min. E. elevation: 700m. remarks: Mixed sample. Sown November, harvested April-May. Irrigated. Used for food. Primitive Cultivar. Seed.

PI 532236 to 532298-continued

- PI 532278 donor id: 7414. origin: Oman. local name: Kule.  
collected: June 25, 1987. collector: L. Guarino.  
collector id: 7414. locality: Farmstore, 25km W of Al  
Hamra, Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 10 min. E. elevation: 1100m.  
remarks: Mixture apparently with Mexipack. Sown November,  
harvested May. Irrigated. Used for food. Primitive  
Cultivar. Seed.
- PI 532279 donor id: 7416. origin: Oman. local name: Sariya.  
collected: June 28, 1987. collector: L. Guarino.  
collector id: 7416. locality: Farmstore, 20km N of  
Birkat al Mawz, Jebel Akhdar Province. latitude: 23 deg.  
10 min. N. longitude: 57 deg. 40 min. E. elevation:  
1700m. remarks: Irrigated. Used for food. Primitive  
Cultivar. Seed.
- PI 532280 donor id: 7417. origin: Oman. local name: Musane.  
collected: June 28, 1987. collector: L. Guarino.  
collector id: 7417. locality: Farmstore, 20km N of  
Birkat al Mawz, Jebel Akhdar Province. latitude: 23 deg.  
10 min. N. longitude: 57 deg. 40 min. E. elevation:  
1700m. remarks: Irrigated. Used for food. Primitive  
Cultivar. Seed.
- PI 532281 donor id: 7423. origin: Oman. local name: Sariya.  
collected: June 28, 1987. collector: L. Guarino.  
collector id: 7423. locality: Farmstore, 20km N of  
Birkat al Mawz, Jebel Akhdar Province. latitude: 23 deg.  
10 min. N. longitude: 57 deg. 40 min. E. elevation:  
1800m. remarks: Irrigated. Used for food. Primitive  
Cultivar. Seed.
- PI 532282 donor id: 7430. origin: Oman. collected: June 29, 1987.  
collector: L. Guarino. collector id: 7430. locality:  
Farmstore, 25km N of Birkat al Mawz, Jebel Akhdar  
Province. latitude: 23 deg. 10 min. N. longitude: 57  
deg. 40 min. E. elevation: 1800m. remarks: Variety  
unknown. Irrigated. Used for food. Primitive Cultivar.  
Seed.
- PI 532283 donor id: 7434. origin: Oman. local name: Sariya.  
collected: June 29, 1987. collector: L. Guarino.  
collector id: 7434. locality: Farmstore, 25km N of  
Birkat al Mawz, Jebel Akhdar Province. latitude: 23 deg.  
10 min. N. longitude: 57 deg. 40 min. E. elevation:  
1800m. remarks: Irrigated. Used for food. Primitive  
Cultivar. Seed.

PI 532236 to 532298-continued

- PI 532284 donor id: 7442. origin: Oman. collected: June 29, 1987. collector: L. Guarino. collector id: 7442. locality: Farmstore, 20km N of Birkat al Mawz, Jebel Akhdar Province. latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min. E. elevation: 1600m. remarks: Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532285 donor id: 7466. origin: Oman. collected: July 9, 1987. collector: L. Guarino. collector id: 7466. locality: Farmstore, 25km N of Bayah, Musandam Province. latitude: 25 deg. 50 min. N. longitude: 56 deg. 20 min. E. elevation: 300m. remarks: Rain-fed subsistence. Used for food. Primitive Cultivar. Seed.
- PI 532286 donor id: 7467. origin: Oman. local name: Saluta. collected: July 9, 1987. collector: L. Guarino. collector id: 7467. locality: Farmland, 50km N of Bayah, Musandam Province. latitude: 25 deg. 50 min. N. longitude: 56 deg. 20 min. E. elevation: 400m. remarks: Rain-fed subsistence. Used for food. Primitive Cultivar. Seed.
- PI 532287 donor id: 7470. origin: Oman. local name: Musane. collected: July 9, 1987. collector: L. Guarino. collector id: 7470. locality: Farmstore, 50km N of Bayah, Musandam Province. latitude: 25 deg. 50 min. N. longitude: 56 deg. 20 min. E. elevation: 400m. remarks: Rain-fed subsistence. Used for food. Primitive Cultivar. Seed.
- PI 532288 donor id: 7483. origin: Oman. local name: Musane. collected: July 11, 1987. collector: L. Guarino. collector id: 7483. locality: Farmstore, 10km E of Khasab, Musandam Province. latitude: 26 deg. 20 min. N. longitude: 56 deg. 20 min. E. elevation: 200m. remarks: Silt-filled bowl with some farms around edges. High water retention. Rain-fed subsistence. Sown November, harvested April. Used for food. Primitive Cultivar. Seed.
- PI 532289 donor id: 7486. origin: Oman. local name: Musane. collected: July 12, 1987. collector: L. Guarino. collector id: 7486. locality: Farmstore, 30km S of Khasab, Musandam Province. latitude: 26 deg. 10 min. N. longitude: 56 deg. 10 min. E. elevation: 1200m. remarks: Probably a mixture. Rain-fed subsistence. Used for food. Primitive Cultivar. Seed.

PI 532236 to 532298-continued

- PI 532290 donor id: 7487. origin: Oman. local name: Musane.  
collected: July 12, 1987. collector: L. Guarino.  
collector id: 7487. locality: Farmstore, 30km S of  
Khasab, Musandam Province. latitude: 26 deg. 10 min. N.  
longitude: 56 deg. 10 min. E. elevation: 1200m.  
remarks: Rain-fed subsistence. Used for food. Primitive  
Cultivar. Seed.
- PI 532291 donor id: 7488. origin: Oman. local name: Musane.  
collected: July 12, 1987. collector: L. Guarino.  
collector id: 7488. locality: Farmstore, 30km S of  
Khasab, Musandam Province. latitude: 26 deg. 10 min. N.  
longitude: 56 deg. 10 min. E. elevation: 1200m.  
remarks: Rain-fed subsistence. Used for food. Primitive  
Cultivar. Seed.
- PI 532292 donor id: 7489. origin: Oman. local name: Musane.  
collected: July 12, 1987. collector: L. Guarino.  
collector id: 7489. locality: Farmstore, 30km S of  
Khasab, Musandam Province. latitude: 26 deg. 10 min. N.  
longitude: 56 deg. 10 min. E. elevation: 1200m.  
remarks: Rain-fed subsistence. Used for food. Primitive  
Cultivar. Seed.
- PI 532293 donor id: 7491. origin: Oman. local name: Shallot.  
collected: July 13, 1987. collector: L. Guarino.  
collector id: 7491. locality: Farmstore, 45km NE of  
Buraimi, Jau and Buraimi Province. latitude: 24 deg. 30  
min. N. longitude: 56 deg. 00 min. E. elevation:  
400m. remarks: Irrigated. Used for food. Primitive  
Cultivar. Seed.
- PI 532294 donor id: 7502. origin: Oman. local name: Hamira.  
collected: July 14, 1987. collector: L. Guarino.  
collector id: 7402. locality: Wadi Qurayat Res. Stat.,  
Dank, Dhahirah Province. latitude: 23 deg. 30 min. N.  
longitude: 56 deg. 20 min. E. elevation: 300m.  
remarks: Irrigated. Used for food. Primitive Cultivar.  
Seed.
- PI 532295 donor id: 7503. origin: Oman. local name: Kule.  
collected: July 14, 1987. collector: L. Guarino.  
collector id: 7403. locality: Wadi Qurayat Res. Stat.,  
Dhahirah Province. latitude: 23 deg. 40 min. N.  
longitude: 56 deg. 30 min. E. elevation: 300m.  
remarks: Irrigated. Used for food. Primitive Cultivar.  
Seed.

PI 532236 to 532298-continued

- PI 532296 donor id: 7504. origin: Oman. local name: Musane.  
collected: July 14, 1987. collector: L. Guarino.  
collector id: 7504. locality: Wadi Qurayat Res, Stat.,  
Nizwa, Interior Province. latitude: 22 deg. 50 min. N.  
longitude: 57 deg. 30 min. E. elevation: 400m.  
remarks: Irrigated. Used for food. Primitive Cultivar.  
Seed.
- PI 532297 donor id: 7505. origin: Oman. local name: Sariya.  
collected: July 14, 1987. collector: L. Guarino.  
collector id: 7505. locality: Wadi Qurayat Res, Stat.,  
Nizwa, Interior Province. latitude: 22 deg. 50 min. N.  
longitude: 57 deg. 30 min. E. elevation: 400m.  
remarks: Irrigated. Used for food. Primitive Cultivar.  
Seed.
- PI 532298 donor id: 7507. origin: Oman. collected: July 14, 1987.  
collector: L. Guarino. collector id: 7507. locality:  
Farmstore, 50km SW of Sohar, Western Hajar Province.  
latitude: 24 deg. 00 min. N. longitude: 56 deg. 30 min.  
E. elevation: 400m. remarks: Irrigated. Used for food.  
Primitive Cultivar. Seed.

PI 532299 to 532307. *Triticum turgidum* L. POACEAE Poulard wheat

Donated by: Guarino, L., IBPGR, Rome, Italy. remarks: Received  
through IBPGR. Received July 6, 1987.

- PI 532299 donor id: 7020. origin: Oman. local name: Alas.  
collected: April 20, 1987. collector: L. Guarino.  
collector id: 7020. locality: Farmstore, Bahla, Interior  
Province. latitude: 23 deg. 00 min. N. longitude: 57  
deg. 20 min. E. elevation: 500m. remarks: Not sown for  
some years. Area irrigated. Used for food. Primitive  
Cultivar. Seed.
- PI 532300 donor id: 7026a. origin: Oman. local name: Alas.  
collected: April 21, 1987. collector: L. Guarino.  
collector id: 7026a. locality: Farmstore, 2km NE of Al  
Hamra, Interior Province. latitude: 23 deg. 10 min. N.  
longitude: 57 deg. 20 min. E. elevation: 500m.  
remarks: Irrigated. Used for food. Primitive Cultivar.  
Seed.
- PI 532301 donor id: 7071. origin: Oman. local name: Alas.  
collected: April 23, 1987. collector: L. Guarino.  
collector id: 7071. locality: Farmstore, 20km SE of  
Nizwa, Interior Province. latitude: 22 deg. 50 min. N.  
longitude: 57 deg. 40 min. E. elevation: 350m.  
remarks: Irrigated. Used for food. Primitive Cultivar.  
Seed.



PI 532299 to 532307-continued

- PI 532302 donor id: 7166. origin: Oman. local name: Alas. collected: May 4, 1987. collector: L. Guarino. collector id: 7166. locality: Research Department, Ministry of Agriculture, Salalah, Southern Province. latitude: 17 deg. 00 min. N. longitude: 54 deg. 10 min. E. remarks: Irrigated, used for food. Primitive Cultivar. Seed.
- PI 532303 donor id: 7169. origin: Oman. local name: Alas. collected: May 6, 1987. collector: L. Guarino. collector id: 7169. locality: Veterinary Research Station, Salalah, Southern Province. latitude: 17 deg. 00 min. N. longitude: 54 deg. 10 min. E. remarks: Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532304 donor id: 7369. origin: Oman. local name: Alas. collected: June 20, 1987. collector: L. Guarino. collector id: 7369. locality: Farmstore, 30km W of Rustaq, Western Hajar Province. latitude: 23 deg. 20 min. N. longitude: 57 deg. 20 min. E. elevation: 700m. remarks: Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532305 donor id: 7378. origin: Oman. local name: Alas. collected: June 21, 1987. collector: L. Guarino. collector id: 7378. locality: Farmstore, 60km SW of Sohar, Western Hajar Province. latitude: 23 deg. 50 min. N. longitude: 56 deg. 20 min. E. elevation: 500m. remarks: Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532306 donor id: 7448. origin: Oman. local name: Alas. collected: June 29, 1987. collector: L. Guarino. collector id: 7448. locality: Farmstore, 20km N of Birkat al Mawz, Jebel Akhdar Province. latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min. E. elevation: 1750m. remarks: Irrigated. Used for food. Primitive Cultivar. Seed.
- PI 532307 donor id: 7498. origin: Oman. local name: Alas. collected: July 14, 1987. collector: L. Guarino. collector id: 7498. locality: Wadi Quarayat Res. Stat., Al Kauril, Jaalan and Sur Province. latitude: 22 deg. 10 min. N. longitude: 59 deg. 10 min. E. elevation: 200m. remarks: Irrigated. Used for food. Primitive Cultivar. Seed.

PI 532308 to 532330. Zea mays L. POACEAE Corn

Donated by: Guarino, L., IBPGR, Rome, Italy. remarks: Received through IBPGR. Received April 1987.

PI 532308 to 532330-continued

- PI 532308 donor id: 7027. origin: Oman. collected: April 21, 1987. collector: L. Guarino. collector id: 7027. locality: Farmstore, 2km NE of Al Hamra, Interior Province. latitude: 23 deg. 10 min. N. longitude: 57. deg. 20 min. E. elevation: 500m. remarks: Irrigated. Used for food and feed. Cultivated. Seed.
- PI 532309 donor id: 7113. origin: Oman. collected: April 28, 1987. collector: L. Guarino. collector id: 7113. locality: Farmstore, Tanuf, Interior Province. latitude: 23 deg. 00 min. N. longitude: 57 deg. 30 min. E. elevation: 500m. remarks: Irrigated. Ears small, only one sampled. Seeds yellow. Used for food and feed. Primitive Cultivar. Seed.
- PI 532310 donor id: 7114. origin: Oman. collected: April 28, 1987. collector: L. Guarino. collector id: 7114. locality: Farmstore, Tanuf, Interior Province. latitude: 23 deg. 00 min. N. longitude: 57 deg. 30 min. E. elevation: 500m. remarks: Irrigated. Ears large, only one sampled. Seeds red. Used for food and feed. Primitive Cultivar. Seed.
- PI 532311 donor id: 7125. origin: Oman. collected: April 29, 1987. collector: L. Guarino. collector id: 7125. locality: Farmstore, 5km N of Nizwa, Interior Province. latitude: 22 deg. 50 min. N. longitude: 57 deg. 30 min. E. elevation: 400m. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.
- PI 532312 donor id: 7132. origin: Oman. collected: April 30, 1987. collector: L. Guarino. collector id: 7132. locality: Farmstore, Izki, Interior Province. latitude: 22 deg. 50 min. N. longitude: 57 deg. 50 min. E. elevation: 400m. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.
- PI 532313 donor id: 7196. origin: Oman. collected: May 11, 1987. collector: L. Guarino. collector id: 7196. locality: Farmstore, 20km NW of Marbat, Southern Province. latitude: 17 deg. 10 min. N. longitude: 54 deg. 40 min. E. elevation: 500m. remarks: Rain-fed subsistence. Used for food. Primitive Cultivar. Seed.
- PI 532314 donor id: 7234. origin: Oman. collected: May 26, 1987. collector: L. Guarino. collector id: 7234. locality: Farmstore, 5km S of Nizwa, Interior Province. latitude: 22 deg. 50 min. N. longitude: 57 deg. 30 min. E. elevation: 400m. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.

PI 532308 to 532330-continued

- PI 532315 donor id: 7244. origin: Oman. collected: June 2, 1987. collector: L. Guarino. collector id: 7244. locality: Farmstore, Nizwa, Interior Province. latitude: 22 deg. 50 min. N. longitude: 57 deg. 30 min. E. elevation: 500m. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.
- PI 532316 donor id: 7256. origin: Oman. collected: June 6, 1987. collector: L. Guarino. collector id: 7256. locality: Farmstore, 10km NW of Mudaybi, Sharqiya Province. latitude: 22 deg. 30 min. N. longitude: 58 deg. 10 min. E. elevation: 400m. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.
- PI 532317 donor id: 7292. origin: Oman. collected: June 10, 1987. collector: L. Guarino. collector id: 7292. locality: Farmstore, Samad, Sharqiya Province. latitude: 22 deg. 50 min. N. longitude: 58 deg. 10 min. E. elevation: 600m. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.
- PI 532318 donor id: 7395. origin: Oman. collected: June 23, 1987. collector: L. Guarino. collector id: 7395. locality: Farmstore, 3km SW of Bahla, Interior Province. latitude: 23 deg. 00 min. N. longitude: 57 deg. 20 min. E. elevation: 500m. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.
- PI 532319 donor id: 7419. origin: Oman. collected: June 28, 1987. collector: L. Guarino. collector id: 7419. locality: Farmstore, 20km N of Birkat al Mawz, Jebel Akhdar. latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min. E. elevation: 1700m. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.
- PI 532320 donor id: 7422. origin: Oman. collected: June 28, 1987. collector: L. Guarino. collector id: 7422. locality: Farmstore, 20km N of Birkat al Mawz, Jebel Akhdar. latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min. E. elevation: 1800m. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.
- PI 532321 donor id: 7424. origin: Oman. collected: June 28, 1987. collector: L. Guarino. collector id: 7424. locality: Farmstore, 20km N of Birkat al Mawz, Jebel Akhdar. latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min. E. elevation: 1800m. remarks: Irrigated. Used for food and feed. Primitive Cultivar. Seed.

- PI 532322 donor id: 7429. origin: Oman. collected: June 29, 1987.  
collector: L. Guarino. collector id: 7429. locality:  
Farmstore, 25km N of Birkat al Mawz, Jebel Akhdar.  
latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min.  
E. elevation: 1800m. remarks: Irrigated. Used for food  
and feed. Primitive Cultivar. Seed.
- PI 532323 donor id: 7431. origin: Oman. collected: June 29, 1987.  
collector: L. Guarino. collector id: 7431. locality:  
Farmstore, 25km N of Birkat al Mawz, Jebel Akhdar.  
latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min.  
E. elevation: 1800m. remarks: Irrigated. Seed yellow.  
Used for food and feed. Primitive Cultivar. Seed.
- PI 532324 donor id: 7432. origin: Oman. collected: June 29, 1987.  
collector: L. Guarino. collector id: 7432. locality:  
Farmstore, 25km N of Birkat al Mawz, Jebel Akhdar.  
latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min.  
E. elevation: 1800m. remarks: Irrigated. Seeds red.  
Used for food and feed. Primitive Cultivar. Seed.
- PI 532325 donor id: 7443. origin: Oman. collected: June 29, 1987.  
collector: L. Guarino. collector id: 7443. locality:  
Farmstore, 20km N of Birkat al Mawz, Jebel Akhdar.  
latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min.  
E. elevation: 1600m. remarks: Irrigated. Seeds red.  
Used for food and feed. Primitive Cultivar. Seed.
- PI 532326 donor id: 7444. origin: Oman. collected: June 29, 1987.  
collector: L. Guarino. collector id: 7444. locality:  
Farmstore, 20km N of Birkat al Mawz, Jebel Akhdar.  
latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min.  
E. elevation: 1600m. remarks: Irrigated. Seeds yellow.  
Used for food and feed. Primitive Cultivar. Seed.
- PI 532327 donor id: 7449. origin: Oman. collected: June 29, 1987.  
collector: L. Guarino. collector id: 7449. locality:  
Farmstore, 20km N of Birkat al Mawz, Jebel Akhdar.  
latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min.  
E. elevation: 1750m. remarks: Irrigated. Seeds mixed  
red and yellow. Used for food and feed. Primitive  
Cultivar. Seed.
- PI 532328 donor id: 7450. origin: Oman. collected: June 30, 1987.  
collector: L. Guarino. collector id: 7450. locality:  
Farmstore, 20km N of Birkat al Mawz, Jebel Akhdar.  
latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min.  
E. elevation: 1500m. remarks: Irrigated. Seeds yellow.  
Used for food and feed. Primitive Cultivar. Seed.

PI 532308 to 532330-continued

PI 532329 donor id: 7451. origin: Oman. collected: June 30, 1987. collector: L. Guarino. collector id: 7451. locality: Farmstore, 20km N of Birkat al Mawz, Jebel Akhdar. latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min. E. elevation: 1500m. remarks: Irrigated. Seeds red. Used for food and feed. Primitive Cultivar. Seed.

PI 532330 donor id: 7453. origin: Oman. collected: July 1, 1987. collector: L. Guarino. collector id: 7453. locality: Farmstore, 10km NE of Tanuf, Jebel Akhdar. latitude: 23 deg. 10 min. N. longitude: 57 deg. 40 min. E. elevation: 1500m. remarks: Irrigated. Seeds red. Used for food and feed. Primitive Cultivar. Seed.

PI 532331. *Cayaponia racemosa* (Swartz) Cogn. CUCURBITACEAE

Donated by: Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

donor id: 147. origin: Mexico. collected: December 24, 1985. collector: T.C. Andres and M. Nee. collector id: 147. locality: In shrubs, back of sand dunes along Pacific Ocean, Dunas Conteras, 1km NW of center of Puerto Arista, Municipal Tonalá. latitude: 15 deg. 56 min. N. longitude: 93 deg. 49 min. W. elevation: 1m. remarks: Mature fruits red. Three seeds per fruit. Wild. Seed.

PI 532332 to 532333. *Cionosicyos excisus* (Griseb.) Jeffrey  
CUCURBITACEAE

Donated by: Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

PI 532332 donor id: 159. origin: Mexico. collected: December 29, 1985. collector: T.C. Andres and M. Nee. collector id: 159. locality: Roadside, short forest, along hwy. Mex 261, 11km S of Champoton, Municipal Champoton. latitude: 19 deg. 15 min. N. longitude: 90 deg. 44 min. W. elevation: 50m. remarks: Fruits spheroid. Wild. Seed.

PI 532333 donor id: 164. origin: Mexico. collected: December 31, 1985. collector: T.C. Andres and M. Nee. collector id: 164. locality: Forest edge, 5-10m tall trees on level land, along hwy. Mex. 307, 7km NE of Bacalar, Municipal Chetumal. latitude: 18 deg. 43 min. N. longitude: 88 deg. 22 min. W. elevation: 25m. remarks: Flowering and fruiting. Wild. Seed.

PI 532334 to 532335. *Cionosicyos macranthus* (Pittier) Jeffrey  
CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

PI 532334 **donor id:** 101. **origin:** Mexico. **collected:** December 13, 1985. **collector:** T.C. Andres, M.Nee and J.J. Wyland. **collector id:** 101. **locality:** Slope along roadside in planted Casuarina trees, between San Andres Tuxtla and Santiago Tuxtla on hwy. Mex. 180, 6km W of San Andres Tuxtla. **latitude:** 18 deg. 26 min. N. **longitude:** 95 deg. 15 min. W. **elevation:** 215m. Wild. Seed.

PI 532335 **donor id:** 153. **origin:** Mexico. **collected:** December 28, 1985. **collector:** T.C. Andres and M. Nee. **collector id:** 153. **locality:** Along river bank, on SW side of Chancala, Municipal Palenque. **latitude:** 17 deg. 20 min. N. **longitude:** 91 deg. 41 min. W. **elevation:** 120m. Wild. Seed.

PI 532336. *Cucumis dipsaceus* Ehrenb. ex Spach CUCURBITACEAE Teasel gourd

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

**donor id:** 11. **origin:** Mexico. **collected:** November 15, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 11. **locality:** Dry arroya, 12km N of Llera, on west side of hwy. Mex. 85, Municipal Llera de Canales. **latitude:** 23 deg. 25 min. N. **longitude:** 98 deg. 58 min. W. **elevation:** 400m. **remarks:** Fruit bright yellow, ellipsoid. Flesh bitter. Wild. Seed.

PI 532337 to 532340. *Cucurbita argyrosperma* Huber CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

PI 532337 **donor id:** 46. **origin:** Mexico. **collected:** November 26, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 46. **locality:** Between San Ciro de Acosta to the S and Puerto Martinez to the north. **latitude:** 21 deg. 35 min. N. **longitude:** 99 deg. 55 min. W. **elevation:** 950m. **remarks:** Fruit obloid, white with fine green reticulated stripes. Rind very hard. Seed cavity large. Placenta orange. Seeds white with a raised greenish-gray margin. Peduncle varies from expanded cylindrical to intermediate to not expanded but grooved and flared at attachment to fruit. Cultivated. Seed.

PI 532337 to 532340-continued

PI 532338 donor id: 51-5,6. origin: Mexico. local name: Pipiana. collected: November 29, 1985. collector: T.C. Andres and J.J. Wyland. collector id: 51-5,6. locality: Balsas valley, 2km SW of Pena Prieta on hwy. Mex. 51, Municipal Huetamo de Nunez. latitude: 18 deg. 49 min. N. longitude: 100 deg. 57 min. W. elevation: 600m. remarks: Peduncle long cylindrical, 7.5-14cm long, 4-7cm wide. Fruit obloid, 11.5cm long, 18-5cm wide, white, with green-yellow reticulated stripes. Rind hard. Flesh orange. Seeds white to buff with green to golden margins. Cultivated. Seed.

PI 532339 donor id: 109. origin: Mexico. local name: Champo. collected: December 16, 1985. collector: T.C. Andres, M. Nee, and G. Martin. collector id: 109. locality: Dry slopes and maize fields surrounded by thorn scrub, .05km SW of San Bartolo Albarradas about 20km E of Mitla, Distrito Tlacolula, Municipal Albarradas. latitude: 16 deg. 56 min. N. longitude: 96 deg. 14 min. W. elevation: 1350m. remarks: Fruit variable in shape from obloid-pyriform to ellipsoid-pyriform to clavate with long crooked-neck. Mostly white with green reticulated stripes, turning yellow. Seeds white with raised greenish-gray margin. Used to make dulce. Cultivated. Seed.

PI 532340 donor id: 182. origin: Mexico. collected: January 10, 1986. collector: T.C. Andres and M. Nee. collector id: 182. locality: Foothills of Sierra Tamaulipas, thornscrub woods with limestone bedrock, El Piruli, along hwy. Mex. 70, 65km ESE of Ciudad Victoria, Municipal Casas. latitude: 23 deg. 34 min. N. longitude: 98 deg. 32 min. W. elevation: 400m. remarks: Fruits two, large, varying from green-white with green reticulations, obovoid to slightly pyriform about 19cm long and 14cm wide. Seed cavity large. Flesh wanting. Seeds white with a raised greenish-gray margin. Cultivated. Seed.

PI 532341 to 532349. Cucurbita ficifolia Bouche CUCURBITACEAE Figleaf gourd

Donated by: Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

PI 532341 to 532349-continued

- PI 532341 **donor id:** 19. **origin:** Mexico. **local name:** Chilacayote. **collected:** November 20, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 19. **locality:** In front yard garden, Santa Maria Asuncion, 13km NE of Tulancingo de Bravo on hwy. Mex. 130 to Huachinango. **latitude:** 20 deg. 09 min. N. **longitude:** 98 deg. 16 min. W. **elevation:** 2200m. **remarks:** Fruits green mottled, 23cm long, 22.5cm wide, Carpels 4. Seeds dark brown. Flesh and seeds used to make dulce or confectionery. Home of Carmen Tellez and Mario Ramos. Cultivated. Seed.
- PI 532342 **donor id:** 21. **origin:** Mexico. **collected:** November 20, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 21. **locality:** Roadside vendor at Venta Chica, just W of Venta Grande, 8km SW of Huauchinango on hwy. Mex. 130, Municipal Huauchinango. **latitude:** 20 deg. 07 min. N. **longitude:** 98 deg. 07 min. W. **elevation:** 1650m. **remarks:** Fruits large, ellipsoid about 30cm long, 27cm in diameter. Carpels 4. Cultivated. Seed.
- PI 532343 **donor id:** 32. **origin:** Mexico. **collected:** November 23, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 32. **locality:** Along bank at edge of garden in open pine forest, SE corner at junction hwy. Mex. 105 and road to Tlahuelompa, 4.5km SE of Zacualtipan, Municipal Zacualtipan. **latitude:** 20 deg. 37 min. N. **longitude:** 98 deg. 37 min. W. **elevation:** 2000m. **remarks:** Commonly planted but allowed to become semi-feral. Fruit dark green with white stripes, mostly at flower end, 21cm in diameter. Seeds black when mature. Some white mold on leaves. Used for "dulce". Flowers eaten fried with cheese in quesadillas. Wild. Seed.
- PI 532344 **donor id:** 45. **origin:** Mexico. **collected:** November 26, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 45. **locality:** INIA Station about 2km along dirt road W of hwy. Mex. 85 at Huichihuayan, Municipal Jose. **latitude:** 21 deg. 29 min. N. **longitude:** 98 deg. 59 min. W. **elevation:** 500m. **remarks:** Fruit ellipsoid creamy white and dark green with white stripes, 20.5cm long and 15-18cm wide. Seeds black. Carpels 3. Used to make dulce. Cultivated. Seed.
- PI 532345 **donor id:** 108. **origin:** Mexico. **local name:** Chilacayota. **collected:** December 15, 1985. **collector:** T.C. Andres, M. Nee and J.J. Wyland. **collector id:** 108. **locality:** Ixtlan de Juarez, Distrito Ixtlan, Municipal Ixtlan. **latitude:** 17 deg. 17 min. N. **longitude:** 96 deg. 31 min. W. **elevation:** 2025m. **remarks:** Fruits dark green with white stripes at primarily apex end, oblong-ellipsoid, 22-31cm long, 17-20cm wide. Rind hard. Seeds tan-black. Used to make dulce. Cultivated. Seed.



PI 532341 to 532349-continued

- PI 532346 **donor id:** 112. **origin:** Mexico. **collected:** December 17, 1985. **collector:** T.C. Andres, M. Nee and G. Martin. **collector id:** 112. **locality:** Steep ravines, Bosque de pinos y encinos, 3km N of Ayutla, Distrito Mixe, Municipal Ayutla. **latitude:** 17 deg. 03 min. N. **longitude:** 96 deg. 04 min. W. **elevation:** 1875m. **remarks:** Fruits oval, oblong - ellipsoid, green, reticulated with white or light green stripes, 28-31cm long, 16.5-20.5cm wide. Seeds tan to black. Cultivated. Seed.
- PI 532347 **donor id:** 114. **origin:** Mexico. **local name:** Cao Sej. **collected:** December 17, 1985. **collector:** T.C. Andres, M. Nee and G. Martin. **collector id:** 114. **locality:** Large roadside pile, 8km NE of Ayutla, Distrito Mixe, Municipal Tampazulapa. **latitude:** 17 deg. 06 min. N. **longitude:** 96 deg. 03 min. W. **elevation:** 1975m. **remarks:** Fruit oblong, mostly white with some reticulation, 25.5cm long, 18cm wide. Rind soft. Peduncle green. Seeds not quite mature, black. Prepare fruit for consumption by boiling (without sugar). Seeds toasted and ground into meal. Plant March, harvest December after vines dry out. Cultivated. Seed.
- PI 532348 **donor id:** 117. **origin:** Mexico. **collected:** December 18, 1985. **collector:** T.C. Andres, M. Nee and G. Martin. **collector id:** 117. **locality:** Pine oak forest, Tontepec, Distrito Mixe, Municipal Tontepec. **latitude:** 17 deg. 15 min. N. **longitude:** 96 deg. 02 min. W. **elevation:** 1700m. **remarks:** Fruit white chilicayote to chained chilicayote, 33-37cm long 21.5-23cm wide. Rind hard. Seeds tan-black. Two fruits purchased. Cultivated. Seed.
- PI 532349 **donor id:** 133. **origin:** Mexico. **local name:** Chilacayote. **collected:** December 22, 1985. **collector:** T.C. Andres, M. Nee and J. Wyland. **collector id:** 133. **locality:** Disturbed Pinus-Quercus savanna, 13km NW of San Cristobal de las Casas, Municipal Larrainzar, Cruz Quemada. **latitude:** 16 deg. 50 min. N. **longitude:** 92 deg. 42 min. W. **elevation:** 2300m. **remarks:** Fruits oblong to ellipsoid 29-33cm long, 19-20.5cm wide, varying from white to green with stripes, reticulations and splotches. Cultivated. Seed.

PI 532350 to 532353. Cucurbita foetidissima H. B. K. CUCURBITACEAE  
Buffalo gourd

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

PI 532350 to 532353-continued

- PI 532350 **donor id:** 5. **origin:** Mexico. **collected:** November 11, 1985. **collector:** T.C. Andres, J.J. Wyland. **collector id:** 5. **locality:** Horse pasture, W end of Sabinas Hidalgo next to "Bienvenidos" sign along road to Villaldama. **latitude:** 26 deg. 30 min. N. **longitude:** 100 deg. 13 min. W. **elevation:** 450m. **remarks:** Vines with flowers and mature fruits. Leaves not lobed. Wild. Seed.
- PI 532351 **donor id:** 16. **origin:** Mexico. **collected:** November 17, 1985. **collector:** T.C. Andres, J.J. Wyland. **collector id:** 16. **locality:** Next to bridge over stream dried bed (hwy. Mex. 85), W side of Ixmiquilpan. **latitude:** 26 deg. 28 min. N. **longitude:** 99 deg. 14 min. W. **elevation:** 1700m. **remarks:** Numerous fruits spheroid to ellipsoid attached to dead vines. Area frosted. Wild. Seed.
- PI 532352 **donor id:** 47. **origin:** Mexico. **collected:** November 27, 1985. **collector:** T.C. Andres, J.J. Wyland. **collector id:** 47. **locality:** Along roadside, semi-arid, 16km N of Turnoff to Tula on hwy. Mex. 101, Municipal Tula. **latitude:** 23 deg. 07 min. N. **longitude:** 99 deg. 43 min. W. **elevation:** 1400m. **remarks:** Fruits yellow, spheroid. Plants regenerating from perennial roots. Odorless in young plants. Wild. Seed.
- PI 532353 **donor id:** 48. **origin:** Mexico. **collected:** November 28, 1985. **collector:** T.C. Andres, J.J. Wyland. **collector id:** 48. **locality:** Scrubby stream bank, 13km NE of Villa de Reyes. **latitude:** 21 deg. 50 min. N. **longitude:** 100 deg. 53 min. W. **elevation:** 1900m. **remarks:** Fruits pale yellow, spheroid. Area frosted. Rootstocks growing shoots. Shoots with a strong smell of rancid garlic. Wild. Seed.

PI 532354 to 532356. *Cucurbita fraterna* L. Bailey CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

PI 532354 to 532356-continued

- PI 532354 **donor id:** 178. **origin:** Mexico. **local name:** Calabacilla loca. **collected:** January 09, 1986. **collector:** T.C. Andres and M. Nee. **collector id:** 178. **locality:** Thornscrub woods on flat mesa top with volcanic bedrock, along hwy. Mex. 85 near the microondas (microwave) tower on Mesa la Sandia, between Llera and Rancho Nuevo, 5km NNE of Llera de Canales, Municipal Llerade Canales. **latitude:** 23 deg. 22 min. N. **longitude:** 99 deg. 00 min. W. **elevation:** 500m. **remarks:** Fruits 5, obloid to spheroid, 4.5-6.5cm in diameter, 2 still green with lighter green stripes and flecking, fading to orange. Rind smooth, moderately soft, 1 mm thick. Flesh extremely bitter. Seeds 7-9mm long, 4-6mm wide. Wild. Seed.
- PI 532355 **donor id:** 179. **origin:** Mexico. **collected:** January 10, 1986. **collector:** T.C. Andres and Nee. **collector id:** 179. **locality:** Foothills of Sierra Tamaulipas, thornscrub woods with limestone bedrock, El piruli, along hwy. Mex. 70, 65km ESE of Ciudad Victoria, Municipal Casa. **latitude:** 23 deg. 34 min. N. **longitude:** 98 deg. 32 min. W. **elevation:** 400m. **remarks:** Fruits 8, obloid to spheroid, from green with lighter green stripes and flecking to almost completely bright orange with stripes 3.5-4.5cm diameter. Flesh extremely bitter. Rind smooth and moderately soft, 1 mm thick. Wild. Seed.
- PI 532356 **donor id:** 180. **origin:** Mexico. **collected:** January 10, 1986. **collector:** T.C. Andres and M. Nee. **collector id:** 180. **locality:** Foothills of Sierra Tamaulipas, thornscrub woods with limestone bedrock, El Piruli, along hwy. Mex 70, 65km ESE of Ciudad Victoria, Municipal Casas. **latitude:** 23 deg. 34 min. N. **longitude:** 90 deg. 32 min. W. **elevation:** 400m. **remarks:** Fruit found 1 km E of (PI 532355), single fruit larger with thicker rind, obovoid, faded yellow, 7cm long, 6cm wide. Rind 2mm thick. Wild. Seed.

PI 532357 to 532362. Cucurbita lundelliana Bail. CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

- PI 532357 **donor id:** 156. **origin:** Mexico. **local name:** Calabasa de Monte. **collected:** December 29, 1985. **collector:** T.C. Andres, M. Nee. **collector id:** 156. **locality:** Limestone rolling hills near houses, La Esperanza, along hwy. Mex. 261, 15km N of Escarcega, Municipal Ciudad del Carmen. **latitude:** 18 deg. 44 min. N. **longitude:** 90 deg. 44 min. W. **elevation:** 100m. **remarks:** Fruits on vines in bushes and short trees. Wild. Seed.

- PI 532358 donor id: 162. origin: Mexico. local name: Calabasa de coyote. collected: December 31, 1985. collector: T.C. Andres, M. Nee. collector id: 162. locality: Marshy roadside, along hwy. Mex. 293, 1 km S of Emiliano Zapata and 2 km NW of Valle Hermosa, Municipal Chetumal. latitude: 19 deg. 12 min. N. longitude: 88 deg. 32 min. W. elevation: 25m. remarks: Vines climbing over herbs and shrubs. Wild. Seed.
- PI 532359 donor id: 163. origin: Mexico. local name: Calabacito. collected: December 31, 1985. collector: T.C. Andres, M. Nee. collector id: 163. locality: Bushy roadside, area flat, along hwy. Mex. 293 2km SE of Valle Hermosa, Municipal Chetumal. latitude: 19 deg. 10 min. N. longitude: 88 deg. 31 min. W. elevation: 25m. Wild. Seed.
- PI 532360 donor id: 165. origin: Mexico. local name: Calabasa sylvestre or Calabacita. collected: January 1, 1986. collector: T.C. Andres, M. Nee. collector id: 165. locality: Weedy, in manihot plantation, "Instituto de Investigaciones Agricolas", along hwy. Mex. 307, 14km SW of Bacalar, 5km NE of junction with hwy. Mex. 186, Municipal Chetumal. latitude: 18 deg. 34 min. N. longitude: 88 deg. 29 min. W. elevation: 10m. remarks: Mature fruits white (sun bleached), obvate to ellipsoid, hanging from dead vines. Living vines along roadside ditch still flowering. Bee pollinators collected at 9:00 A.M.. Wild. Seed.
- PI 532361 donor id: 169. origin: Mexico. local name: Calabacitas. collected: January 01, 1986. collector: T.C. Andres and M. Nee. collector id: 169. locality: Cut over low thorn forest; over abandoned shack, along hwy. Mex. 186, Puebla de Morelia, 30km W of Xpujil, Municipal Champoton. latitude: 18 deg. 31 min. N. longitude: 88 deg. 41 min. W. elevation: 100m. remarks: Vine. No uses reported. Wild. Seed.
- PI 532362 donor id: 170. origin: Mexico. local name: Calabacita de Monte. collected: January 1, 1986. collector: T.C. Andres and M. Nee. collector id: 170. locality: Weedy, climbing in tree in back yards near houses, Dieciocho de Marzo, along hwy. Mex. 186, 10km W of turn off to hwy. Mex. 261, Municipal Ciudad del Carmen. latitude: 18 deg. 37 min. N. longitude: 90 deg. 52 min. W. elevation: 50m. remarks: No uses reported. Wild. Seed.

PI 532363 to 532372. Cucurbita martinezii L. H. Bailey CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

PI 532363 **donor id:** 14. **origin:** Mexico. **local name:** Calabaszilla. **collected:** November 17, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 14. **locality:** Along wooded bank, 1 km WSW of Tamazunchale along Rio Moctezuma, Municipal Tamazunchale. **latitude:** 21 deg. 16 min. N. **longitude:** 98 deg. 48 min. W. **elevation:** 450m. **remarks:** Fruit broadly ellipsoid. Used as rattles. Wild. Seed.

PI 532364 **donor id:** 22. **origin:** Mexico. **collected:** November 20, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 22. **locality:** Along fence of garden, Patoltecoya, about 5km NE of Huauchinango on hwy 130, to Nuevo Necaxa, Municipal Huauchinango. **latitude:** 20 deg. 13 min. N. **longitude:** 98 deg. 00 min. W. **elevation:** 1300m. **remarks:** Some leaves lobed, some with white fungus. Two fruits. Not used locally. Tropical. Wild. Seed.

PI 532365 **donor id:** 29. **origin:** Mexico. **collected:** November 21, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 29. **locality:** Vines in orange trees next to stream bank, about 7km S of Alamo, 1 km S of La Concepcion on road to Ticontlan, Municipal Alamo. **latitude:** 20 deg. 50 min. N. **longitude:** 97 deg. 41 min. W. **elevation:** <100m. **remarks:** Fruits widely ellipsoid to spheroid. Wild. Seed.

PI 532366 **donor id:** 30. **origin:** Mexico. **collected:** November 22, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 30. **locality:** Disturbed subtropical forest, 5km SW of Zontecomatlan on road to Zilacatipan. **latitude:** 20 deg. 43 min. N. **longitude:** 98 deg. 22 min. W. **elevation:** 1350m. **remarks:** Single fruit. Wild. Seed.

PI 532367 **donor id:** 36. **origin:** Mexico. **collected:** November 25, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 36. **locality:** Throughout area thickets along stream banks, about 10km N of Platon Sanchez between Las Mesas de San Gabriel and El Palmar. **latitude:** 21 deg. 22 min. N. **longitude:** 98 deg. 21 min. W. **elevation:** 60m. **remarks:** Leaves not lobed. Wild. Seed.

- PI 532368 donor id: 92. origin: Mexico. collected: December 11, 1985. collector: T.C. Andres and J.J. Wyland. collector id: 92. locality: Cauducifolio. Tree and shrub area, edge of Rio Sordo, along old road to Coatepec. Jardin Botanico, (INIREB), 2.5km SW of southwest side of Xalapa. latitude: 19 deg. 31 min. N. longitude: 96 deg. 56 min. W. elevation: 1325m. remarks: Vine. Flowers cream or very light greenish yellow color. Fruits ellipsoid, 11cm long, 10cm wide. Rind very hard, 3.5mm thick in dried fruit. Flesh white and extremely bitter. Some plants with both lobed and unlobed leaves, some with faint white axillary leaf-vein spots. Wild. Seed.
- PI 532369 donor id: 116. origin: Mexico. local name: Saa shoot. collected: December 17, 1985. collector: T.C. Andres, M. Nee and G. Martin. collector id: 116. locality: Bottom of steep valley near rivers, disturbed edges of tropical forest, San Juan Comaltepec, Distrito Choapan. latitude: 17 deg. 20 min. N. longitude: 95 deg. 59 min. W. elevation: 525m. remarks: Vines dead. Mature fruits widely ellipsoid. Wild. Seed.
- PI 532370 donor id: 135. origin: Mexico. collected: December 22, 1985. collector: T.C. Andres and M. Nee. collector id: 135. locality: Cultivated area, formerly forest, dead vines in roadside tree, 5km WMW of Yabetclum, at turnoff to Las Limas, Municipal Chenalho. latitude: 16 deg. 57 min. N. longitude: 92 deg. 37 min. W. elevation: 1350m. remarks: Fruits obloid to obovate. Rind very hard. Used for ceremonial cups. Wild. Seed.
- PI 532371 donor id: 152. origin: Mexico. collected: December 27, 1985. collector: T.C. Andres and M. Nee. collector id: 152. locality: Grassy dump in lowland marsh behind houses, La Cancha, 17km NW of Ocosingo. latitude: 17 deg. 13 min. N. longitude: 92 deg. 13 min. W. elevation: 900m. remarks: Medicinal tea from ripe fruits cut up and used to cure stomach aches. Fruits 7, obovoid to obloid. Wild. Seed.
- PI 532372 donor id: 174. origin: Mexico. collected: January 3, 1986. collector: T.C. Andres and M. Nee. collector id: 174. locality: Pasture, along fencerow and irrigation ditch, along hwy. Mex. 140, 1 km SE of Corral Falso, Municipal Dos Rios. latitude: 19 deg. 27 min. N. longitude: 96 deg. 44 min. W. elevation: 775m. remarks: Vine. Sympatric with *C. sororia*. No evidence of interspecific hybridization. Wild. Seed.

PI 532373 to 532384. Cucurbita moschata (Duch.) Duch. ex Poir.  
CUCURBITACEAE Summer squash

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

- PI 532373 **donor id:** 43. **origin:** Mexico. **collected:** November 26, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 43. **locality:** Nogales, between Conca to the NW and Purisima to the SE. **latitude:** 21 deg. 23 min. N. **longitude:** 99 deg. 37 min. W. **elevation:** 700m. **remarks:** Fruit clavate with long neck 10-47cm long, 8-13cm long, green mottlings and broken stripes with or without waxy bloom. Flesh sweet and orange. Rind soft to moderately hard. Seeds partly or readily separate from flesh. Cultivated. Seed.
- PI 532374 **donor id:** 51. **origin:** Mexico. **local name:** Tamalayota. **collected:** November 29, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 51. **locality:** Balsas valley, 2km SW of Pena Prieta on hwy. Mex. 51, Municipal Huetamo de Nunez. **latitude:** 18 deg. 49 min. N. **longitude:** 100 deg. 57 min. W. **elevation:** 600m. **remarks:** Leaves entire, rounded. Fruit oblong, squat pyriform to clavate 14-40.5cm long, 15.20cm wide. Rind hard. Flesh orange. Eat chopped up when immature and tender. Mature fruits used for dulce. Wild. Seed.
- PI 532375 **donor id:** 90. **origin:** Mexico. **collected:** December 8, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 90. **locality:** In food store, Coalcoman de Matamoros. **latitude:** 18 deg. 47 min. N. **longitude:** 103 deg. 11 min. W. **elevation:** 1000m. **remarks:** Fruit pyriform, green with lighter green broken stripes or spots, 40cm long, 30.5cm wide. Rind hard. Flesh orange and very coarse. Seed cavity 16.5cm long, 24cm wide. Seeds more desirable for consumption than the flesh. Cultivated. Seed.
- PI 532376 **donor id:** 111. **origin:** Mexico. **local name:** Tamala. **collected:** December 16, 1985. **collector:** T.C. Andres, M. Nee and G. Martin. **collector id:** 111. **locality:** Dry slopes and maize fields surrounded by thornscrub, 0.5km SW of San Bartolo Albarradas, about 20km E of Nitla, Distrito Tlacolul, Municipal Albarradas. **latitude:** 16 deg. 56 min. N. **longitude:** 96 deg. 14 min. W. **elevation:** 1350m. **remarks:** Fruits globose, obloid to pyriform green-yellow-cream color, 8-11.5cm long, 12.5-18cm wide. Used to make dulce. Cultivated. Seed.

PI 532373 to 532384-continued

- PI 532377 **donor id:** 121. **origin:** Mexico. **collected:** December 20, 1985. **collector:** T.C. Andres, M. Nee and J.J. Wyland. **collector id:** 121. **locality:** Hotel manager, edge of Juchitan near hwy. Mex. 190, Distrito Juchitan, Municipal Juchitan. **latitude:** 16 deg. 27 min. N. **longitude:** 95 deg. 02 min. W. **elevation:** 15m. **remarks:** Fruit cream colored, globose, slightly ribbed, 23cm long, 25.5cm wide. Rind soft. Flesh orange, 2.5cm thick. Cultivated. Seed.
- PI 532378 **donor id:** 130. **origin:** Mexico. **collected:** December 21, 1985. **collector:** T.C. Andres, M. Nee. **collector id:** 130. **locality:** Disturbed vegetation, river valley, dry forest, 4km SE of Venustiano Carranza, Municipal Venustiano Carranza. **latitude:** 16 deg. 18 min. N. **longitude:** 92 deg. 29 min. W. **elevation:** 650m. **remarks:** Fruit obovate, oblong, ellipsoid, ovate or clavate 14-73cm long, 13-26.5cm wide. Some green, some warted. Flesh orange, 2.5-4cm thick. Rind soft-hard. Plant in June, harvest in December. Cultivated. Seed.
- PI 532379 **donor id:** 150. **origin:** Mexico. **collected:** December 27, 1985. **collector:** T.C. Andres, and M. Nee. **collector id:** 150. **locality:** Dry scrub forest along steep rocky slope, 27km S of Frontere Comalapa, along hwy. Mex. 190, vicinity of Amatenango de la Frontera, a few hundred meters from the Guatemala border, Municipal Amatenango de la Frontera. **latitude:** 15 deg. 26 min. N. **longitude:** 92 deg. 06 min. W. **elevation:** 850m. **remarks:** Fruit obloid-pyriform, globose, obovoid warted and ribbed to dark green with lighter green spots, 13.5-21.5cm long, 14-23cm wide. Flesh 3-4cm thick. Cultivated. Seed.
- PI 532380 **donor id:** 155. **origin:** Mexico. **collected:** December 29, 1985. **collector:** T.C. Andres, and M. Nee. **collector id:** 155. **locality:** Level ranchland, tropical forest, 14km SW of Ojo de Agua along hwy. Mex. 186, near Buenavista and Rio Candelaria, Municipal Ciudad del Carmen. **latitude:** 18 deg. 16 min. N. **longitude:** 91 deg. 18 min. W. **elevation:** 50m. **remarks:** Fruit obloid, with deep ribs or scalloped, green with yellow spots, 15cm long 24cm wide. Rind hard. Flesh yellow-orange and fairly coarse, 3cm thick. Seed cavity 10cm long, 15cm wide. Fruits used to make dulce or cut up for soups. Grown with beans. Cultivated. Seed.



PI 532381 **donor id:** 161. **origin:** Mexico. **collected:** December 30, 1985. **collector:** T.C. Andres, and M. Nee. **collector id:** 161. **locality:** Market place at Campeche, Municipal Campeche. **latitude:** 19 deg. 51 min. N. **longitude:** 90 deg. 35 min. W. **elevation:** 5m. **remarks:** Fruits acorn/heart to scallop shape, ribbed, 9-10cm long, 16.5-28cm wide. Rind hard. Flesh orange, 4-5cm thick. Immature fruits cut up and fried. Seeds of mature fruit eaten. Used for dulce. Cultivated. Seed.

PI 532382 **donor id:** 166. **origin:** Mexico. **local name:** Calabasa. **collected:** January 1, 1986. **collector:** T.C. Andres, and M. Nee. **collector id:** 166. **locality:** Francisco Villa, along hwy. Mex. 186, 3km W of turnoff to Zona Arqueologica Kohunlich, Municipal Chetumal. **latitude:** 18 deg. 34 min. N. **longitude:** 88 deg. 29 min. W. **elevation:** 10m. **remarks:** Fruit unusually flattened with depressed center (discoid), deep ribs, dark green with orange spots, 5cm long, 16.5cm wide. Rind fairly soft. Flesh deep orange. Fine textured and very sweet. Cut up fruit and put in soups or used for dulce. Seeds roasted or saved for next years planting. Cultivated. Seed.

PI 532383 **donor id:** 167. **origin:** Mexico. **local name:** Calabasa. **collected:** January 1, 1986. **collector:** T.C. Andres, and M. Nee. **collector id:** 167. **locality:** Francisco Villa, along hwy. Mex. 186, 3km W of turnoff to Zona Arqueologica Kohunlich, Municipal Chetumal. **latitude:** 18 deg. 34 min. N. **longitude:** 88 deg. 29 min. W. **elevation:** 10m. **remarks:** Fruit obloid to ovoid-obloid, ribbed, green with yellow spots and reticulations, 9-14cm long 10-17cm wide. Rind medium soft. Flesh orange, medium textured. Cultivated. Seed.

PI 532384 **donor id:** 168. **origin:** Mexico. **local name:** Calabasa. **collected:** January 1, 1986. **collector:** T.C. Andres, and M. Nee. **collector id:** 168. **locality:** Francisco Villa, along hwy. Mex. 186, 3km W of turnoff to Zona Arqueologica Kohunlich, Municipal Chetumal. **latitude:** 18 deg. 34 min. N. **longitude:** 88 deg. 29 min. W. **elevation:** 10m. **remarks:** Fruit large ovoid, green with light yellow spots and reticulations 20.5cm long, 19cm wide. Flesh orange, 4cm thick. Peduncle hard, cylindrical, slightly swollen. Cut up fruit and put in soups or used for dulce. Seeds roasted or saved for next years planting. Preferred type over PI 532383. Cultivated. Seed.

PI 532385 to 532389. Cucurbita pepo L. CUCURBITACEAE Squash

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

- PI 532385 **donor id:** 20. **origin:** Mexico. **local name:** Calabaza. **collected:** November 20, 1985. **collector:** T.C. Andres, J.J. Wyland. **collector id:** 20. **locality:** Santa Maria Asuncion, 13km NE of Tulancingo de Bravo on hwy. Mex. 130 to Huachinango. **latitude:** 20 deg. 09 min. N. **longitude:** 98 deg. 16 min. W. **elevation:** 2200m. **remarks:** Ellipsoid, obloid, to oblong, ribbed, finely green reticulated 7.5 to 19.5cm long, 11.5-20cm wide. Rind usually hard. Flesh orange. Home of Carome Tellez and Mario Ramos. Cultivated. Seed.
- PI 532386 **donor id:** 44. **origin:** Mexico. **collected:** November 27, 1985. **collector:** T.C. Andres, J.J. Wyland. **collector id:** 44. **locality:** Maize field, between Palmillas and La Pena on road to Miquihuana. **latitude:** 23 deg. 29 min. N. **longitude:** 99 deg. 43 min. W. **elevation:** 1700m. **remarks:** Fruit obloid, to oblong, with superficial ribs, white with fine uniform green reticulation. Peduncle deep grooved, twice diameter of attached stem. Flesh pale yellow, not bitter. Fruits used to make soup and dulce. Cultivated. Seed.
- PI 532387 **donor id:** 110. **origin:** Mexico. **local name:** Guichi. **collected:** December 16, 1985. **collector:** T.C. Andres, M. Nee and G. Martin. **collector id:** 110. **locality:** Dry slopes and maize fields surrounded by thorn scrub, 0.5km SW of San Bartolo Albarradas, about 20km E of Mitla, Distrito Tlacolula, Municipal Albarradas. **latitude:** 16 deg. 56 min. N. **longitude:** 96 deg. 14 min. W. **elevation:** 1350m. **remarks:** Fruit globose, slightly ribbed, 14cm long and 18.5cm wide. Flesh pale yellow. Used to make dulce. Cultivated. Seed.
- PI 532388 **donor id:** 118. **origin:** Mexico. **collected:** December 18, 1985. **collector:** T.C. Andres, M. Nee and G. Martin. **collector id:** 118. **locality:** Disturbed area in thorn scrub, San Bartolo Albarradas, Distrito Tlacolula, Municipal Albarradas. **latitude:** 16 deg. 57 min. N. **longitude:** 96 deg. 13 min. W. **elevation:** 1350m. **remarks:** Fruits flattened globose to cylindrical, pale green to green with darker green splotches, most ribbed, 15-16cm long, 20.5-21cm wide. Flesh cream colored. Cultivated. Seed.

PI 532385 to 532389-continued

PI 532389 donor id: 176. origin: Mexico. local name: Calabasa tutume. collected: January 9, 1986. collector: T.C. Andres, M. Nee. collector id: 176. locality: 22km SSW of Llera de Canales, 1 km E of turnoff from hwy. Mex. 85, S side of Miradores el Encino. latitude: 23 deg. 08 min. N. longitude: 99 deg. 06 min. W. elevation: 200m. remarks: Fruits fairly uniform, elongated obovate, 24cm long, 16cm in diameter, orange when mature, smooth, some with very slight ribs. Flesh pale yellow, 3-3.5cm thick. Eaten primarily when thick. Cultivated. Seed.

PI 532390. *Cucurbita radicans* Naudin CUCURBITACEAE

Donated by: Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

donor id: 67. origin: Mexico. collected: December 6, 1985. collector: T.C. Andres, J.J. Wyland. collector id: 67. locality: Weedy cicer field, volcanic rocky soil, 5km W of Jiquilpan de Juarez on S side of hwy. Mex. 110, Municipal Jiquilpan de Juarez. latitude: 19 deg. 59 min. N. longitude: 102 deg. 46 min. W. elevation: 1900m. remarks: Fruit spheroid to obloid. Flowers few. Some of tubercles on top of ground. Wild. Tuber.

PI 532391 to 532392. *Cucurbita scabridifolia* L. Bailey CUCURBITACEAE

Donated by: Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

PI 532391 donor id: 6. origin: Mexico. collected: November 13, 1985. collector: T.C. Andres, J.J. Wyland. collector id: 6. locality: Cienaga del Toro, Municipal Galeana. latitude: 25 deg. 05 min. N. longitude: 100 deg. 21 min. W. elevation: 2300m. remarks: Fruits bright yellow with faint green streaks, nearly spheroid. Possibly a naturally occurring introgressive hybrid taxa between *C. foetidissima* and *C. pedatifolia*. Wild. Seed.

PI 532392 donor id: 49. origin: Mexico. local name: Calabacita. collected: November 27, 1985. collector: T.C. Andres, J.J. Wyland. collector id: 49. locality: Weed, maize field, Altamira, between Palmillas to SSE and Miquihuana to the NW. latitude: 23 deg. 27 min. N. longitude: 99 deg. 38 min. W. elevation: 1800m. remarks: Fruits used for toys. Possibly a naturally occurring introgressive hybrid taxa between *C. foetidissima* and *C. pedatifolia*. Wild. Seed.

Donated by: Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

- PI 532393 donor id: 50. origin: Mexico. local name: Chamaco. collected: November 29, 1985. collector: T.C. Andres and J.J. Wyland. collector id: 50. locality: Thornscrub deciduous forest, 2km SW of Pena Prieta on hwy. Mex. 51, in Balsas valley, Municipal Huetamo de Nunez. latitude: 18 deg. 49 min. N. longitude: 100 deg. 57 min. W. elevation: 600m. remarks: Fruits variable, some pyriform, obovate, or ellipsoid, all bitter and similar in color pattern, dark green, eventually turning yellow with white broken or spotted stripes. Flesh orange or white. Possibly some introgression with *C. argyrosperma* Huber. Wild. Seed.
- PI 532394 donor id: 53. origin: Mexico. local name: Calabacillo. collected: November 30, 1985. collector: T.C. Andres, J.J. Wyland. collector id: 53. locality: Roadside, La Nueva, 2km SW of Vallecitos de Zaragoza. latitude: 17 deg. 53 min. N. longitude: 101 deg. 21 min. W. elevation: 500m. remarks: Vine. Fruits bitter, some eaten by boiling cut-up pieces in two changes of water and boiling in sugar water. Wild. Seed.
- PI 532395 donor id: 56. origin: Mexico. collected: November 30, 1985. collector: T.C. Andres, J.J. Wyland. collector id: 56. locality: Moist tropical vegetation next to road, La Cuba, 9km S of Vallecitos de Zaragoza. latitude: 17 deg. 51 min. N. longitude: 101 deg. 21 min. W. elevation: 400m. remarks: Fruit spheroid to ellipsoid, without distinct white stripes seen in fruits from drier thornscrub regions. Wild. Seed.
- PI 532396 donor id: 57. origin: Mexico. collected: November 30, 1985. collector: T.C. Andres, J.J. Wyland. collector id: 57. locality: Moist tropical steep ravine, next to stream, sandy soil in mostly shaded area, about 1 km from road, La Cuba, 9km S of Vallecitos de Zaragoza. latitude: 17 deg. 51 min. N. longitude: 101 deg. 20 min. W. elevation: 400m. remarks: Fruit very small and ellipsoid, only 3.5cm in length, without distinct white stripes seen in fruits from drier thornscrub. Seeds normal in size. Wild. Seed.
- PI 532397 donor id: 72. origin: Mexico. collected: December 7, 1985. collector: T.C. Andres, J.J. Wyland. collector id: 72. locality: 30km E of Colima on hwy. Mex. 110. latitude: 19 deg. 11 min. N. longitude: 103 deg. 27 min. W. elevation: 600m. remarks: Fruits obovate, green with white broken stripes or spots. Wild. Seed.

- PI 532398 donor id: 80. origin: Mexico. local name: Calabacilla. collected: December 7, 1985. collector: T.C. Andres, J.J. Wyland. collector id: 80. locality: Lagunillas, just N of San Pedro and turnoff E to Tecalitlan, S of Ciudad Guzman along hwy. Mex. 110. latitude: 19 deg. 28 min. N. longitude: 103 deg. 21 min. W. elevation: 1150m. remarks: Fruits polymorphic, 5-13cm in length, round to pyriform and oblong in shape, nearly all green with just a few white spots to nearly all white with a few green streaks. Flesh white-orange. Rind hard. Seeds eaten for kidney or liver problems, prepared by washing and grinding, sometimes add cinnamon and a little sugar, mix with rice. Wild. Seed.
- PI 532399 donor id: 81. origin: Mexico. collected: December 8, 1985. collector: T.C. Andres, J.J. Wyland. collector id: 81. locality: Along road exposed slope, WSW of Coalcoman de Matamoros, at turnoff to Los Herreros. latitude: 18 deg. 44 min. N. longitude: 103 deg. 15 min. W. elevation: 1400m. remarks: Fruits spheroid. Wild. Seed.
- PI 532400 donor id: 99. origin: Mexico. collected: December 13, 1985. collector: T.C. Andres, M. Nee and J.J. Wyland. collector id: 99. locality: Bushy and grassy, gravelly roadside, along hwy. Mex. 150, 6km W of La Tinaja junction, Municipal Cotaxtla. latitude: 18 deg. 45 min. N. longitude: 96 deg. 31 min. W. elevation: 200m. remarks: Fruits spheroid to ellipsoid. Wild. Seed.
- PI 532401 donor id: 104. origin: Mexico. collected: December 14, 1985. collector: T.C. Andres, M. Nee and J.J. Wyland. collector id: 104. locality: Roadside bushy fencerow surrounded by fields of tobacco and other crops, 1 km S of Sihuapan, Municipal San Andres Tuxtla. latitude: 18 deg. 25 min. N. longitude: 95 deg. 10 min. W. elevation: 225m. remarks: Fruit 5.8cm long, 6cm wide, dark green with lighter green spotted stripes. Flesh white, bitter. Rind medium soft. Wild. Seed.
- PI 532402 donor id: 123. origin: Mexico. collected: December 20, 1985. collector: T.C. Andres, M. Nee and J.J. Wyland. collector id: 123. locality: Short tree forest, Las Minas, along hwy. Mex. 190, 7.5km ENE of Tapanatepec, 10.5km SW of where hwy. Mex. 190 crosses Oaxaca-Chiapas state border, Distrito Juchitan, Municipal Tapanatepec. latitude: 16 deg. 23 min. N. longitude: 94 deg. 08 min. W. elevation: 200m. remarks: Fruits obovate. Wild. Seed.

PI 532393 to 532411-continued

- PI 532403 **donor id:** 127. **origin:** Mexico. **collected:** December 20, 1985. **collector:** T.C. Andres, M. Nee and J.J. Wyland. **collector id:** 127. **locality:** Thornscrub, roadside ditch, along hwy. Mex. 190, outskirts of Chiapa de Corzo. **latitude:** 16 deg. 42 min. N. **longitude:** 93 deg. 00 min. W. **elevation:** 400m. **remarks:** Fruits obovate to globose. Wild. Seed.
- PI 532404 **donor id:** 129. **origin:** Mexico. **collected:** December 21, 1985. **collector:** T.C. Andres and M. Nee. **collector id:** 129. **locality:** Disturbed vegetation in river valley (Rio Blanco), dry forest, 5km NW of Pujilic, Municipal Venustiano Carranza. **latitude:** 16 deg. 18 min. N. **longitude:** 92 deg. 29 min. W. **elevation:** 650m. Wild. Seed.
- PI 532405 **donor id:** 131. **origin:** Mexico. **local name:** Calabasa de caballo. **collected:** December 21, 1985. **collector:** T.C. Andres and M. Nee. **collector id:** 131. **locality:** Thorn forest, mostly cultivated, with brushy roadsides, 6km NW of Flores Magon on road NW to Villa de Acala, Municipal Chiapilla. **latitude:** 16 deg. 25 min. N. **longitude:** 92 deg. 43 min. W. **elevation:** 475m. **remarks:** Fruit obovate to ellipsoid. Flesh bitter. No uses reported. Wild. Seed.
- PI 532406 **donor id:** 137. **origin:** Mexico. **collected:** December 23, 1985. **collector:** T.C. Andres and M. Nee. **collector id:** 137. **locality:** Disturbed tropical deciduous forest in valley bottom, along Rio San Juan between Ciudad Cuauhtemoc and Paso Hondo. **latitude:** 15 deg. 41 min. N. **longitude:** 92 deg. 01 min. W. **elevation:** 700m. **remarks:** Fruit obovate to spheroid. Wild. Seed.
- PI 532407 **donor id:** 146. **origin:** Mexico. **local name:** Calabasa de caballo. **collected:** December 24, 1985. **collector:** T.C. Andres and M. Nee. **collector id:** 146. **locality:** Lowland tropical rainforest, grazed areas and fields, along hwy. Mex. 200, 6km NW of Mapastepec, just east of Rio Novillero, Municipal Mapastepec. **latitude:** 15 deg. 30 min. N. **longitude:** 92 deg. 56 min. W. **elevation:** 25m. **remarks:** Fruit obovate to ellipsoid. Wild. Seed.

- PI 532408 donor id: 148. origin: Mexico. collected: December 24, 1985. collector: T.C. Andres and M. Nee. collector id: 148. locality: Along Pacific Ocean, mostly fallen to ground underneath shrubs growing behind the dunes, 1 km NW of center of Puerto Arista, Municipal Tonala. latitude: 15 deg. 56 min. N. longitude: 93 deg. 49 min. W. elevation: 1m. remarks: Fruits uniform in size, shape and color pattern, elliptical to obovate with green and white stripes and fine green reticulations, bitter. Decorations occasionally painted on fruits. Wild. Seed.
- PI 532409 donor id: 149. origin: Mexico. local name: Calabasa de caballo. collected: December 27, 1985. collector: T.C. Andres and M. Nee. collector id: 149. locality: Dry scrub forest along steep rocky slope next to maize, squash, bean field, 27km S of Frontere Comalapa, along hwy. Mex. 190, vicinity of Amatenango de la Frontera, a few hundred meters from the Guatemala border. latitude: 15 deg. 26 min. N. longitude: 92 deg. 06 min. W. elevation: 850m. remarks: Fruits obovate to globose, 4-8cm long, bitter. Occasionally eaten by wild animals. Wild. Seed.
- PI 532410 donor id: 173. origin: Mexico. collected: January 3, 1986. collector: T.C. Andres and M. Nee. collector id: 173. locality: Rocky limestone hills and calcareous gravel of roadside and quarry, along hwy. Mex. 140, 9km SE of Corral Falso, Municipal Dos Rios. latitude: 19 deg. 26 min. N. longitude: 96 deg. 41 min. W. elevation: 500m. Wild. Seed.
- PI 532411 donor id: 177. origin: Mexico. local name: Calabacita. collected: January 9, 1986. collector: T.C. Andres and M. Nee. collector id: 177. locality: Valley, 9km SSW of Llera de Canales, along hwy. Mex. 85, Municipal Llera de Canales. latitude: 23 deg. 13 min. N. longitude: 99 deg. 06 min. W. elevation: 350m. remarks: Fruits ovate, bitter, white with green stripes with fine reticulations, or green with broken white stripes or spots. Wild. Seed.

PI 532412. *Cyclanthera langaei* Cogn. CUCURBITACEAE

Donated by: Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

PI 532412-continued

donor id: 91. origin: Mexico. collected: December 11, 1985. collector: T.C. Andres, M. Nee and J.J. Wyland. collector id: 91. locality: Tangled vines in understory, edge of Jardin Botanico, INIREB, 2.5km SW of southwest side of Xalapa, along old road to Coatepec, Municipal Xalapa. latitude: 19 deg. 31 min. N. longitude: 96 deg. 56 min. W. elevation: 1325m. remarks: Fruits explosively dehiscent. Wild. Seed.

PI 532413. *Cyclanthera* sp. CUCURBITACEAE

Donated by: Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

donor id: 142. origin: Mexico. collected: December 24, 1985. collector: T.C. Andres, M. Nee. collector id: 142. locality: Bottom of gorge in tropical forest, along stream bank, along hwy. Mex. 190, 17km upstream from bridge over Rio Huixtla, 3km N of Belisario Dominguez, Municipal Motozintla. latitude: 15 deg. 17 min. N. longitude: 92 deg. 09 min. W. elevation: 675m. remarks: Fruits explosively dehiscent. Seeds black and sticky. Wild. Seed.

PI 532414 to 532415. *Dieterlea fusiformis* Lott CUCURBITACEAE

Donated by: Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

PI 532414 donor id: 78. origin: Mexico. collected: December 7, 1985. collector: T.C. Andres, J.J. Wyland. collector id: 78. locality: Deciduous short-tree and cactus forest on E facing rocky cliff, about 20km S of Colima on hwy. Mex. 110. latitude: 19 deg. 06 min. N. longitude: 103 deg. 47 min. W. elevation: 500m. remarks: Semi-woody, glabrous viney stems. Aril-like, red pulp surrounding seeds, sweet. Seeds bitter. Wild. Seed.

PI 532415 donor id: 79. origin: Mexico. collected: December 6, 1985. collector: T.C. Andres and J.J. Wyland. collector id: 79. locality: Deciduous short-tree and cactus forest on S facing rocky cliff, next to "Jocotepec 25" sign, just W of Chapala on road to Jocotepec along N shore of Lago de Chapala, Municipal Chapala. latitude: 20 deg. 21 min. N. longitude: 103 deg. 13 min. W. elevation: 1600m. remarks: Semi-woody, glabrous viney stems. Aril-like, red pulp surrounding seeds, sweet. Seeds bitter. Wild. Seed.



PI 532416. *Echinopepon racemosus* (Steudel) Jeffrey CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

**donor id:** 42. **origin:** Mexico. **collected:** November 29, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 42. **locality:** Thornscrub deciduous forest along dried creek bed, 2km SW of Pena Prieta on hwy. Mex. 51 in Balsas valley, Municipal Huetamo de Nunez. **latitude:** 18 deg. 49 min. N. **longitude:** 100 deg. 57 min. W. **elevation:** 600m. Wild. Seed.

PI 532417. *Ibervillea millspaughii* (Cogn.) Jeffery CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

**donor id:** 172. **origin:** Mexico. **collected:** January 3, 1986. **collector:** T.C. Andres and M. Nee. **collector id:** 172. **locality:** Sand dunes along Gulf of Mexico, along hwy. Mex. 180, 15km NW of bridge at Alvarado, Municipal Alvaraado. **latitude:** 18 deg. 51 min. N. **longitude:** 95 deg. 52 min. W. **elevation:** 1-10m. **remarks:** Vine. Stem green, glaucous, turning tan and semi-woody in older portions. Fruits at maturity bright yellow-orange, 5-7cm long, 3.5cm in diameter, smooth on outside, slightly few sulcate, when immature green and light green mottled. Seeds parietal in three lines, horizontal, black, surrounded by red sweet pulp. Wild. Seed.

PI 532418. *Melothria pendula* L. CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

**donor id:** 95. **origin:** Mexico. **collected:** December 12, 1985. **collector:** T.C. Andres, M. Nee and J.J. Wyland. **collector id:** 95. **locality:** Bosque Caducifolio, barranca between Coscomatepec and Chocaman along hwy. Mex. 143, 9km SSE of Coscomatepec. Municipal Chocaman. **latitude:** 19 deg. 02 min. N. **longitude:** 97 deg. 01 min. W. **elevation:** 1320m. Wild. Seed.

PI 532419. *Melothria* sp. CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

**donor id:** 144. **origin:** Mexico. **collected:** December 24, 1985. **collector:** T.C. Andres, M. Nee. **collector id:** 144. **locality:** Disturbed tropical forest, near bridge of hwy. Mex. 190 over Rio Huixtla, 8km NE of Huixtla, Municipal Tapachula. **latitude:** 15 deg. 11 min. N. **longitude:** 92 deg. 25 min. W. **elevation:** 175m. **remarks:** Vines. Fruit 2.5cm long. Wild. Seed.

PI 532420. *Melothria trilobata* Cogn. CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

**donor id:** 143. **origin:** Mexico. **collected:** December 24, 1985. **collector:** T.C. Andres, M. Nee. **collector id:** 143. **locality:** Bushy forest on slope, 0.5km downstream from and S of Belisario Dominguez, Municipal Motozintla. **latitude:** 15 deg. 15 min. N. **longitude:** 92 deg. 24 min. W. **elevation:** 575m. **remarks:** Fruits elliptical, bright deep yellow, up to 5.5cm long, 4cm wide. Wild. Seed.

PI 532421. *Passiflora mollissima* (H. B. K.) Bailey PASSIFLORACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

**donor id:** 63. **origin:** Mexico. **local name:** Juanito or Migalito. **collected:** December 4, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 63. **locality:** San Jeronimo, 2km W of Villa del Carbon. **latitude:** 19 deg. 44 min. N. **longitude:** 99 deg. 29 min. W. **elevation:** 2650m. **remarks:** Vine, 9m into a tree. Aril bright yellow. Seeds eaten. Beverage made from pulpy aril. Wild. Seed.

PI 532422. *Peponopsis adhaerens* Naudin CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

**donor id:** 23. **origin:** Mexico. **local name:** Asasates. **collected:** November 20, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 23. **locality:** Disturbed tropical forest, over shed into trees, Lagunillas, 3km W of Mazacoatlan on road to intersection with hwy. Mex. 130, Municipal Zihuateutla. **latitude:** 20 deg. 13 min. N. **longitude:** 97 deg. 56 min. W. **elevation:** 1100m. **remarks:** Few female flowers. Corolla pale yellow. Fruits not bitter. May be used for soap. Wild. Seed.

PI 532423 to 532428. *Polyclathra* sp. CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

- PI 532423 **donor id:** 39. **origin:** Mexico. **collected:** November 29, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 39. **locality:** Semi-deciduous short tree forest in roadside shrubs, between Pena Prieta and Tiquicheo on hwy. Mex. 51, Municipal Tiquicheo. **latitude:** 18 deg. 54 min. N. **longitude:** 100 deg. 55 min. W. **elevation:** 1000m. **remarks:** Some flowering, others with green fruits, sympatric with *schizocarpum*. Wild. Seed.
- PI 532424 **donor id:** 69. **origin:** Mexico. **collected:** December 7, 1985. **collector:** T.C. Andres and J.J. Wyland. **collector id:** 69. **locality:** North facing moist barranca, 1.5km E of turnoff to La Higuera along hwy. Mex. 110. **latitude:** 19 deg. 25 min. N. **longitude:** 103 deg. 24 min. W. **elevation:** 1800m. Wild. Seed.
- PI 532425 **donor id:** 120. **origin:** Mexico. **collected:** December 19, 1985. **collector:** T.C. Andres, M. Nee and J.J. Wyland. **collector id:** 120. **locality:** Thornscrub, along hwy. 190, 11km NW of turnoff to San Juan la Jarcia, Distrito Yautepec, Municipal Nejapa. **latitude:** 16 deg. 33 min. N. **longitude:** 96 deg. 00 min. W. **elevation:** 1000m. Wild. Seed.
- PI 532426 **donor id:** 124. **origin:** Mexico. **collected:** December 20, 1985. **collector:** T.C. Andres, M. Nee and J.J. Wyland. **collector id:** 124. **locality:** Short tree deciduous forest on slope, along hwy. Mex. 190, 1 km E of Oaxaca-Chiapas state border, Municipal Cintalapa. **latitude:** 16 deg. 28 min. N. **longitude:** 94 deg. 05 min. W. **elevation:** 625m. Wild. Seed.
- PI 532427 **donor id:** 136. **origin:** Mexico. **collected:** December 23, 1985. **collector:** T.C. Andres, M. Nee and J.J. Wyland. **collector id:** 136. **locality:** Deciduous dry scrub forest, along hwy. Mex. 190, 7km NNW of bridge at San Gregorio, Municipal La Trinitaria. **latitude:** 15 deg. 54 min. N. **longitude:** 92 deg. 00 min. W. **elevation:** 700m. **remarks:** Fruit ellipsoid, 8cm long. Wild. Seed.
- PI 532428 **donor id:** 141. **origin:** Mexico. **collected:** December 24, 1985. **collector:** T.C. Andres and M. Nee. **collector id:** 141. **locality:** Slopes with dry forest, partly under-planted to coffee, along hwy. Mex. 190, 10km SW of Motozintla, E of Belisario Dominguez, Municipal Motozintla. **latitude:** 15 deg. 19 min. N. **longitude:** 92 deg. 20 min. W. **elevation:** 1300m. Wild. Seed.

PI 532429 to 532431. *Schizocarpum* sp. CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

PI 532429 donor id: 40. origin: Mexico. collected: November 29, 1985. collector: T.C. Andres and J.J. Wyland. collector id: 40. locality: Semi-deciduous short-tree forest, abundant along road bank, between Pena Prieta and Tiquicheo on hwy. Mex. 51, Municipal Tiquicheo. latitude: 18 deg. 54 min. N. longitude: 100 deg. 55 min. W. elevation: 1000m. remarks: Flowering and dried dehiscent fruits. Sympatric with *Polyclathra*. Wild. Seed.

PI 532430 donor id: 55. origin: Mexico. collected: November 30, 1985. collector: T.C. Andres and J.J. Wyland. collector id: 55. locality: Along rocky stream in a barranca, S of Zihuaquio and N of Vallecitos de Zaragoza. latitude: 18 deg. 00 min. N. longitude: 101 deg. 17 min. W. elevation: 1500m. remarks: Flowers yellow. Mature fruit dry. Wild. Seed.

PI 532431 donor id: 71. origin: Mexico. collected: December 8, 1985. collector: T.C. Andres and J.J. Wyland. collector id: 71. locality: Thornscrub habitat, in moist barranca, 22km SW of Coalcoman de Matamoros. latitude: 18 deg. 42 min. N. longitude: 103 deg. 43 min. W. elevation: 1000m. Wild. Seed.

PI 532432. *Sechiopsis triquetra* (Mocino & Sesse ex DC.) Naudin  
CUCURBITACEAE

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

donor id: 38. origin: Mexico. local name: Chonina. collected: November 29, 1985. collector: T.C. Andres and J.J. Wyland. collector id: 38. locality: Along edge of maize/cucumber field in a hedgegrow, about 20km SW of Zitacuaro on hwy. Mex. 51 between Santa Ana de Guerrero and Paricuaro, Municipal Benito Juarez. latitude: 19 deg. 16 min. N. longitude: 100 deg. 26 min. W. elevation: 1250m. remarks: No uses reported. Wild. Seed.

PI 532433. *Sicana odorifera* (Vell.) Naud. CUCURBITACEAE Cassasanana

**Donated by:** Andres, T.C., Department of Vegetable Crops, Cornell University, Ithaca, New York, United States. Received June 9, 1988.

donor id: 96. origin: Mexico. local name: Calabasa melona. collected: December 13, 1985. collector: T.C. Andres, M. Nee and J.J. Wyland. collector id: 96. locality: Roadside stand near sugar plantation and bridge over a small tributary of Rio Atoyac, 2.5km NE of Atoyac, Municipal Paso del Macho. latitude: 18 deg. 56 min. N. longitude: 96 deg. 46 min. W. elevation: 500m. remarks: Fruit oblong, red with yellow flesh. Rind soft. To prepare peel, cut in slices, boil in sugar water. Wild. Seed.

PI 532434 to 532448. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Huan, Sun, Jilin Academy of Agricultural Sciences, Gongzhuling, Jilin, China, Peoples Repub of. remarks: Received through USDA-OICD Soybean Production and Genetic Resources Team, August 1988. Received April 3, 1989.

- PI 532434 donor id: GD2016. origin: China, Peoples Repub of. cultivar: HEI MO DOU. Cultivar. Seed.
- PI 532435 donor id: GD2300. origin: China, Peoples Repub of. cultivar: HE NONG 10. Cultivar. Seed.
- PI 532436 donor id: GD2588. origin: China, Peoples Repub of. cultivar: HE FENG 6. Cultivar. Seed.
- PI 532437 donor id: GD2685. origin: China, Peoples Repub of. cultivar: GU NIAN DOU. Cultivar. Seed.
- PI 532438 donor id: GD2758. origin: China, Peoples Repub of. cultivar: BEI LIANG 11. Cultivar. Seed.
- PI 532439 donor id: GD2990. origin: China, Peoples Repub of. cultivar: FUSONG YOU XIAN BAI HUA. Cultivar. Seed.
- PI 532440 donor id: GD3001. origin: China, Peoples Repub of. cultivar: ANTU HEI DOU. Cultivar. Seed.
- PI 532441 donor id: GD3030. origin: China, Peoples Repub of. cultivar: HUINAN DO LAN QI. Cultivar. Seed.
- PI 532442 donor id: GD3291. origin: China, Peoples Repub of. cultivar: BAI MAD ZI. Cultivar. Seed.
- PI 532443 donor id: GD3655. origin: China, Peoples Repub of. cultivar: SI LI HUANG. Cultivar. Seed.
- PI 532444 donor id: GD5091. origin: China, Peoples Repub of. cultivar: GONGPENG MO SHI DOU. Cultivar. Seed.

PI 532434 to 532448-continued

- PI 532445 donor id: GD5135. origin: China, Peoples Repub of.  
cultivar: BEI FENG 1. Cultivar. Seed.
- PI 532446 donor id: GD5136. origin: China, Peoples Repub of.  
cultivar: BEI FENG 2. Cultivar. Seed.
- PI 532447 donor id: GD6094. origin: China, Peoples Repub of.  
cultivar: CHANGBAI BA YUE HUANG. Cultivar. Seed.
- PI 532448 donor id: GD6142. origin: China, Peoples Repub of.  
cultivar: HUA DIAN BAI HUA SHAO TIAO DOU. Cultivar.  
Seed.

PI 532449 to 532453. Glycine soja Siebold & Zucc. FABACEAE Soybean

**Donated by:** Huan, Sun, Jilin Academy of Agricultural Sciences,  
Gongshuling, Jilin, China, Peoples Repub of. **remarks:** Received  
through USDA-OICD Soybean Production and Genetic Resources Team,  
August 1988. Received April 3, 1989.

- PI 532449 donor id: GD50003-2. origin: China, Peoples Repub of.  
locality: Nongan. latitude: 44 deg. N. longitude: 125  
deg. E. Wild. Seed.
- PI 532450 donor id: GD50344. origin: China, Peoples Repub of.  
locality: Hunjiang. latitude: 42 deg. N. longitude: 126  
deg. E. Wild. Seed.
- PI 532451 donor id: GD50351. origin: China, Peoples Repub of.  
locality: Jian. latitude: 41 deg. N. longitude: 126  
deg. E. Wild. Seed.
- PI 532452 donor id: GD50549. origin: China, Peoples Repub of.  
locality: Huinan. latitude: 42 deg. N. longitude: 126  
deg. E. Wild. Seed.
- PI 532453 donor id: GD50609. origin: China, Peoples Repub of.  
locality: Hunchun. latitude: 43 deg. N. longitude: 130  
deg. E. Wild. Seed.

PI 532454 to 532461. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Junyi, Gai, Germplasm Bank, Soybean Research Institute,,  
Nanjing Agricultural University, Nanjing, Jiangsu, China, Peoples  
Repub of. **remarks:** Received through USDA-OICD Soybean Production  
and Genetic Resources Team, August 1988. Received April 3, 1989.

- PI 532454 donor id: N134. origin: China, Peoples Repub of.  
cultivar: TAI XING HEI DOU. locality: Jiangsu Province.  
**remarks:** Spring planting type. Cultivar. Seed.

PI 532454 to 532461-continued

- PI 532455 **donor id:** N1417. **origin:** China, Peoples Repub of.  
**cultivar:** DAN YANG BAI HUA DOU. **locality:** Jiangsu  
Province. **remarks:** Spring planting type. Cultivar.  
Seed.
- PI 532456 **donor id:** N2030. **origin:** China, Peoples Repub of.  
**cultivar:** HANG ZHOU WU YUE BAI. **locality:** Zhejiang  
Province. **remarks:** Spring planting type. Cultivar.  
Seed.
- PI 532457 **donor id:** N4611. **origin:** China, Peoples Repub of.  
**cultivar:** AN YUE DOU. **locality:** Sichuan Province.  
**remarks:** Spring planting type. Cultivar. Seed.
- PI 532458 **donor id:** N2819. **origin:** China, Peoples Repub of.  
**cultivar:** BA YUE BAO. **locality:** Shanxi Province.  
**remarks:** Summer planting type. Cultivar. Seed.
- PI 532459 **donor id:** N3343. **origin:** China, Peoples Repub of.  
**cultivar:** HUAI DOU YI HAO. **locality:** Jiangsu Province.  
**remarks:** Summer planting type. Cultivar. Seed.
- PI 532460 **donor id:** N5027. **origin:** China, Peoples Repub of.  
**cultivar:** CHEN LIU NIU MAO DOU. **locality:** Henan  
Province. **remarks:** Summer planting type. Cultivar.  
Seed.
- PI 532461 **donor id:** N5459. **origin:** China, Peoples Repub of.  
**cultivar:** 19-15. **locality:** Jiangsu Province. **remarks:**  
Summer planting type. Cultivar. Seed.

PI 532462 to 532465. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Academy of Agriculture & Forestry Sci., Hebei Province,  
Shijiazhuo, Hebei, China, Peoples Repub of. Received April 3, 1989.

- PI 532462 **origin:** China, Peoples Repub of. **cultivar:** FU 51.  
Cultivar. Seed.
- PI 532463 **origin:** China, Peoples Repub of. **cultivar:** HEBEI NO. 1.  
Cultivar. Seed.
- PI 532464 **origin:** China, Peoples Repub of. **cultivar:** HEBEI NO. 6.  
Cultivar. Seed.
- PI 532465 **origin:** China, Peoples Repub of. **cultivar:** 7531-3321.  
Cultivar. Seed.

PI 532466. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Riley, T.J., Department of Anthropology, University of Illinois, Urbana, Illinois, United States. Received April 3, 1989.

**donor id:** UNKNOWN. **origin:** Korea, Republic of.  
**collected:** October 4, 1988. **collector:** T.J. Riley.  
**locality:** Roadside, high in valley, Gagok Myun, Danyang Gun, Chungcheong Bug Do. **remarks:** Seeds large, yellow. Probably only recently feral. Wild. Seed.

PI 532467 to 532474. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Tokita Seed Company, Omiya, Saitama, Japan. **remarks:** Received through John Konovsky, Washington State University, Pullman, Washington, 99164. Received April 3, 1989.

PI 532467 **origin:** Japan. **cultivar:** HIDAKA. **remarks:** Seeds large. Used for human consumption. Cultivar. Seed.

PI 532468 **origin:** Japan. **cultivar:** KARIKACHI 3. **remarks:** Seeds large. Used for human consumption. Cultivar. Seed.

PI 532469 **origin:** Japan. **cultivar:** KITAMIDORI. **remarks:** Seeds large. Used for human consumption. Cultivar. Seed.

PI 532470 **origin:** Japan. **cultivar:** OKUHARA. **remarks:** Seeds large. Used for human consumption. Cultivar. Seed.

PI 532471 **origin:** Japan. **cultivar:** SHIRETOKO. **remarks:** Seeds large. Used for human consumption. Cultivar. Seed.

PI 532472 **origin:** Japan. **cultivar:** SOYA. **remarks:** Seeds large. Used for human consumption. Cultivar. Seed.

PI 532473 **origin:** Japan. **cultivar:** TSURUNOKO. **remarks:** Seeds large. Used for human consumption. Cultivar. Seed.

PI 532474 **origin:** Japan. **cultivar:** YUZURU. **remarks:** Seeds large. Used for human consumption. Cultivar. Seed.

PI 532475 to 532500. *Triticum carthlicum* Nevski POACEAE

**Donated by:** Metzger, R.J., USDA-ARS, Dept. of Crop Science, Oregon State University, Corvallis, Oregon, United States. **remarks:** 1979 Exploration in Turkey for *Triticum* Germplasm. Received January 01, 1987.

PI 532475 **donor id:** H83-1510. **origin:** Turkey. **other id:** 79TK99-526B-2. **locality:** 9km NW of Arpacay, Kars Province. **elevation:** 1920m. **remarks:** Seeds red. Annual. Cultivated. Seed.



PI 532475 to 532500-continued

- PI 532476 **donor id:** H83-1509. **origin:** Turkey. **other id:** 79TK99-526B-1. **locality:** 9km NW of Arpacay, Kars Province. **elevation:** 1920m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532477 **donor id:** H83-1507-3. **origin:** Turkey. **other id:** 79TK98-517,HD1. **locality:** 12km SW of Arpacay, Kars Province. **elevation:** 1590m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532478 **donor id:** H83-1502-3. **origin:** Turkey. **other id:** 79TK97-500B,HD2. **locality:** 13km NE of Sarikamis, Kars Province. **elevation:** 1880m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532479 **donor id:** H83-1503-6. **origin:** Turkey. **other id:** 79TK97-503,HD8. **locality:** 13km NE of Sarikamis, Kars Province. **elevation:** 1880m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532480 **donor id:** H83-1504-1. **origin:** Turkey. **other id:** 79TK97-503,HD18. **locality:** 13km NE of Sarikamis, Kars Province. **elevation:** 1880m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532481 **donor id:** H83-1505-3. **origin:** Turkey. **other id:** 79TK97-503,HD58. **locality:** 13km NE of Sarikamis, Kas Province. **elevation:** 1880m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532482 **donor id:** H83-1511-4. **origin:** Turkey. **other id:** 79TK100-531A,HD2. **locality:** 10km S of Dogruyol, Arpacay, Kars Province. **elevation:** 1900m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532483 **donor id:** H83-1515. **origin:** Turkey. **other id:** 79TK103-544A,HD1. **locality:** 29km W of Cildir, Kars Province. **elevation:** 1800m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532484 **donor id:** H83-1517. **origin:** Turkey. **other id:** 79TK104-548A,HD1. **locality:** 24km NW of Kars, Kars Province. **elevation:** 1700m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532485 **donor id:** H83-1519. **origin:** Turkey. **other id:** 79TK104-522A,HD1. **locality:** 24km NW of Kars, Kars Province. **elevation:** 1700m. **remarks:** Seeds red. Annual. Cultivated. Seed.

PI 532475 to 532500-continued

- PI 532486 **donor id:** H83-1522. **origin:** Turkey. **other id:** 79TK107-732A,HD8. **locality:** 19km N of Gole, Kars Province. **elevation:** 1880m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532487 **donor id:** H83-1524-2. **origin:** Turkey. **other id:** 79TK108-574,HD1. **locality:** 40km N of Gole, Kars Province. **elevation:** 1840m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532488 **donor id:** H83-1528-2. **origin:** Turkey. **other id:** 79TK108-572-3,HD2. **locality:** 40kmm N of Gole, Kars Province. **elevation:** 1840m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532489 **donor id:** H83-1532. **origin:** Turkey. **other id:** 79TK100-532D-2. **locality:** 10km S of Dogruyol, Arpacay, Kars Province. **elevation:** 1900m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532490 **donor id:** H83-1533. **origin:** Turkey. **other id:** 79TK108-572C. **locality:** 40km N of Gole, Kars Province. **elevation:** 1840m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532491 **donor id:** H83-1608-3. **origin:** Turkey. **other id:** 79TK103-544A-2. **locality:** 29km W of Cildir, Kars Province. **elevation:** 1800m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532492 **donor id:** H83-1609-4. **origin:** Turkey. **other id:** 79TK97-503,HD34. **locality:** 13km NE of Sarikamis, Kars Province. **elevation:** 1880m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532493 **donor id:** H83-1610-5. **origin:** Turkey. **other id:** 79TK98-517,HD5. **locality:** 12km SW of Arpacay, Kars Province. **elevation:** 1590m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532494 **donor id:** H83-1614-2. **origin:** Turkey. **other id:** 79TK99-522A,HD3. **locality:** 9km NW of Arpacay, Kars Province. **elevation:** 1920m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532495 **donor id:** H83-1617-2. **origin:** Turkey. **other id:** 79TK97-503,HD13. **locality:** 13km NE of Sarikamis, Kars Province. **elevation:** 1880m. **remarks:** Seeds red. Annual. Cultivated. Seed.

PI 532475 to 532500-continued

- PI 532496 **donor id:** M82-3371. **origin:** Turkey. **other id:** 79TK98-510,HD1. **locality:** 12km SW of Arpacay, Kars Province. **elevation:** 1590m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532497 **donor id:** M82-3650. **origin:** Turkey. **other id:** 79TK99-522B,HD1. **locality:** 9km NW of Arpacay, Kars Province. **elevation:** 1920m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532498 **donor id:** M80-10053-1. **origin:** Turkey. **other id:** 79TK99-522A,HD4. **locality:** 9km NW of Arpacay, Kars Province. **elevation:** 1920m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532499 **donor id:** H83-1612. **origin:** Turkey. **other id:** 79TK100-532D-2. **locality:** 10km S of Dogruyol, Arpacay, Kars Province. **elevation:** 1900m. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532500 **donor id:** H83-1615-5. **origin:** Turkey. **other id:** 79TK99-522A,HD1. **locality:** 9km NW of Arpacay, Kars Province. **elevation:** 1900m. **remarks:** Seeds red. Annual. Cultivated. Seed.

PI 532501 to 532518. *Triticum carthlicum* Nevski POACEAE

**Donated by:** Metzger, R.J., USDA-ARS, Dept. of Crop Science, Oregon State University, Corvallis, Oregon, United States. Received January 01, 1987.

- PI 532501 **donor id:** H83-1537. **origin:** Soviet Union. **other id:** TK B517. **other id:** Russia 78813. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532502 **donor id:** H83-1579. **origin:** United States. **remarks:** Selected from H83-1541. Seeds red. Annual. Cultivated. Seed.
- PI 532503 **donor id:** H83-1595-2. **origin:** United States. **remarks:** Selection from PI 286071. Seeds red. Annual. Cultivated. Seed.
- PI 532504 **donor id:** H83-1541-1. **origin:** United States. **remarks:** Seeds red. Annual. Cultivated. Seed.
- PI 532505 **donor id:** H83-1538. **origin:** Canada. **other id:** Manitoba 55B4.272. **remarks:** Seeds red. Annual. Cultivated. Seed.

PI 532501 to 532518-continued

- PI 532506 donor id: H83-1581. origin: United States. remarks: Seeds red. Annual. Cultivated. Seed.
- PI 532507 donor id: H83-1534-6. origin: United States. remarks: Glumes and awns black. Seeds red. Annual. Cultivated. Seed.
- PI 532508 donor id: H83-1571-2. origin: United States. remarks: Selection from PI 341800. Seeds red. Annual. Cultivated. Seed.
- PI 532509 donor id: H83-1578. origin: UNKNOWN. other id: Winnipeg 55B4.260. remarks: Seeds red. Annual. Cultivated. Seed.
- PI 532510 donor id: H83-1539-3. origin: UNKNOWN. other id: Manitoba 554B.259. remarks: Seeds red. Annual. Cultivated. Seed.
- PI 532511 donor id: H84-577-1. origin: Soviet Union. remarks: Seeds red. Annual. Cultivated. Seed.
- PI 532512 donor id: H84-558-3. origin: United Kingdom. other id: Russia 4. remarks: Seeds red. Annual. Cultivated. Seed.
- PI 532513 donor id: H84-559-1. origin: United Kingdom. other id: PBI-3. remarks: Seeds red. Annual. Cultivated. Seed.
- PI 532514 donor id: H84-560-5. origin: United Kingdom. other id: PBI-4. remarks: Seeds red. Annual. Cultivated. Seed.
- PI 532515 donor id: H84-561-1. origin: United Kingdom. other id: PBI-5. remarks: Seeds red. Annual. Cultivated. Seed.
- PI 532516 donor id: H84-562-1. origin: United Kingdom. other id: PBI-6. remarks: Seeds red. Annual. Cultivated. Seed.
- PI 532517 donor id: H84-563-2. origin: United Kingdom. other id: PBI-8. remarks: Seeds red. Annual. Cultivated. Seed.
- PI 532518 donor id: H83-1540-8. origin: UNKNOWN. other id: Manitoba 55B4.185. remarks: Seeds white. Annual. Cultivated. Seed.

PI 532519 to 532525. Cucumis sativus L. CUCURBITACEAE Cucumber

Donated by: VIR, Leningrad, Soviet Union. Received December 27, 1989.

PI 532519 to 532525-continued

- PI 532519 **donor id:** VIR-3011. **origin:** Soviet Union. **cultivar:** MALAHIT. Cultivar. Seed.
- PI 532520 **donor id:** VIR-3013. **origin:** Soviet Union. **cultivar:** MOSKOVSKIJ. Cultivar. Seed.
- PI 532521 **donor id:** VIR-2837. **origin:** Japan. **cultivar:** SAKATA KOHAI FUSHINARI. **nematode resistance:** Tolerant to root-knot (*Meloidogyne incognita*). Cultivar. Seed.
- PI 532522 **donor id:** VIR-3604. **origin:** Japan. **cultivar:** SAKATA KUROKOSANGO. **nematode resistance:** Tolerant to root-knot (*Meloidogyne incognita*). Cultivar. Seed.
- PI 532523 **donor id:** VIR-3603. **origin:** Japan. **cultivar:** SAKATA NATSUSANGO. **nematode resistance:** Tolerant to root-knot (*Meloidogyne incognita*). Cultivar. Seed.
- PI 532524 **donor id:** VIR-2545. **origin:** Japan. **cultivar:** SAKATA TOKIWA NATSUFUCH. **nematode resistance:** Tolerant to root-knot (*Meloidogyne incognita*). Cultivar. Seed.
- PI 532525 **donor id:** VIR-3591. **origin:** Soviet Union. **cultivar:** STELLA. Cultivar. Seed.

PI 532520 to 532529. *Abelmoschus esculentus* (L.) Moench MALVACEAE  
Okra

**Donated by:** Obari, K.S., Genetic Resources Unit, Agriculture Research Directorate, P.O. Box 113, Douma, Syria; and Astley, D., IBPGR, Rome, Italy; and Gheem, A., Sard, Syria. **remarks:** Received through IBPGR, Rome, Italy. Received June 25, 1987.

PI 532526 to 532540. *Pennisetum glaucum* (L.) R. Br. POACEAE

**Donated by:** Toll, J. Lagudah, E., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received February 23, 1988.

PI 532526 **donor id:** TCD 009. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 009. **locality:** Dune, 7km SE of Arbut (Doumdoum) at Belaga, Lac Province. **latitude:** 13 deg. 00 min. N. **longitude:** 15 deg. 20 min. E. **elevation:** 300m. **restricted:** QUAR. **remarks:** Sown June, harvested October. Used for human food. **received as:** *P. glaucum* subsp. *glaucum*. Cultivated. Seed.

PI 532526 to 532540-continued

- PI 532527 donor id: TCD 011. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 011. locality: Mioto village, Chari Baguirmi Province. latitude: 12 deg. 30 min. N. longitude: 16 deg. 30 min. E. elevation: 360m. restricted: QUAR. remarks: Sown June, harvested September. Used for human food. received as: P. glaucum subsp. glaucum. Cultivated. Seed.
- PI 532528 donor id: TCD 030. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 030. locality: 42km SE of Ati to Mongo at Koundjouro, Batha Province. latitude: 30 deg. 00 min. N. longitude: 18 deg. 40 min. E. elevation: 350m. restricted: QUAR. received as: P. glaucum subsp. glaucum. Cultivated. Seed.
- PI 532529 donor id: TCD 031. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 031. locality: 42km SE of Ati to Mongo at Koundjouro, Batha Province. latitude: 30 deg. 00 min. N. longitude: 18 deg. 40 min. E. elevation: 350m. restricted: QUAR. received as: P. glaucum subsp. glaucum. Cultivated. Seed.
- PI 532530 donor id: TCD 052. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 052. locality: Abdi village, 110km E of Am Dam, Ouaddai Province. latitude: 12 deg. 50 min. N. longitude: 21 deg. 20 min. E. elevation: 570m. restricted: QUAR. remarks: Sown July, harvested November. Used for human food. received as: P. glaucum subsp. glaucum. Cultivated. Seed.
- PI 532531 donor id: TCD 057. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 057. locality: 55km N of Am Dam to Abeche, Deressa village, Ouaddai Province. latitude: 13 deg. 10 min. N. longitude: 20 deg. 30 min. E. elevation: 530m. restricted: QUAR. received as: P. pedicellatum. Wild. Seed.
- PI 532532 donor id: TCD 062. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 062. locality: Edge of wadi, 5km S of Am Zoer, Baltine Province. latitude: 14 deg. 10 min. N. longitude: 21 deg. 20 min. E. elevation: 820m. restricted: QUAR. remarks: Sown July, harvested October. Used for human food. received as: P. glaucum subsp. glaucum. Cultivated. Seed.
- PI 532533 donor id: TCD 069. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 069. locality: Dune, 6km N of Moussoro, Kanem Province. latitude: 13 deg. 40 min. N. longitude: 3 deg. 10 min. E. elevation: 310m. restricted: QUAR. remarks: Used for human food. received as: P. glaucum subsp. glaucum. Cultivated. Seed.

PI 532526 to 532540-continued

- PI 532534 **donor id:** TCD 075. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 075. **locality:** 20km NE of Massakori, at Lala Kindila village, Chari Baguirmi Province. **latitude:** 13 deg. 00 min. N. **longitude:** 15 deg. 50 min. E. **elevation:** 320m. **restricted:** QUAR. **remarks:** Sown June, harvested October. Used for human food. **received as:** *P. glaucum* subsp. *glaucum*. Cultivated. Seed.
- PI 532535 **donor id:** TCD 090. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 090. **locality:** 36km NE of Doubali to Bokoro, at Djenere village, Chari Baguirmi Province. **latitude:** 12 deg. 00 min. N. **longitude:** 16 deg. 00 min. E. **elevation:** 330m. **restricted:** QUAR. **remarks:** Used for human food. **received as:** *P. glaucum* subsp. *glaucum*. Cultivated. Seed.
- PI 532536 **donor id:** TCD 103. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 103. **locality:** 40km S of Bokoro to Ngama at Dilbini village, Chari Baguirmi Province. **latitude:** 12 deg. 00 min. N. **longitude:** 17 deg. 00 min. E. **elevation:** 340m. **restricted:** QUAR. **remarks:** Used for human food. **received as:** *P. glaucum* subsp. *glaucum*. Cultivated. Seed.
- PI 532537 **donor id:** TCD 115. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 115. **locality:** 23km N of Massenya to Doubali at Karna village, Chari Baguirmi Province. **latitude:** 11 deg. 30 min. N. **longitude:** 16 deg. 00 min. E. **elevation:** 330m. **restricted:** QUAR. **remarks:** Used for human food. **received as:** *P. glaucum* subsp. *glaucum*. Cultivated. Seed.
- PI 532538 **donor id:** TCD 125. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 125. **locality:** 134km NE of Kyabe to Am Timan at Takalo, Salamat Province. **latitude:** 10 deg. 10 min. N. **longitude:** 19 deg. 50 min. E. **elevation:** 470m. **restricted:** QUAR. **remarks:** Sown May, harvested October. Used for human food. **received as:** *P. glaucum* subsp. *glaucum*. Cultivated. Seed.
- PI 532539 **donor id:** TCD 149. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 149. **locality:** 70km SW of Am Timan at Zakouma village, Salamat Province. **latitude:** 10 deg. 50 min. N. **longitude:** 19 deg. 50 min. E. **elevation:** 460m. **restricted:** QUAR. **remarks:** Sown July, harvested November. Used for human food. **received as:** *P. glaucum* subsp. *glaucum*. Cultivated. Seed.

PI 532526 to 532540-continued

PI 532540 donor id: TCD 170. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 170. locality: 80km SE of Am Timan at Koubo Abou Gara, Salamat Province. latitude: 10 deg. 30 min. N. longitude: 20 deg. 40 min. E. elevation: 450m. restricted: QUAR. remarks: Used for human food. received as: *P. glaucum* subsp. *glaucum*. Cultivated. Seed.

PI 532530 to 532535. *Citrullus lanatus* (Thunb.) Matsum. & Nakai  
CUCURBITACEAE Watermelon

Donated by: Obari, K.S., Genetic Resources Unit, Agriculture Research Directorate, P.O. Box 113, Douma, Syria; and Astley, D., IBPGR, Rome, Italy; and Gheem, A., Sard, Syria. remarks: Received through IBPGR, Rome, Italy. Received June 25, 1987.

PI 532536 to 532538. *Cucumis melo* L. CUCURBITACEAE Melon

Donated by: Obari, K.S., Genetic Resources Unit, Agriculture Research Directorate, P.O. Box 113, Douma, Syria; and Astley, D., IBPGR, Rome, Italy; and Gheem, A., Sard, Syria. remarks: Received through IBPGR, Rome, Italy. Received June 25, 1987.

PI 532539 to 532545. *Cucumis sativus* L. CUCURBITACEAE Cucumber

Donated by: Obari, K.S., Genetic Resources Unit, Agriculture Research Directorate, P.O. Box 113, Douma, Syria; and Astley, D., IBPGR, Rome, Italy; and Gheem, A., Sard, Syria. remarks: Received through IBPGR, Rome, Italy. Received June 25, 1987.

PI 532541 to 532549. *Pennisetum pedicellatum* Trin. POACEAE

Donated by: Toll, J. Lagudah, E., IBPGR, Rome, Italy. remarks: Received through IBPGR, Rome, Italy. Received February 23, 1988.

PI 532541 donor id: TCD 014. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 014. locality: 1 km SE of Moito to Bokoro, Chari Baguirmi Province. latitude: 12 deg. 30 min. N. longitude: 16 deg. 30 min. E. elevation: 350m. restricted: QUAR. Wild. Seed.

PI 532542 donor id: TCD 047. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 047. locality: 20km NE of Massakori at Lala Kindila village, Chari Baguirmi Province. latitude: 13 deg. 00 min. N. longitude: 15 deg. 50 min. E. elevation: 320m. restricted: QUAR. Wild. Seed.



PI 532541 to 532549-continued

- PI 532543 donor id: TCD 055. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 055. locality: 93km E of Am Dam to Abdi, Ouaddai Province. latitude: 12 deg. 40 min. N. longitude: 21 deg. 20 min. E. elevation: 570m. restricted: QUAR. Wild. Seed.
- PI 532544 donor id: TCD 065. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 065. locality: 7km N of Am Zoer, Biltine Province. latitude: 14 deg. 20 min. N. longitude: 21 deg. 30 min. E. elevation: 870m. restricted: QUAR. Wild. Seed.
- PI 532545 donor id: TCD 067. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 067. locality: 7km N of Am Zoer, Biltine Province. latitude: 14 deg. 20 min. N. longitude: 21 deg. 30 min. E. elevation: 870m. restricted: QUAR. Wild. Seed.
- PI 532546 donor id: TCD 085. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 085. locality: 62km SE of Ndjamena, Chari Baguirmi Province. latitude: 12 deg. 00 min. N. longitude: 15 deg. 30 min. E. elevation: 320m. restricted: QUAR. Wild. Seed.
- PI 532547 donor id: TCD 095. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 095. locality: 105km E of Doubali to Bokoro, 10km E of Maigana, Chari Baguirmi Province. latitude: 12 deg. 10 min. N. longitude: 16 deg. 30 min. E. elevation: 350m. restricted: QUAR. Wild. Seed.
- PI 532548 donor id: TCD 104. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 104. locality: 16km SW of Ouled Beli to Ngama, Chari Baguirmi Province. latitude: 12 deg. 00 min. N. longitude: 17 deg. 10 min. E. elevation: 350m. restricted: QUAR. Wild. Seed.
- PI 532549 donor id: TCD 144. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 144. locality: 7km SW of Am Timan to Kyabe, Salamat Province. latitude: 11 deg. 00 min. N. longitude: 20 deg. 10 min. E. elevation: 480m. restricted: QUAR. Wild. Seed.
- PI 532546 to 532550. Cucurbita maxima Duch. CUCURBITACEAE Winter squash

Donated by: Obari, K.S., Genetic Resources Unit, Agriculture Research Directorate, P.O. Box 113, Douma, Syria; and Astley, D., IBPGR, Rome, Italy; and Gheem, A., Sard, Syria. remarks: Received through IBPGR, Rome, Italy. Received June 25, 1987.

PI 532550 to 532555. *Pennisetum polystachion* (L.) Schultes POACEAE

**Donated by:** Toll, J. Lagudah, E., IBPGR, Rome, Italy. **remarks:**  
Received through IBPGR, Rome, Italy. Received February 23, 1988.

PI 532550 **donor id:** TCD 048. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 048. **locality:** 20km N of Am Guereda, Ouaddai Province. **latitude:** 13 deg. 00 min. N. **longitude:** 21 deg. 10 min. E. **elevation:** 570m. **restricted:** QUAR. Wild. Seed.

PI 532551 **donor id:** TCD 105. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 105. **locality:** 16km SW of Ouled Beli to Ngama, Chari Baguirmi Province. **latitude:** 12 deg. 00 min. N. **longitude:** 17 deg. 10 min. E. **elevation:** 350m. **restricted:** QUAR. Wild. Seed.

PI 532552 **donor id:** TCD 109. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 109. **locality:** 22km NW of Bili to Doubali, Chari Baguirmi Province. **latitude:** 11 deg. 50 min. N. **longitude:** 16 deg. 30 min. E. **elevation:** 360m. **restricted:** QUAR. Wild. Seed.

PI 532553 **donor id:** TCD 145. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 145. **locality:** 7km SW of Am Timan to Kyabe, Salamat Province. **latitude:** 11 deg. 00 min. N. **longitude:** 20 deg. 10 min. E. **elevation:** 480m. **restricted:** QUAR. Wild. Seed.

PI 532554 **donor id:** TCD 146. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 146. **locality:** Inside park, 8km NE of Zakouma, Salamat Province. **latitude:** 10 deg. 50 min. N. **longitude:** 19 deg. 50 min. E. **elevation:** 460m. **restricted:** QUAR. Wild. Seed.

PI 532555 **donor id:** TCD 174. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 174. **locality:** 65km SE of Am Timan, Salamat Province. **latitude:** 10 deg. 40 min. N. **longitude:** 20 deg. 40 min. E. **elevation:** 470m. **restricted:** QUAR. Wild. Seed.

PI 532551 to 532556. *Cucurbita moschata* (Duch.) Duch. ex Poir.  
CUCURBITACEAE Squash

**Donated by:** Obari, K.S., Genetic Resources Unit, Agriculture Research Directorate, P.O. Box 113, Douma, Syria; and Astley, D., IBPGR, Rome, Italy; and Gheem, A., Sard, Syria. **remarks:** Received through IBPGR, Rome, Italy. Received June 25, 1987.

PI 532556 to 532558. *Pennisetum ramosum* (Hochst.) Schweinf. & Aesch.  
POACEAE

**Donated by:** Toll, J. Lagudah, E., IBPGR, Rome, Italy. **remarks:**  
Received through IBPGR, Rome, Italy. Received February 23, 1988.

PI 532556 **donor id:** TCD 133. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 133. **locality:** 140km NE of Kyabe to Am Timan, 6km NE of Takalo, Salamat Province. **latitude:** 10 deg. 10 min. N. **longitude:** 19 deg. 50 min. E. **elevation:** 490m. **restricted:** QUAR. **received as:** P. atrichum. Wild. Seed.

PI 532557 **donor id:** TCD 141. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 141. **locality:** 62km SW of Am Timan to Kyabe, 52km NE of Djouna, Salamat Province. **latitude:** 10 deg. 40 min. N. **longitude:** 20 deg. 10 min. E. **elevation:** 460m. **restricted:** QUAR. **received as:** P. atrichum. Wild. Seed.

PI 532558 **donor id:** TCD 178. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 178. **locality:** 46km SE of Am Timan, Salamat Province. **latitude:** 10 deg. 50 min. N. **longitude:** 20 deg. 30 min. E. **elevation:** 500m. **restricted:** QUAR. **received as:** P. atrichum. Wild. Seed.

PI 532557 to 532572. *Cucurbita pepo* L. CUCURBITACEAE Pumpkin

**Donated by:** Obari, K.S., Genetic Resources Unit, Agriculture Research Directorate, P.O. Box 113, Douma, Syria; and Astley, D., IBPGR, Rome, Italy; and Gheem, A., Sard, Syria. **remarks:** Received through IBPGR, Rome, Italy. Received June 25, 1987.

PI 532559 to 532563. *Pennisetum violaceum* (Lam.) Rich. POACEAE

**Donated by:** Toll, J. Lagudah, E., IBPGR, Rome, Italy. **remarks:**  
Received through IBPGR, Rome, Italy. Received February 23, 1988.

PI 532559 **donor id:** TCD 013. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 013. **locality:** 1 km SE of Moito to Bokoro, Chari Baguirmi Province. **latitude:** 12 deg. 30 min. N. **longitude:** 16 deg. 30 min. E. **elevation:** 350m. **restricted:** QUAR. **received as:** P. glaucum subsp. monodii. Wild. Seed.

PI 532560 **donor id:** TCD 044. **origin:** Chad. **collector:** J. Toll, E. Lagudah. **collector id:** TCD 044. **locality:** 35km SE of Abeche, 3km SE of Wadi Amrusche, Ouaddai Province. **latitude:** 13 deg. 30 min. N. **longitude:** 21 deg. 00 min. E. **elevation:** 350m. **restricted:** QUAR. **received as:** P. glaucum subsp. monodii. Wild. Seed.

PI 532559 to 532563-continued

PI 532561 donor id: TCD 051. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 051. locality: Am Guereda at crossing of Batha River, Ouaddai Province. latitude: 12 deg. 50 min. N. longitude: 21 deg. 10 min. E. elevation: 550m. restricted: QUAR. received as: P. glaucum subsp. monodii. Wild. Seed.

PI 532562 donor id: TCD 079. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 079. locality: 20km W of Tourba to Karal via Gredia, Chari Baguirmi Province. latitude: 12 deg. 50 min. N. longitude: 15 deg. 10 min. E. elevation: 310m. restricted: QUAR. received as: P. glaucum subsp. monodii. Wild. Seed.

PI 532563 donor id: TCD 080. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 080. locality: 40km W to Tourba to Karal, 10km W of Gredia, Chari Baguirmi Province. latitude: 12 deg. 50 min. N. longitude: 15 deg. 00 min. E. elevation: 320m. restricted: QUAR. received as: P. glaucum subsp. monodii. Wild. Seed.

PI 532564 to 532568. *Sorghum arundinaceum* (Desv.) Stapf POACEAE

Donated by: Toll, J. Lagudah, E., IBPGR, Rome, Italy. remarks: Received through IBPGR, Rome, Italy. Received February 23, 1988.

PI 532564 donor id: TCD 018. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 018. locality: 8 to 10km SW of Ngolo (L. Fittri) to Arbourda, Batha Province. latitude: 12 deg. 40 min. N. longitude: 17 deg. 20 min. E. elevation: 350m. restricted: QUAR. received as: S. bicolor subsp. arundinaceum. Wild. Seed.

PI 532565 donor id: TCD 050. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 050. locality: Am Guereda at crossing of River Batha, Ouaddai Province. latitude: 12 deg. 50 min. N. longitude: 21 deg. 10 min. E. elevation: 550m. restricted: QUAR. received as: S. bicolor subsp. arundinaceum. Wild. Seed.

PI 532566 donor id: TCD 070. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 070. locality: 4km S of Moussoro, Kanem Province. latitude: 13 deg. 30 min. N. longitude: 16 deg. 30 min. E. elevation: 320m. restricted: QUAR. received as: S. bicolor subsp. arundinaceum. Wild. Seed.

PI 532564 to 532568-continued

PI 532567 donor id: TCD 077. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 077. locality: 18 to 20 km W of Tourba to Gredia and Karal, Chari Baguirmi Province. latitude: 12 deg. 50 min. N. longitude: 15 deg. 10 min. E. elevation: 310m. restricted: QUAR. received as: S. bicolor subsp. arundinaceum. Wild. Seed.

PI 532568 donor id: TCD 156. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 156. locality: 1 km N of Zakouma, Salamat Province. latitude: 10 deg. 50 min. N. longitude: 19 deg. 50 min. E. elevation: 440m. restricted: QUAR. received as: S. bicolor subsp. arundinaceum. Wild. Seed.

PI 532569 to 532571. *Sorghum purpureosericeum* (Hochst. ex A. Rich.)  
Asch. & Schweinf. POACEAE

Donated by: Toll, J. Lagudah, E., IBPGR, Rome, Italy. remarks:  
Received through IBPGR, Rome, Italy. Received February 23, 1988.

PI 532569 donor id: TCD 132. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 132. locality: 140km NE of Kyabe to Am Timan, 6km NE of Takalo, Salamat Province. latitude: 10 deg. 10 min. N. longitude: 19 deg. 50 min. E. elevation: 490m. restricted: QUAR. Wild. Seed.

PI 532570 donor id: TCD 139. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 139. locality: 62km SW of Am Timan to Kyabe, 52km NE of Djouna, Salamat Province. latitude: 10 deg. 40 min. N. longitude: 20 deg. 10 min. E. elevation: 460m. restricted: QUAR. Wild. Seed.

PI 532571 donor id: TCD 176. origin: Chad. collector: J. Toll, E. Lagudah. collector id: TCD 176. locality: 58km SE of Am Timan, Salamat Province. latitude: 10 deg. 50 min. N. longitude: 20 deg. 40 min. E. elevation: 480m. restricted: QUAR. Wild. Seed.

PI 532572 to 532575. *Pennisetum glaucum* (L.) R. Br. POACEAE Pearl  
millet

Donated by: Watt, V., IBPGR, Rome, Italy. remarks: Received through  
IBPGR, Rome, Italy. Received February 23, 1988.

PI 532572 donor id: MRT 025. origin: Mauritania. collector: V. Watt. collector id: MRT 025. restricted: QUAR.  
received as: P. glaucum subsp. glaucum. Cultivated.  
Seed.

PI 532572 to 532575-continued

PI 532573 donor id: MRT 026. origin: Mauritania. collector: V. Watt. collector id: MRT 026. restricted: QUAR. received as: *P. glaucum* subsp. *glaucum*. Cultivated. Seed.

PI 532574 donor id: MRT 050. origin: Mauritania. collector: V. Watt. collector id: MRT 050. restricted: QUAR. received as: *P. glaucum* subsp. *glaucum*. Cultivated. Seed.

PI 532575 donor id: MRT 156. origin: Mauritania. collector: V. Watt. collector id: MRT 156. restricted: QUAR. received as: *P. glaucum* subsp. *glaucum*. Cultivated. Seed.

PI 532576 to 532579. *Pennisetum pedicellatum* Trin. POACEAE

Donated by: Watt, V., IBPGR, Rome, Italy. remarks: Received through IBPGR, Rome, Italy. Received February 23, 1988.

PI 532576 donor id: MRT 036. origin: Mauritania. collector: V. Watt. collector id: MRT 036. restricted: QUAR. Wild. Seed.

PI 532577 donor id: MRT 038. origin: Mauritania. collector: V. Watt. collector id: MRT 038. restricted: QUAR. Wild. Seed.

PI 532578 donor id: MRT 042. origin: Mauritania. collector: V. Watt. collector id: MRT 042. restricted: QUAR. Wild. Seed.

PI 532579 donor id: MRT 113. origin: Mauritania. collector: V. Watt. collector id: MRT 113. restricted: QUAR. Wild. Seed.

PI 532580 to 532586. *Pennisetum violaceum* (Lam.) Rich. POACEAE

Donated by: Watt, V., IBPGR, Rome, Italy. remarks: Received through IBPGR, Rome, Italy. Received February 23, 1988.

PI 532580 donor id: MRT 049. origin: Mauritania. collector: V. Watt. collector id: MRT 049. restricted: QUAR. received as: *P. glaucum* subsp. *monodii*. Wild. Seed.

PI 532581 donor id: MRT 051. origin: Mauritania. collector: V. Watt. collector id: MRT 051. restricted: QUAR. received as: *P. glaucum* subsp. *monodii*. Wild. Seed.

PI 532580 to 532586-continued

- PI 532582 donor id: MRT 058. origin: Mauritania. collector: V. Watt. collector id: MRT 058. restricted: QUAR. received as: *P. glaucum* subsp. *monodii*. Wild. Seed.
- PI 532583 donor id: MRT 124. origin: Mauritania. collector: V. Watt. collector id: MRT 124. restricted: QUAR. received as: *P. glaucum* subsp. *monodii*. Wild. Seed.
- PI 532584 donor id: MRT 139. origin: Mauritania. collector: V. Watt. collector id: MRT 139. restricted: QUAR. received as: *P. glaucum* subsp. *monodii*. Wild. Seed.
- PI 532585 donor id: MRT 143. origin: Mauritania. collector: V. Watt. collector id: MRT 143. restricted: QUAR. received as: *P. glaucum* subsp. *monodii*. Wild. Seed.
- PI 532586 donor id: MRT 181. origin: Mauritania. collector: V. Watt. collector id: MRT 181. restricted: QUAR. received as: *P. glaucum* subsp. *monodii*. Wild. Seed.

PI 532587 to 532600. *Pennisetum violaceum* (Lam.) Rich. POACEAE

Donated by: Tostain, S., ORSTOM, Paris, France. Received February 23, 1988.

- PI 532587 donor id: S-87-132. origin: Mauritania. collected: October 22, 1987. collector: S. Tostain. collector id: S-87-132. locality: Tabati. latitude: 17 deg. 00 min. N. longitude: 16 deg. 06 min. W. restricted: QUAR. Wild. Seed.
- PI 532588 donor id: S-87-133. origin: Mauritania. collected: October 18, 1987. collector: S. Tostain. collector id: S-87-133. locality: Kaedi. latitude: 16 deg. 12 min. N. longitude: 13 deg. 21 min. W. restricted: QUAR. Wild. Seed.
- PI 532589 donor id: S-87-134. origin: Mauritania. collected: October 19, 1987. collector: S. Tostain. collector id: S-87-134. locality: Gorgol. latitude: 16 deg. 12 min. N. longitude: 13 deg. 18 min. W. restricted: QUAR. Wild. Seed.
- PI 532590 donor id: S-87-135. origin: Mauritania. collected: October 18, 1987. collector: S. Tostain. collector id: S-87-135. locality: Leqceiba. latitude: 16 deg. 12 min. N. longitude: 13 deg. 16 min. W. restricted: QUAR. Wild. Seed.

PI 532587 to 532600-continued

- PI 532591 donor id: S-87-136. origin: Mauritania. collected: October 27, 1987. collector: S. Tostain. collector id: S-87-136. locality: Djouk. latitude: 17 deg. 10 min. N. longitude: 12 deg. 10 min. W. restricted: QUAR. Wild. Seed.
- PI 532592 donor id: S-87-137. origin: Mauritania. collected: October 28, 1987. collector: S. Tostain. collector id: S-87-137. locality: Guerou. latitude: 16 deg. 57 min. N. longitude: 11 deg. 55 min. W. restricted: QUAR. Wild. Seed.
- PI 532593 donor id: S-87-138. origin: Mauritania. collected: October 28, 1987. collector: S. Tostain. collector id: S-87-138. locality: El Msile. latitude: 16 deg. 31 min. N. longitude: 11 deg. 35 min. W. restricted: QUAR. Wild. Seed.
- PI 532594 donor id: S-87-139. origin: Mauritania. collected: October 28, 1987. collector: S. Tostain. collector id: S-87-139. locality: Kiffa. latitude: 16 deg. 30 min. N. longitude: 10 deg. 54 min. W. restricted: QUAR. Wild. Seed.
- PI 532595 donor id: S-87-140. origin: Mauritania. collected: October 29, 1987. collector: S. Tostain. collector id: S-87-140. locality: Tintane. latitude: 16 deg. 28 min. N. longitude: 10 deg. 27 min. W. restricted: QUAR. Wild. Seed.
- PI 532596 donor id: S-87-141. origin: Mauritania. collected: October 30, 1987. collector: S. Tostain. collector id: S-87-141. locality: Kankossa. latitude: 15 deg. 52 min. N. longitude: 11 deg. 34 min. W. restricted: QUAR. Wild. Seed.
- PI 532597 donor id: S-87-142. origin: Mauritania. collected: October 30, 1987. collector: S. Tostain. collector id: S-87-142. locality: Kankossa. latitude: 15 deg. 48 min. N. longitude: 11 deg. 37 min. W. restricted: QUAR. Wild. Seed.
- PI 532598 donor id: S-87-143. origin: Mauritania. collected: October 30, 1987. collector: S. Tostain. collector id: S-87-143. locality: Karakoro. latitude: 15 deg. 37 min. N. longitude: 11 deg. 40 min. W. restricted: QUAR. Wild. Seed.



PI 532587 to 532600-continued

PI 532599 **donor id:** S-87-144. **origin:** Mauritania. **collected:** October 30, 1987. **collector:** S. Tostain. **collector id:** S-87-144. **locality:** Ould Yenge. **latitude:** 15 deg. 31 min. N. **longitude:** 11 deg. 47 min. W. **restricted:** QUAR. Wild. Seed.

PI 532600 **donor id:** S-87-145. **origin:** Mauritania. **collected:** October 31, 1987. **collector:** S. Tostain. **collector id:** S-87-145. **locality:** Ould Yenge. **latitude:** 15 deg. 22 min. N. **longitude:** 11 deg. 49 min. W. **restricted:** QUAR. Wild. Seed.

PI 532601 to 532609. *Pennisetum violaceum* (Lam.) Rich. POACEAE

**Donated by:** Tostain, S., ORSTOM, Paris, France. Received February 23, 1988.

PI 532601 **donor id:** S-87-120. **origin:** Niger. **collected:** October 05, 1987. **collector:** S. Tostain. **collector id:** S-87-120. **locality:** Aogadot. **latitude:** 18 deg. 38 min. N. **longitude:** 8 deg. 34 min. E. **restricted:** QUAR. Wild. Seed.

PI 532602 **donor id:** S-87-121. **origin:** Niger. **collected:** October 06, 1987. **collector:** S. Tostain. **collector id:** S-87-121. **locality:** Ouedigui (Eouei). **latitude:** 18 deg. 37 min. N. **longitude:** 8 deg. 23 min. E. **restricted:** QUAR. Wild. Seed.

PI 532603 **donor id:** S-87-122. **origin:** Niger. **collected:** October 07, 1987. **collector:** S. Tostain. **collector id:** S-87-122. **locality:** In Agoulgoul. **latitude:** 18 deg. 32 min. N. **longitude:** 8 deg. 38 min. E. **restricted:** QUAR. Wild. Seed.

PI 532604 **donor id:** S-87-123. **origin:** Niger. **collected:** October 07, 1987. **collector:** S. Tostain. **collector id:** S-87-123. **locality:** Zilalet. **latitude:** 18 deg. 29 min. N. **longitude:** 8 deg. 33 min. E. **restricted:** QUAR. Wild. Seed.

PI 532605 **donor id:** S-87-124. **origin:** Niger. **collected:** October 08, 1987. **collector:** S. Tostain. **collector id:** S-87-124. **locality:** Afagag. **latitude:** 18 deg. 26 min. N. **longitude:** 8 deg. 28 min. E. **restricted:** QUAR. Wild. Seed.

PI 532601 to 532609-continued

- PI 532606 donor id: S-87-125. origin: Niger. collected: October 08, 1987. collector: S. Tostain. collector id: S-87-125. locality: Zilalet. latitude: 18 deg. 22 min. N. longitude: 8 deg. 08 min. E. restricted: QUAR. Wild. Seed.
- PI 532607 donor id: S-87-126. origin: Niger. collected: October 09, 1987. collector: S. Tostain. collector id: S-87-126. locality: Zilalet (Campement Gerard). latitude: 18 deg. 20 min. N. longitude: 7 deg. 50 min. E. restricted: QUAR. Wild. Seed.
- PI 532608 donor id: S-87-127. origin: Niger. collected: October 09, 1987. collector: S. Tostain. collector id: S-87-127. locality: Tagora (piste). latitude: 17 deg. 53 min. N. longitude: 7 deg. 50 min. E. restricted: QUAR. Wild. Seed.
- PI 532609 donor id: S-87-128. origin: Niger. collected: October 10, 1987. collector: S. Tostain. collector id: S-87-128. locality: Tagora. latitude: 17 deg. 54 min. N. longitude: 7 deg. 52 min. E. restricted: QUAR. Wild. Seed.

PI 532610 to 532618. *Pennisetum violaceum* (Lam.) Rich. POACEAE

Donated by: Tostain, S., ORSTOM, Paris, France. Received February 23, 1988.

- PI 532610 donor id: S-87-146. origin: Senegal. collected: November 01, 1987. collector: S. Tostain. collector id: S-87-146. locality: Djabouguel. latitude: 15 deg. 07 min. N. longitude: 12 deg. 54 min. W. restricted: QUAR. Wild. Seed.
- PI 532611 donor id: S-87-147. origin: Senegal. collected: November 01, 1987. collector: S. Tostain. collector id: S-87-147. locality: N'Dyaye. latitude: 16 deg. 16 min. N. longitude: 16 deg. 16 min. W. restricted: QUAR. Wild. Seed.
- PI 532612 donor id: S-87-148. origin: Senegal. collected: October 23, 1987. collector: S. Tostain. collector id: S-87-148. locality: Kebemer. latitude: 15 deg. 20 min. N. longitude: 16 deg. 29 min. W. restricted: QUAR. Wild. Seed.

PI 532610 to 532618-continued

- PI 532613 donor id: S-87-149. origin: Senegal. collected: November 01, 1987. collector: S. Tostain. collector id: S-87-149. locality: Pirr. latitude: 15 deg. 05 min. N. longitude: 16 deg. 43 min. W. restricted: QUAR. Wild. Seed.
- PI 532614 donor id: S-87-150. origin: Senegal. collected: November 01, 1987. collector: S. Tostain. collector id: S-87-150. locality: Thies. latitude: 14 deg. 11 min. N. longitude: 16 deg. 56 min. W. restricted: QUAR. Wild. Seed.
- PI 532615 donor id: S-87-151. origin: Senegal. collected: November 02, 1987. collector: S. Tostain. collector id: S-87-151. locality: Mbao. latitude: 14 deg. 05 min. N. longitude: 17 deg. 12 min. W. restricted: QUAR. Wild. Seed.
- PI 532616 donor id: S-87-152. origin: Senegal. collected: November 02, 1987. collector: S. Tostain. collector id: S-87-152. locality: Dakar. latitude: 14 deg. 07 min. N. longitude: 17 deg. 16 min. W. restricted: QUAR. Wild. Seed.
- PI 532617 donor id: S-87-153. origin: Senegal. collected: November 02, 1987. collector: S. Tostain. collector id: S-87-153. locality: Bel Air. latitude: 14 deg. 03 min. N. longitude: 17 deg. 25 min. W. restricted: QUAR. Wild. Seed.
- PI 532618 donor id: S-87-154. origin: Senegal. collected: November 02, 1987. collector: S. Tostain. collector id: S-87-154. locality: Mann. latitude: 14 deg. 03 min. N. longitude: 17 deg. 25 min. W. restricted: QUAR. Wild. Seed.

PI 532619. *Carthamus tinctorius* L. ASTERACEAE Safflower

**Donated by:** Hadjichristodoulou, A., Agricultural Research Institute, Ministry of Agric. & Natural Resources, Nicosia, Cyprus.  
**remarks:** Received through P.F. Knowles, Blaine, Washington. Received March 21, 1989.

**origin:** Cyprus. **locality:** Hilly area southwest of Nicosia. **remarks:** Plants spineless. Used as dye in special food preparations. Cultivated. Seed.

PI 532620. *Crotalaria* sp. FABACEAE

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

**donor id:** 438. **origin:** Malawi. **collected:** December 18, 1987. **collector:** R. Mithen. **collector id:** 438.  
**locality:** Wild habitat, lake shore, 20km N of Chiweta.  
**latitude:** 10 deg. 37 min. S. **longitude:** 34 deg. 11 min. E. **elevation:** 500m. **remarks:** Weevils present.  
Population 100-200 plants. Wild. Seed.

PI 532621. *Abelmoschus esculentus* (L.) Moench MALVACEAE Okra

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

**donor id:** 236. **origin:** Zambia. **collected:** August 20, 1987. **collector:** R. Mithen. **collector id:** 236.  
**locality:** Sandy loam, farmland, 5km S of St. Anthony's Mission, Mpongwe. **latitude:** 13 deg. 30 min. S.  
**longitude:** 27 deg. 55 min. E. **elevation:** 1150m.  
**remarks:** Population one plant. Primitive Cultivar.  
Seed.

PI 532622 to 532623. *Crotalaria* sp. FABACEAE

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

PI 532622 **donor id:** 216. **origin:** Zambia. **collected:** August 24, 1987. **collector:** R. Mithen. **collector id:** 216.  
**locality:** Sandy loam, burnt floodplain of Kafue River, 30km W of Mpongwe. **latitude:** 13 deg. 33 min. S.  
**longitude:** 27 deg. 55 min. E. **elevation:** 1200m.  
**remarks:** Population 10 plants, ripe seeds from one.  
Wild. Seed.

PI 532623 **donor id:** 232. **origin:** Zambia. **collected:** August 26, 1987. **collector:** R. Mithen. **collector id:** 232.  
**locality:** Sandy loam, bushland, road to St. Anthony's Mission, 21km W of Mpongwe. **latitude:** 13 deg. 24 min. S.  
**longitude:** 28 deg. 02 min. E. **elevation:** 1190m.  
**remarks:** Population 13 plants, ripe seeds from two.  
Wild. Seed.

PI 532624. *Citrullus lanatus* (Thunb.) Matsum. & Nakai CUCURBITACEAE  
Watermelon

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

PI 532624-continued

**donor id:** 081. **origin:** Zimbabwe. **local name:** Cow melon.  
**collected:** April 08, 1987. **collector:** R. Mithen.  
**collector id:** 081. **locality:** Weedy, grassy area,  
roadside, 33km S of Chiuhu, South Province. **latitude:** 19  
deg. 15 min. S. **longitude:** 30 deg. 52 min. E.  
**elevation:** 1490m. **remarks:** Fruit unsweet, not juicy  
form. Cooked before eaten. Population 3 plants, seeds  
from single fruit. Wild. Seed.

PI 532625 to 532626. *Cucumis anguria* L. CUCURBITACEAE West Indian  
gherkin

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received  
through IBPGR, Rome, Italy. Received January 20, 1988.

PI 532625 **donor id:** 104. **origin:** Zimbabwe. **collected:** April 23,  
1987. **collector:** R. Mithen. **collector id:** 104.  
**locality:** Coarse sandy, alluvial deposit, banks of  
Zambezi, 3km S of Chirundu, North Province. **latitude:** 10  
deg. 05 min. S. **longitude:** 28 deg. 51 min. E.  
**elevation:** 380m. **remarks:** Population one plant. Wild.  
Seed.

PI 532626 **donor id:** 112. **origin:** Zimbabwe. **collected:** June 30,  
1987. **collector:** R. Mithen. **collector id:** 112.  
**locality:** Coarse sand, edge of dirt road, Old Chirundu  
sugar estate, 6km N of Chirundu, North Province.  
**latitude:** 16 deg. 10 min. S. **longitude:** 29 deg. 00 min.  
E. **elevation:** 380m. **remarks:** Population more than 100  
plants. Wild. Seed.

PI 532627 to 532628. *Cucumis myriocarpus* Naud. CUCURBITACEAE

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received  
through IBPGR, Rome, Italy. Received January 20, 1988.

PI 532627 **donor id:** 079. **origin:** Zimbabwe. **collected:** April 08,  
1987. **collector:** R. Mithen. **collector id:** 079.  
**locality:** Coarse sand, edge of dirt road, 51km S of  
Chiuhu, South Province. **latitude:** 19 deg. 18 min. S.  
**longitude:** 30 deg. 52 min. E. **elevation:** 1510m.  
**remarks:** Population 5 plants. Wild. Seed.

PI 532628 **donor id:** 085. **origin:** Zimbabwe. **collected:** April 11,  
1987. **collector:** R. Mithen. **collector id:** 085.  
**locality:** Sandy loam, in harvested field, village 'D',  
24km E of Nusape, Central Province. **latitude:** 18 deg. 25  
min. S. **longitude:** 32 deg. 22 min. E. **elevation:** 1640m.  
**remarks:** Population 7 plants. Wild. Seed.

PI 532629 to 532635. *Cucumis zeyheri* Sond. CUCURBITACEAE

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

- PI 532629 **donor id:** 002. **origin:** Zimbabwe. **collected:** January 01, 1987. **collector:** R. Mithen. **collector id:** 002. **locality:** Sandy loam, roadside, by Merrybridge, 2km from Harare on Alpes Road, Central Province. **latitude:** 17 deg. 45 min. S. **longitude:** 31 deg. 05 min. E. **elevation:** 1540m. **remarks:** Population two plants, seeds from one. Wild. Seed.
- PI 532630 **donor id:** 006. **origin:** Zimbabwe. **collected:** January 04, 1987. **collector:** R. Mithen. **collector id:** 006. **locality:** Fine sand, roadside, Lunner Ave and Chatsworth road, Harare, Central Province. **latitude:** 17 deg. 45 min. S. **longitude:** 31 deg. 05 min. E. **elevation:** 1540m. **remarks:** Population three plants. Wild. Seed.
- PI 532631 **donor id:** 073. **origin:** Zimbabwe. **collected:** June 04, 1987. **collector:** R. Mithen. **collector id:** 073. **locality:** Sandy loam, W end of Birchenough Bridge, South Province. **latitude:** 14 deg. 55 min. S. **longitude:** 30 deg. 22 min. E. **elevation:** 510m. **remarks:** Population 25 plants. Wild. Seed.
- PI 532632 **donor id:** 075. **origin:** Zimbabwe. **collected:** April 06, 1987. **collector:** R. Mithen. **collector id:** 075. **locality:** Coarse sand, roadside/bushland, 33km E of Birchenough Bridge, South Province. **latitude:** 14 deg. 57 min. S. **longitude:** 32 deg. 05 min. E. **elevation:** 745m. **remarks:** Population 8 plants. Wild. Seed.
- PI 532633 **donor id:** 080. **origin:** Zimbabwe. **collected:** April 08, 1987. **collector:** R. Mithen. **collector id:** 080. **locality:** Coarse sand, edge of dirt road, 50km S of Chiuhu, South Province. **latitude:** 19 deg. 18 min. S. **longitude:** 30 deg. 52 min. E. **elevation:** 1510m. **remarks:** Population two plants. Wild. Seed.
- PI 532634 **donor id:** 082. **origin:** Zimbabwe. **collected:** April 09, 1987. **collector:** R. Mithen. **collector id:** 082. **locality:** Sandy loam, edge of road, 24km N of Chiuhu, South Province. **latitude:** 18 deg. 47 min. S. **longitude:** 30 deg. 52 min. E. **elevation:** 1310m. **remarks:** Population four plants. Wild. Seed.
- PI 532635 **donor id:** 130. **origin:** Zimbabwe. **collector id:** 130. Wild. Seed.

PI 532636 to 532640. *Lablab purpureus* (L.) Sweet FABACEAE Lablab bean

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

- PI 532636 **donor id:** 056. **origin:** Zimbabwe. **collected:** April 02, 1987. **collector:** R. Mithen. **collector id:** 056. **locality:** Loam soil, grassland, by small river, 105km SE of Harare, Central Province. **latitude:** 18 deg. 10 min. S. **longitude:** 31 deg. 52 min. E. **elevation:** 1580m. **remarks:** Flowers purple. Population five plants, seeds from two. Wild. Seed.
- PI 532637 **donor id:** 058. **origin:** Zimbabwe. **collected:** April 04, 1987. **collector:** R. Mithen. **collector id:** 058. **locality:** Sandy loam, grassland, edge of bank, 3km E of Chimanimani, Eastern Province. **latitude:** 20 deg. 10 min. S. **longitude:** 32 deg. 55 min. E. **elevation:** 1420m. **remarks:** Population more than 100 plants. Wild. Seed.
- PI 532638 **donor id:** 070. **origin:** Zimbabwe. **collected:** April 06, 1987. **collector:** R. Mithen. **collector id:** 070. **locality:** Edge of Chipinge Road, in forest, 27km SW of Chimanimani, Eastern Province. **latitude:** 20 deg. 05 min. S. **longitude:** 32 deg. 44 min. E. **elevation:** 1630m. **remarks:** Population 10 plants. Wild. Seed.
- PI 532639 **donor id:** 090. **origin:** Zimbabwe. **collected:** April 12, 1987. **collector:** R. Mithen. **collector id:** 090. **locality:** Loam soil, in long grass by edge of path, E side of Udu Dam wall, 5km W of Nyanga, Eastern Province. **latitude:** 18 deg. 16 min. S. **longitude:** 32 deg. 42 min. E. **elevation:** 1620m. **remarks:** Population more than 20 plants, seeds from five. Wild. Seed.
- PI 532640 **donor id:** 124. **origin:** Zimbabwe. **collected:** May 14, 1987. **collector:** R. Mithen. **collector id:** 124. **locality:** Sandy loam, wet grassland, edge of Pangara River, 5km N of London Stores, Eastern Province. **latitude:** 18 deg. 20 min. S. **longitude:** 32 deg. 33 min. E. **elevation:** 1520m. **remarks:** Population three plants, seeds from one. Wild. Seed.

PI 532641. *Pennisetum macrourum* Trin. POACEAE

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

PI 532641-continued

**donor id:** 126. **origin:** Zimbabwe. **collected:** May 14, 1987. **collector:** R. Mithen. **collector id:** 126.  
**locality:** Sandy loam, edge of Pangara River, 5km N of London Stores, Eastern Province. **latitude:** 18 deg. 20 min. S. **longitude:** 32 deg. 33 min. E. **elevation:** 1520m.  
**restricted:** QUAR. **remarks:** Population one plant. Wild. Seed.

PI 532642 to 532644. *Pennisetum polystachion* subsp. *atrichum* (Stapf & C. E. Hubb.) Brunken POACEAE

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

PI 532642 **donor id:** 098. **origin:** Zimbabwe. **collected:** April 12, 1987. **collector:** R. Mithen. **collector id:** 098.  
**locality:** Sandy loam, roadside, within village, 28km from Honde Valley/Jullasdale junction, Eastern Province.  
**latitude:** 18 deg. 30 min. S. **longitude:** 32 deg. 55 min. E. **elevation:** 600m. **restricted:** QUAR. Wild. Seed.

PI 532643 **donor id:** 182. **origin:** Zimbabwe. **collector:** R. Mithen. **collector id:** 182. **restricted:** QUAR. Wild. Seed.

PI 532644 **donor id:** 207. **origin:** Zimbabwe. **collector id:** 207. Wild. Seed.

PI 532645 to 532650. *Pennisetum purpureum* Schumach. POACEAE Elephant grass

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

PI 532645 **donor id:** 068. **origin:** Zimbabwe. **collected:** April 06, 1987. **collector:** R. Mithen. **collector id:** 068.  
**locality:** Grassland, forest edge on Chipinge Road, 8km W of Chimanimani, Eastern Province. **latitude:** 20 deg. 10 min. S. **longitude:** 32 deg. 50 min. E. **elevation:** 1490m.  
**restricted:** QUAR. **remarks:** Population three plants. Wild. Seed.

PI 532646 **donor id:** 092. **origin:** Zimbabwe. **collected:** April 12, 1987. **collector:** R. Mithen. **collector id:** 092.  
**locality:** Loam soil, E side of Udu Dam wall, 5km W of Nyanga, Eastern Province. **latitude:** 18 deg. 16 min. S. **longitude:** 32 deg. 42 min. E. **elevation:** 1620m.  
**restricted:** QUAR. **remarks:** Population more than 100 plants, seeds from five. Wild. Seed.



PI 532645 to 532650-continued

- PI 532647 **donor id:** 097. **origin:** Zimbabwe. **collected:** April 12, 1987. **collector:** R. Mithen. **collector id:** 097. **locality:** Sandy loam, roadside by small stream, 9km E of Honde Valley/Jullasdale junction, Eastern Province. **latitude:** 18 deg. 33 min. S. **longitude:** 32 deg. 45 min. E. **elevation:** 1200m. **restricted:** QUAR. **remarks:** Population more than 1000, seeds from more than 100. Wild. Seed.
- PI 532648 **donor id:** 121. **origin:** Zimbabwe. **collected:** May 13, 1987. **collector:** R. Mithen. **collector id:** 121. **locality:** Sandy loam, edge of small stream, along track of Sunyangas Garden Estates, 4km E of junction with Jullasdale/Nutare road, Eastern Province. **latitude:** 18 deg. 26 min. S. **longitude:** 32 deg. 41 min. E. **elevation:** 1620m. **restricted:** QUAR. **remarks:** Population more than 100 plants. Wild. Seed.
- PI 532649 **donor id:** 123. **origin:** Zimbabwe. **collected:** May 14, 1987. **collector:** R. Mithen. **collector id:** 123. **locality:** Sandy loam, edge of Pangara River, 5km N of London Stores, Eastern Province. **latitude:** 18 deg. 20 min. S. **longitude:** 32 deg. 33 min. E. **elevation:** 1520m. **restricted:** QUAR. **remarks:** Population more than 200 plants, seeds from 50. Wild. Seed.
- PI 532650 **donor id:** 156. **origin:** Zimbabwe. **collector:** R. Mithen. **collector id:** 156. **restricted:** QUAR. Wild. Seed.

PI 532651. *Pennisetum thunbergii* Kunth POACEAE

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

**donor id:** 091. **origin:** Zimbabwe. **collected:** April 12, 1987. **collector:** R. Mithen. **collector id:** 091. **locality:** Loam soil, E side of Udu Dam wall, 5km W of Nyanga, Eastern Province. **latitude:** 18 deg. 16 min. S. **longitude:** 32 deg. 42 min. E. **elevation:** 1620m. **restricted:** QUAR. **remarks:** Population more than 50 plants, seeds from three. Wild. Seed.

PI 532652. *Pennisetum unisetum* (Nees) Benth. POACEAE

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

**donor id:** 094. **origin:** Zimbabwe. **collected:** April 12, 1987. **collector:** R. Mithen. **collector id:** 094.  
**locality:** Sandy loam, roadside along stream, 9km E of Honde Valley/Jullasdale junction, Eastern Province.  
**latitude:** 18 deg. 33 min. S. **longitude:** 32 deg. 45 min. E. **elevation:** 1200m. **restricted:** QUAR. **remarks:** Population more than 500 plants, seeds from 20. Wild. Seed.

PI 532653 to 532657. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

PI 532653 **donor id:** 033. **origin:** Zimbabwe. **collected:** February 24, 1987. **collector:** R. Mithen. **collector id:** 033.  
**locality:** Sandy loam, field margin of Mazowe road, 26km N of Harare, Central Province. **latitude:** 17 deg. 35 min. S. **longitude:** 30 deg. 55 min. E. **elevation:** 1320m.  
**restricted:** QUAR. **remarks:** Population more than 20 plants. **received as:** *S. bicolor* subsp. *arundinaceum*. Wild. Seed.

PI 532654 **donor id:** 034. **origin:** Zimbabwe. **collected:** February 24, 1987. **collector:** R. Mithen. **collector id:** 034.  
**locality:** Sandy loam, roadside of Lentenary-Muzowe road, 5km N of Mazowe, Northern Province. **latitude:** 17 deg. 28 min. S. **longitude:** 30 deg. 55 min. E. **elevation:** 1400m.  
**restricted:** QUAR. **remarks:** Population 15 plants. **received as:** *S. bicolor* subsp. *arundinaceum*. Wild. Seed.

PI 532655 **donor id:** 045. **origin:** Zimbabwe. **collected:** March 03, 1987. **collector:** R. Mithen. **collector id:** 045.  
**locality:** Sandy loam, edge of Marimba River/Princes Road, 10km W of Harare, Central Province. **latitude:** 17 deg. 46 min. S. **longitude:** 30 deg. 55 min. E. **elevation:** 1520m.  
**restricted:** QUAR. **remarks:** Population more than 50 plants. **received as:** *S. bicolor* subsp. *arundinaceum*. Wild. Seed.

PI 532656 **donor id:** 049. **origin:** Zimbabwe. **collected:** March 03, 1987. **collector:** R. Mithen. **collector id:** 049.  
**locality:** Loam soil, field edge along Suffon Vulde Road, 40km W of Harare, Central Province. **latitude:** 17 deg. 50 min. S. **longitude:** 30 deg. 45 min. E. **elevation:** 1410m.  
**restricted:** QUAR. **remarks:** Population 10 plants. **received as:** *S. bicolor* subsp. *arundinaceum*. Wild. Seed.

PI 532653 to 532657-continued

PI 532657 **donor id:** 067. **origin:** Zimbabwe. **collected:** April 06, 1987. **collector:** R. Mithen. **collector id:** 067. **locality:** Forest edge, Chipinge Road, 8km W of Chimaniman, Eastern Province. **latitude:** 20 deg. 10 min. S. **longitude:** 32 deg. 50 min. E. **elevation:** 1490m. **restricted:** QUAR. **remarks:** Population more than 30 plants. **received as:** *S. bicolor* subsp. *arundinaceum*. Wild. Seed.

PI 532658. *Sorghum versicolor* Andersson POACEAE Sorghum

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

**donor id:** 066. **origin:** Zimbabwe. **collected:** April 05, 1987. **collector:** R. Mithen. **collector id:** 066. **locality:** Organic soil, edge of Musapa River, 30km NE of Chimanimani, Eastern Province. **latitude:** 20 deg. 15 min. S. **longitude:** 32 deg. 53 min. E. **elevation:** 1210m. **restricted:** QUAR. **remarks:** Population 20 plants, seeds from five. Wild. Seed.

PI 532659. *Citrullus lanatus* (Thunb.) Matsum. & Nakai CUCURBITACEAE Watermelon

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

**donor id:** 152. **origin:** South Africa. **collector:** S. Chadwick. **collector id:** Chadwick 153. **other id:** Chadwick 135. **locality:** 19km N of Maseru, Lesotho. **remarks:** Semi-cultivated. Planted with maize for cattle feed. Cultivated. Seed.

PI 532660 to 532662. *Cucumis africanus* L. F. CUCURBITACEAE

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

PI 532660 **donor id:** 139. **origin:** South Africa. **collector:** S. Chadwick. **collector id:** Chadwick 124. **other id:** Chadwick 124. **locality:** 157km W of Hotazel, North Cape. **remarks:** Fruits fairly bitter. Calcrebe. Wild. Seed.

PI 532661 **donor id:** 140. **origin:** South Africa. **collector:** S. Chadwick. **collector id:** Chadwick 123. **other id:** Chadwick 123. **locality:** 157km W of Hotazel, North Cape. **remarks:** Bitterness greater than PI 532660. Wild. Seed.

PI 532660 to 532662-continued

PI 532662 **donor id:** 142. **origin:** South Africa. **collector:** S. Chadwick. **collector id:** Chadwick 256. **other id:** Chadwick 256. **locality:** Grassland/scrub, dry, fine soil, 9km S of Richmond on North Koroo, Cape. **Wild. Seed.**

PI 532663. *Citrullus ecirrhosus* Cogn. CUCURBITACEAE

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

**donor id:** 153. **origin:** Swaziland. **collector id:** Joffe 56. **locality:** Namib. **remarks:** Fruits very bitter. Perennial. **Wild. Seed.**

PI 532664 to 532668. *Citrullus lanatus* (Thunb.) Matsum. & Nakai  
CUCURBITACEAE Watermelon

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

PI 532664 **donor id:** 145. **origin:** Swaziland. **collector:** S. Chadwick. **collector id:** Chadwick 31. **locality:** Grassland, 18km N of Windhoek on road to Okahandja. **remarks:** Weak climber. **Wild. Seed.**

PI 532665 **donor id:** 146. **origin:** Swaziland. **collector:** S. Chadwick. **collector id:** Chadwick 79. **locality:** Stony gravel, SW from Windhoek. **remarks:** Fruits bitter. **Wild. Seed.**

PI 532666 **donor id:** 147. **origin:** Swaziland. **collector:** S. Chadwick. **collector id:** Chadwick 93. **locality:** 67km NE of Windhoek. **remarks:** Fruits bitter. **Wild. Seed.**

PI 532667 **donor id:** 149. **origin:** Swaziland. **collector id:** Joffe 55. **remarks:** Fruits sweet. **Wild. Seed.**

PI 532668 **donor id:** 150. **origin:** Swaziland. **collector id:** Joffe 76. **remarks:** Fruits bitter and non-bitter. **Wild. Seed.**

PI 532669 to 532670. *Citrullus lanatus* (Thunb.) Matsum. & Nakai  
CUCURBITACEAE Watermelon

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

PI 532669 to 532670-continued

PI 532669 **donor id:** 148. **origin:** Botswana. **collector:** S. Chadwick. **collector id:** Chadwick 193. **locality:** White sand, Central Kalahair Game Reserve. **remarks:** Fruits sour and refreshing. Wild. Seed.

PI 532670 **donor id:** 151. **origin:** Botswana. **collector:** S. Chadwick. **collector id:** Chadwick 231. **locality:** S of Hoodia Central Kalahair Game Reserve. **remarks:** Very dry seed. Wild. Seed.

PI 532671. *Cucumis anguria* L. CUCURBITACEAE West Indian gherkin

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

**donor id:** 138. **origin:** Botswana. **collector:** S. Chadwick. **collector id:** Chadwick 233. **locality:** Deception Par, Central Kalahair Game Reserve. **remarks:** Flowers monoecious. Fruits edible. Wild. Seed.

PI 532672. *Lablab purpureus* subsp. *uncinatus* Verdc. FABACEAE

**Donated by:** Mithen, R., IBPGR, Rome, Italy. **remarks:** Received through IBPGR, Rome, Italy. Received January 20, 1988.

**donor id:** 154. **origin:** Swaziland. **collector:** S. Chadwick. **collector id:** Chadwick 110. **locality:** On road to Drimiopsis, 37km NNW of Gohabis. **remarks:** Habit climber in shrubs and prostrate. Runners to 2.0m. Wild. Seed.

PI 532673. *Cucumis* sp. CUCURBITACEAE

**Donated by:** Ingram, B., IBPGR, Rome, Italy; and Tostain, S., Bureau Genetique -ORSTOM, B.P. 11416, Miamey, Niger. **remarks:** Received through IBPGR. Received April 14, 1987.

**donor id:** C146. **origin:** Niger. **local name:** Ifafung entacurum. **collected:** December 7, 1985. **collector:** B. Ingram. **collector id:** C146. **locality:** Gorge at the third plateau of south Tamgak Plateau, near Iferouane, Agadez Province. **latitude:** 19 deg. 02 min. N. **longitude:** 8 deg. 39 min. E. **elevation:** 1640m. **remarks:** Single plant. Used for forage and medicinal purposes. Wild. Seed.

PI 532674. *Pennisetum glaucum* (L.) R. Br. POACEAE Pearl millet

**Donated by:** Ingram, B., IBPGR, Rome, Italy; and Tostain, S., Bureau Genetique -ORSTOM, B.P. 11416, Niamey, Niger. **remarks:** Received through IBPGR. Received April 14, 1987.

**donor id:** C141. **origin:** Niger. **local name:** Chibra.  
**collected:** December 4, 1985. **collector:** B. Ingram.  
**collector id:** C141. **locality:** Irrigated garden of Iferouane, about one over from the most southerly garden, Agadez Province. **latitude:** 19 deg. 04 min. N.  
**longitude:** 8 deg. 25 min. E. **elevation:** 655m.  
**restricted:** QUAR. **remarks:** Plants 130-180cm tall, vigorous, rare type with affinities with those of oases of southern Algeria. Semi-desert shrubland. **received as:** *P. americanum* subsp. *americanum*. Primitive Cultivar. Seed.

PI 532675 to 532694. *Pennisetum sieberianum* (Schldl.) Stapf & C. E. Hubb. POACEAE

**Donated by:** Ingram, B., IBPGR, Rome, Italy; and Tostain, S., Bureau Genetique -ORSTOM, B.P. 11416, Niamey, Niger. **remarks:** Received through IBPGR. Received April 14, 1987.

PI 532675 **donor id:** C085A. **origin:** Mali. **local name:** Chibra.  
**collected:** November 2, 1985. **collector:** B. Ingram; M. Guindo, Horn. **collector id:** C085A. **locality:** Adjacent to highway from Bamako toward Nussomborgou near Dral village and Nossombougou town, Bamako region. **latitude:** 13 deg. 00 min. N. **longitude:** 8 deg. 00 min. W.  
**elevation:** 500m. **restricted:** QUAR. **remarks:** Plants 150-250cm tall, abundant, weedy, on dry uncultivated areas. **received as:** *P. americanum* subsp. *stenostachyum*. Wild. Seed.

PI 532676 **donor id:** C086. **origin:** Mali. **collected:** November 2, 1985. **collector:** B. Ingram, M. Guindo, Horn. **collector id:** C086. **locality:** On road to Fallou and Nara, 3km S of Dideni village, Kokolani town, Bamako region. **latitude:** 13 deg. 52 min. N. **longitude:** 7 deg. 56 min. W.  
**elevation:** 392m. **restricted:** QUAR. **remarks:** Plants 50-150cm tall, weedy, small in size, in dry cultivated and uncultivated areas. Heads resistant to shattering. **received as:** *P. americanum* subsp. *stenostachyum*. Wild. Seed.

PI 532675 to 532694-continued

- PI 532677 donor id: C088. origin: Mali. collected: November 3, 1985. collector: B. Ingram, M. Guindo, Horn. collector id: C088. locality: Small woodland at the pond, edge of town, Fallou village, Mourdiah town, Bamako region. latitude: 14 deg. 35 min. N. longitude: 8 deg. 04 min. W. elevation: 262m. restricted: QUAR. remarks: Plants 100-150cm tall, weedy, on cultivated areas. received as: *P. americanum* subsp. *stenostachyum*. Wild. Seed.
- PI 532678 donor id: C091. origin: Mali. local name: Chibras. collected: November 3, 1985. collector: B. Ingram, M. Guindo, Horn. collector id: C091. locality: Outskirts of tiny village of Sambabougou, Doubabougou town, Bamako region. latitude: 14 deg. 32 min. N. longitude: 8 deg. 09 min. W. elevation: 270m. restricted: QUAR. remarks: Plants 100-200cm tall, abundant, weedy, on dry cultivated areas. received as: *P. americanum* subsp. *stenostachyum*. Wild. Seed.
- PI 532679 donor id: C092. origin: Mali. collected: November 3, 1985. collector: B. Ingram, M. Guindo, Horn. collector id: C092. locality: On way to Dyoumara, dirt track, Mohamed Bougou village, Doubabougou town, Kayes region. latitude: 14 deg. 30 min. N. longitude: 8 deg. 21 min. W. elevation: 300m. restricted: QUAR. remarks: Plants 100-250cm tall, weedy, uncultivated areas. received as: *P. americanum* subsp. *stenostachyum*. Wild. Seed.
- PI 532680 donor id: C095. origin: Mali. collected: November 8, 1985. collector: B. Ingram, M. Guindo, Horn. collector id: C095. locality: Along road to Sindegui and Korientse, Time village, Kona town, Mopti region. latitude: 14 deg. 58 min. N. longitude: 3 deg. 55 min. E. elevation: 270m. restricted: QUAR. remarks: Plants 100-250cm tall, abundant, highly variable, some resistance to shattering, weedy, dry cultivated and uncultivated areas. received as: *P. americanum* subsp. *stenostachyum*. Wild. Seed.
- PI 532681 donor id: C097. origin: Mali. collected: November 8, 1985. collector: B. Ingram, M. Guindo, Horn. collector id: C097. locality: On road to Sindegue and Korientze, Barkinelbi village, Korientze town, Mopti region. latitude: 15 deg. 09 min. N. longitude: 3 deg. 51 min. E. elevation: 270m. restricted: QUAR. remarks: Plants 100-200cm tall, weedy, on dry cultivated areas. received as: *P. americanum* subsp. *stenostachyum*. Wild. Seed.

PI 532675 to 532694-continued

- PI 532682 donor id: C104. origin: Mali. collected: November 11, 1985. collector: M. Guindo. collector id: C104. locality: On side of the channel, 1 km N of Aka village, Youvarou town, Mopti region. latitude: 15 deg. 25 min. N. longitude: 4 deg. 12 min. W. elevation: 265m. restricted: QUAR. remarks: Plants 100-200cm tall, weedy, on dry scrubland areas. received as: *P. americanum* subsp. *stenostachyum*. Wild. Seed.
- PI 532683 donor id: C108. origin: Mali. collected: November 14, 1985. collector: B. Ingram. collector id: C108. locality: Pond, near Tofoli village, Mopti town, Mopti region. latitude: 14 deg. 15 min. N. longitude: 4 deg. 2 min. W. elevation: 382m. restricted: QUAR. remarks: Plants 200-300cm tall, vigorous, some resistance to shattering. Dry cultivated areas. received as: *P. americanum* subsp. *stenostachyum*. Primitive Cultivar. Seed.
- PI 532684 donor id: C109. origin: Mali. collected: November 14, 1985. collector: B. Ingram. collector id: C109. locality: Off a dirt track SE of Mopti, Modjodge village, Mopti region. latitude: 14 deg. 12 min. N. longitude: 4 deg. 02 min. W. elevation: 290-300m. restricted: QUAR. remarks: Plants 200-300cm tall, weedy, abundant, on dry cultivated areas. received as: *P. americanum* subsp. *stenostachyum*. Wild. Seed.
- PI 532685 donor id: C111. origin: Mali. collected: November 14, 1985. collector: B. Ingram, M. Giudo, Horn. collector id: C111. locality: Off the main dirt track going E and S of Mopti to the border with Burkina Faso, Gani-Do village, Bandiagara town, Mopti region. latitude: 14 deg. 03 min. N. longitude: 3 deg. 48 min. E. elevation: 430m. restricted: QUAR. remarks: Plants 100-200cm tall, small, weedy, abundant, on cultivated areas. Used as cane for building and thatch for roofs. received as: *P. americanum* subsp. *stenostachyum*. Wild. Seed.
- PI 532686 donor id: C113. origin: Niger. collected: November 22, 1985. collector: B. Ingram, S. Tostain. collector id: C113. locality: Off the main highway, E of Sinder, 2km of Malbaza, .5km from cement factory, Malbaza towards Madaoua town, Tahova Department. latitude: 14 deg. 00 min. N. longitude: 5 deg. 50 min. E. restricted: QUAR. remarks: Plants 150-250cm tall, weedy, abundant, on dry cultivated areas. Heads long, drooping, some resistance to shattering. received as: *P. americanum* subsp. *stenstachyum*. Wild. Seed.



- PI 532687 donor id: C114. origin: Niger. collected: November 23, 1985. collector: B. Ingram, S. Tostain. collector id: C114. locality: Along the main road between Zinder and Tanout Bakin Birji village, Zinder Department. latitude: 14 deg. 16 min. N. longitude: 8 deg. 48 min. E. elevation: 465m. restricted: QUAR. remarks: Plants 50-150cm tall, abundant, vigorous, weedy, on dry cultivated areas. Heads various colors and sizes. received as: *P. american* subsp. *stenostachyum*. Wild. Seed.
- PI 532688 donor id: C116. origin: Niger. collected: November 23, 1985. collector: B. Ingram, S. Tostain. collector id: C115. locality: Along the main road between Zinder and Tanout, Sabon Kafi village, Zinder Department. latitude: 14 deg. 41 min. N. longitude: 8 deg. 47 min. E. elevation: 500m. restricted: QUAR. remarks: Plants 100-230cm tall, dense, weedy, abundant. Many heads black, some with long spikes. received as: *P. american* subsp. *stenostachyum*. Wild. Seed.
- PI 532689 donor id: C119. origin: Niger. collected: November 23, 1985. collector: B. Ingram, S. Tostain. collector id: C119. locality: Road to Agadez, 11km N of Tanout, Zinder Department. latitude: 15 deg. 02 min. N. longitude: 8 deg. 47 min. E. elevation: 563m. restricted: QUAR. remarks: Plants 100-200cm tall, abundant, vigorous, weedy, on dry cultivated areas. Heads mostly dark. received as: *P. americanum* subsp. *stenostachyum*. Wild. Seed.
- PI 532690 donor id: C121. origin: Niger. collected: November 24, 1985. collector: B. Ingram, S. Tostain. collector id: C121. locality: Near an abandoned village, 75km from Arlit on an old track towards Timia village, Agadez Department. latitude: 18 deg. 25 min. N. longitude: 8 deg. 10 min. E. elevation: 580m. restricted: QUAR. remarks: Plants 150-200cm tall, weedy, on dry cultivated area, not abundant. received as: *P. american* subsp. *stenostachyum*. Wild. Seed.
- PI 532691 donor id: C126. origin: Niger. local name: Chibra. collected: November 27, 1985. collector: B. Ingram, S. Tostain. collector id: C126. locality: Irrigated gardens of Tchintoulous village, near Iferouane town, Agadez Department. latitude: 18 deg. 35 min. N. longitude: 8 deg. 49 min. E. elevation: 720m. restricted: QUAR. remarks: Plants 100-150cm tall, weedy. Population diverse. received as: *P. american* subsp. *stenostachyum*. Wild. Seed.

PI 532675 to 532694-continued

- PI 532692 **donor id:** C128. **origin:** Niger. **local name:** Chibra. **collected:** November 27, 1985. **collector:** B. Ingram. **collector id:** C128. **locality:** Irrigated gardens of Tchintoulous village, near Iferouane town, Agadez Province. **latitude:** 18 deg. 35 min. N. **longitude:** 8 deg. 49 min. E. **elevation:** 720m. **restricted:** QUAR. **remarks:** Plants 100-150cm tall, weedy, highly vigorous. Semi-cultivated. Used grilled for food and forage. **received as:** *P. americanum* subsp. *stenostachyum*. Wild. Seed.
- PI 532693 **donor id:** C129. **origin:** Niger. **local name:** Chibra. **collected:** November 27, 1985. **collector:** B. Ingram. **collector id:** C129. **locality:** Irrigated gardens of Tchintoulous village, near Iferouane town, Agadez Department. **latitude:** 18 deg. 35 min. N. **longitude:** 8 deg. 49 min. E. **elevation:** 720m. **restricted:** QUAR. **remarks:** Plants weedy. Heads short. Used for forage. Farmer's private collection. Cultivated. **received as:** *P. americanum* subsp. *stenostachyum*. Wild. Seed.
- PI 532694 **donor id:** C132. **origin:** Niger. **local name:** Chibra. **collected:** November 27, 1985. **collector:** B. Ingram. **collector id:** C132. **locality:** In a wadi W of Tchintoulous village and S of the two mountains Aguerauer and Afis, Iferouane town, Agadez Department. **latitude:** 18 deg. 32 min. N. **longitude:** 8 deg. 38 min. E. **elevation:** 740m. **restricted:** QUAR. **remarks:** Plant 50cm tall, weedy, very dry area. **received as:** *P. americanum* subsp. *stenostachyum*. Wild. Seed.

PI 532695 to 532708. *Pennisetum violaceum* (Lam.) Rich. POACEAE

**Donated by:** Ingram, B., IBPGR, Rome, Italy; and Tostain, S., Bureau Genetique -ORSTROM, B.P. 11416, Niamey, Niger. **remarks:** Received through IBPGR. Received April 14, 1987.

- PI 532695 **donor id:** C087. **origin:** Mali. **collected:** November 2, 1985. **collector:** B. Ingram, M. Guindo, Horn. **collector id:** C087. **locality:** On road to Fallou, Djige village, Bamako region. **latitude:** 14 deg. 25 min. N. **longitude:** 7 deg. 55 min. E. **elevation:** 280m. **restricted:** QUAR. **remarks:** Plants 200cm tall, abundant, weedy, dry cultivated areas. Most heads blonde. Inflorescences barbed. **received as:** *P. mollisimum*. Wild. Seed.

PI 532695 to 532708-continued

- PI 532696 donor id: C100. origin: Mali. collected: November 10, 1985. collector: B. Ingram, M. Guindo, Horn. collector id: C100. locality: Near rising water in an area of cultivation, 1km S of Youvarou village, Mopti town, Mopti region. latitude: 15 deg. 22 min. N. longitude: 4 deg. 16 min. E. elevation: 200m. restricted: QUAR. remarks: Plants 100-150cm tall, weedy. Adapted remarkably to sand dunes. received as: P. mollisimum. Wild. Seed.
- PI 532697 donor id: C112. origin: Niger. collected: November 22, 1985. collector: B. Ingram and S. Tostain. collector id: C112. locality: Off main highway going E towards Zinder, 2km E of Malbaza, 0.2km from the cement factory, Tahova Department. latitude: 14 deg. 00 min. N. longitude: 5 deg. 50 min. E. restricted: QUAR. remarks: Plants 100-200cm tall, dense, healthy, weedy. Heads long, large, up to 15cm by 3cm. received as: P. mollisimum. Wild. Seed.
- PI 532698 donor id: C115. origin: Niger. collected: November 23, 1985. collector: B. Ingram, S. Tostain. collector id: C115. locality: Along road between Zinder and Tanout, near Sabon Kafi village, Zinder Department. latitude: 14 deg. 41 min. N. longitude: 8 deg. 47 min. E. elevation: 500m. restricted: QUAR. remarks: Plants 50-100cm tall, weedy, clumps, dry cultivated areas. Heads mostly blonde, some small, purple. received as: P. mollisimum. Wild. Seed.
- PI 532699 donor id: C117. origin: Niger. collected: November 23, 1985. collector: B. Ingram, S. Tostain. collector id: C117. locality: Along road between Zinder and Tanout, near Tanout, Zinder Department. latitude: 14 deg. 54 min. N. longitude: 8 deg. 54 min. E. elevation: 500m. restricted: QUAR. remarks: Plants 50-100cm tall, abundant, sparse clumps, weedy. Some heads long and slender, 13cm by 2cm. received as: P. mollisimum. Wild. Seed.
- PI 532700 donor id: C118. origin: Niger. collected: November 23, 1985. collector: B. Ingram, S. Tostain. collector id: C118. locality: On road to Agadez, 11km N of Tanout, Zinder Department. latitude: 15 deg. 02 min. N. longitude: 8 deg. 47 min. E. elevation: 563m. restricted: QUAR. remarks: Plants 50-150cm tall, weedy, abundant, vigorous. Head size and color highly variable. received as: P. mollisimum. Wild. Seed.

PI 532695 to 532708-continued

- PI 532701 **donor id:** C120. **origin:** Niger. **collected:** November 24, 1985. **collector:** B. Ingram, S. Tostain. **collector id:** C120. **locality:** On old track road going to Timia and Agadez, near abandoned village, Arlit, Agadez Department. **latitude:** 18 deg. 25 min. N. **longitude:** 8 deg. 10 min. E. **elevation:** 580m. **restricted:** QUAR. **remarks:** Plants 20-50cm tall, abundant, weedy. Heads very small. **received as:** P. mollisimum. Wild. Seed.
- PI 532702 **donor id:** C122. **origin:** Niger. **collected:** November 25, 1985. **collector:** B. Ingram, S. Tostain. **collector id:** C122. **locality:** On track to Iferouane, 135km from Arlit, near Timia village, Agadez Department. **latitude:** 18 deg. 16 min. N. **longitude:** 8 deg. 25 min. E. **elevation:** 800m. **restricted:** QUAR. **remarks:** Plants 20-50cm tall. 10 clumps. Heads tiny, blonde. **received as:** P. mollisimum. Wild. Seed.
- PI 532703 **donor id:** C123. **origin:** Niger. **collected:** November 25, 1985. **collector:** B. Ingram and S. Tostain. **collector id:** C123. **locality:** On track south of the main road from Arlit to Iferouane, 95km from Iferouane village, Agadez Department. **latitude:** 18 deg. 27 min. N. **longitude:** 7 deg. 36 min. E. **elevation:** 600-700m. **restricted:** QUAR. **remarks:** Plants 20-50cm tall. Heads small, blonde. **received as:** P. mollisimum. Wild. Seed.
- PI 532704 **donor id:** C124. **origin:** Niger. **collected:** November 27, 1985. **collector:** B. Ingram and S. Tostain. **collector id:** C124. **locality:** On track from Iferouane to Tchintoulous, W of Agueraguer (a mountain ridge), 61km away from Iferouane, Agadez Department. **latitude:** 18 deg. 38 min. N. **longitude:** 8 deg. 33 min. E. **elevation:** 800-805m. **restricted:** QUAR. **remarks:** Plants 20-70cm tall, abundant. **received as:** P. mollisimum. Wild. Seed.
- PI 532705 **donor id:** C130. **origin:** Niger. **local name:** Ibanaou. **collected:** November 27, 1985. **collector:** B. Ingram, S. Tostain. **collector id:** C130. **locality:** In a wadi W of Tchintoulous and S of mountains Aguerauer and Afis, Iferouane town, Agadez Department. **latitude:** 18 deg. 32 min. N. **longitude:** 8 deg. 38 min. E. **elevation:** 740m. **restricted:** QUAR. **remarks:** Plants 20-70cm tall, abundant. Heads relatively large. Inflorescence mostly blonde, some red. **received as:** P. mollisimum. Wild. Seed.

PI 532695 to 532708-continued

- PI 532706 **donor id:** C149. **origin:** Niger. **collected:** December 11, 1985. **collector:** B. Ingram, S. Tostain. **collector id:** C149. **locality:** Dry area, the Eouei valley W of Iferouane-Timia road, Tchintoulous village, Iferouane town, Agadez Department. **latitude:** 18 deg. 35 min. N. **longitude:** 8 deg. 24 min. E. **elevation:** 650m. **restricted:** QUAR. **remarks:** Plants 50-100cm tall, abundant. **received as:** *P. mollisimum*. Wild. Seed.
- PI 532707 **donor id:** C151. **origin:** Niger. **collected:** December 11, 1985. **collector:** B. Ingram, S. Tostain. **collector id:** C151. **locality:** Along the main road from Iferouane and Timia, near Tchintoulous village, Iferouane town, Agadez Department. **latitude:** 18 deg. 28 min. N. **longitude:** 8 deg. 34 min. E. **elevation:** 700m. **restricted:** QUAR. **remarks:** Plants 50-100cm tall, abundant. Head size highly diverse. **received as:** *P. mollisimum*. Wild. Seed.
- PI 532708 **donor id:** C152. **origin:** Niger. **collected:** December 12, 1985. **collector:** B. Ingram, S. Tostain. **collector id:** C152. **locality:** On main highway to Niamey, 80km south of Agadez Department. **latitude:** 16 deg. 20 min. N. **longitude:** 8 deg. 35 min. E. **elevation:** 500m. **restricted:** QUAR. **remarks:** Plants abundant, wild, highly vigorous. Heads mostly large. blonde. **received as:** *P. mollisimum*. Wild. Seed.

PI 532709 to 532711. *Pennisetum pedicellatum* Trin. POACEAE

**Donated by:** Ingram, B., IBPGR, Rome, Italy; and Tostain, S., Bureau Genetique -ORSTOM, 11416, Niamey, Niger. **remarks:** Received through IBPGR. Received April 14, 1987.

- PI 532709 **donor id:** C085. **origin:** Mali. **collected:** November 02, 1985. **collector:** B. Ingram, M. Giundo, Horn. **collector id:** C085. **locality:** Adjacent to highway from Bamako to Nossomborgou, Bamako region. **latitude:** 13 deg. 00 min. N. **longitude:** 8 deg. 00 min. E. **elevation:** 500m. **restricted:** QUAR. **remarks:** Plants 300-800cm tall, abundant, weedy, on dry cultivated land. Head sizes and colors highly diverse. Wild. Seed.

PI 532709 to 532711-continued

PI 532710 donor id: C143. origin: Niger. collected: November 06, 1985. collector: B. Ingram. collector id: C143. locality: Along a narrow heavily vegetated seasonal stream course at the second plateau, near Iferouane village, Iferouane town, Agadez Department. latitude: 18 deg. 59 min. N. longitude: 8 deg. 39 min. E. elevation: 1600m. restricted: QUAR. remarks: Plants 30-60cm tall, sparse clumps, marginal vigor, on dry uncultivated areas. Heads long, narrow, some violet, about 20% rust effected. Wild. Seed.

PI 532711 donor id: C147. origin: Niger. collected: December 8, 1985. collector: B. Ingram. collector id: C147. locality: Grazed area on a boulder valley above the Toubouzout valley in the south Tamgak plateau, near Iferouane village, Inferouane town, Agadez Department. latitude: 19 deg. 03 min. N. longitude: 8 deg. 38 min. E. elevation: 800m. restricted: QUAR. remarks: Plants 50-100cm tall. 3 small clumps. Heads small, thin, diseased. Wild. Seed.

PI 532712. *Sorghum arundinaceum* (Desv.) Stapf POACEAE

Donated by: Ingram, B., IBPGR, Rome, Italy; and Tostain, S., Bureau Genetique -ORSTOM, B.P. 11416, Miamey, Niger. remarks: Received through IBPGR. Received April 14, 1987.

donor id: C136. origin: Niger. local name: Acheghor. collected: December 1, 1985. collector: B. Ingram. collector id: C136. locality: Valley, closed off by high sand dune, S of Mt. Grebouan, near Iferouane village, Inferouane town, Agadez Department. latitude: 20 deg. 13 min. N. longitude: 8 deg. 20 min. E. elevation: 850m. restricted: QUAR. remarks: Plants 150-250cm tall, in dry areas of sand, rock, and high mountains. Gathered and eaten as a grain, prized. received as: *S. aethiopicum*. Wild. Seed.

PI 532713. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Ingram, B., IBPGR, Rome, Italy; and Tostain, S., Bureau Genetique -ORSTOM, B.P. 11416, Niamey, Niger. remarks: Received through IBPGR. Received April 14, 1987.

**donor id:** C127. **origin:** Niger. **collected:** November 27, 1985. **collector:** B. Ingram. **collector id:** C127.  
**locality:** Irrigated gardens of the village of Tchintoulous, Iferouane town, Agadez Department.  
**latitude:** 18 deg. 35 min. N. **longitude:** 8 deg. 49 min. E. **elevation:** 720m. **restricted:** QUAR. **remarks:** Plants 150-200cm tall. Heads bright red. Used for food. Primitive Cultivar. Seed.

PI 532714 to 532738. Cucurbita sp. CUCURBITACEAE

**Donated by:** Nlandu ne Nsaku, Citoyen, Institut de Recherche, Agronomique et Zootechnique (IRAZ), De La C.E.P.G.L., B.P. 91, Gitega, Burundi. **remarks:** Received through IBPGR, Rome, Italy. Received September 1988.

PI 532714 **donor id:** IZ 1000582. **origin:** Zaire. **local name:** Mbika. **collected:** August 28, 1987. **collector:** C. Nlandu ne Nsaku. **collector id:** NNN 11. **locality:** Farmstore, Mongo Mansongania, 10km NE of Mvuazi (Kolo), Kuilu-Ngongo District, Bas-Zaire Province. **latitude:** 5 deg. 27 min. S. **longitude:** 14 deg. 52 min. E. **elevation:** 400-500m. **remarks:** Bandibu tribe, Kikongo language. Planted March, harvested July. Courge type. Primitive Cultivar. Seed.

PI 532715 **donor id:** IZ 1000584. **origin:** Zaire. **local name:** Mbika. **collected:** August 28, 1987. **collector:** C. Nlandu ne Nsaku. **collector id:** NNN 13. **locality:** Farmstore, Mongo, 10km N of Mvuazi (Kolo), Kuilu-Ngungu District, Bas-Zaire Province. **latitude:** 5 deg. 27 min. S. **longitude:** 14 deg. 52 min. E. **elevation:** 400-500m. **remarks:** Bandibu tribe, Kikongo language. Planted March, harvested July. Courge type. Primitive Cultivar. Seed.

PI 532716 **donor id:** IZ 1000606. **origin:** Zaire. **local name:** Mbika. **collected:** August 29, 1987. **collector:** C. Nlandu ne Nsaku. **collector id:** NNN 35. **locality:** Farmstore, Mputu, 6km from Mvuazi (Kolo), Boko District, Bas-Zaire Province. **latitude:** 5 deg. 27 min. S. **longitude:** 14 deg. 52 min. E. **elevation:** 400-500m. **remarks:** Bandibu tribe, Kikongo language. Planted March, harvested June. Courge type. Primitive Cultivar. Seed.

PI 532717 **donor id:** IZ 1000607. **origin:** Zaire. **local name:** Mbika. **collected:** August 29, 1987. **collector:** C. Nlandu ne Nsaku. **collector id:** NNN 36. **locality:** Farmstore, Mputu, 6km E of Mvuazi (Kolo), Boko District, Bas-Zaire Province. **latitude:** 5 deg. 55 min. S. **longitude:** 15 deg. E. **elevation:** 400-500m. **remarks:** Bandibu tribe, Kikongo language. Planted March, harvested June. Courge type. Primitive Cultivar. Seed.

PI 532714 to 532738-continued

- PI 532718 donor id: IZ 1000609. origin: Zaire. local name: Mbika. collected: August 29, 1987. collector: C. Nlandu ne Nsaku. collector id: NNN 38. locality: Farmstore, Kindinga, 4km W of Mvuazi (Kolo), Boko District, Bas-Zaire Province. latitude: 5 deg. 27 min. S. longitude: 14 deg. 52 min. E. elevation: 400-500m. remarks: Bandibu tribe. Kikongo language. Planted October, harvested January. Courge type. Primitive Cultivar. Seed.
- PI 532719 donor id: IZ 1000616. origin: Zaire. local name: Mbika, Nsudia. collected: August 30, 1987. collector: C. Nlandu ne Nsaku. collector id: NNN 45. locality: Village market, Marche de Kolo, 1 km W of Mvuazi (Kolo), Boico District, Bas Zaire Province. latitude: 5 deg. 27 min. S. longitude: 14 deg. 52 min. E. elevation: 400-500m. remarks: Bandibu tribe, Kikongo language. Planted March, harvested July. Courge type. Primitive Cultivar. Seed.
- PI 532720 donor id: IZ 1000624. origin: Zaire. local name: Malenge, (Mbika). collected: August 31, 1987. collector: C. Nlandu ne Nsaku. collector id: NNN 53. locality: Village market, Marche Ngongo, 10KM SW of Kimpango, Gombe Sud District, Bas-Zaire Province. latitude: 5 deg. 55 min. S. longitude: 15 deg. 00 min. E. elevation: 600-750m. remarks: Bandibu tribe, Kikongo language. Planted March, harvested June. Courge type. Primitive Cultivar. Seed.
- PI 532721 donor id: IZ 1000625. origin: Zaire. local name: Nsudia (Mbika). collected: September 1, 1987. collector: C. Nlandu ne Nsaku. collector id: NNN 54. locality: Village market, Marche Ngongo, 10km SW of Kimpangu, Gombe Sud District, Bas-Zaire Province. latitude: 5 deg. 55 min. S. longitude: 15 deg. 00 min. E. elevation: 700-800m. remarks: Bandibu tribe. Planted March, harvested June. Nsudia (courge) type. Primitive Cultivar. Seed.
- PI 532722 donor id: IZ 1000626. origin: Zaire. local name: Pepele (Mbika). collected: September 1, 1987. collector: C. Nlandu ne Nsaku. collector id: NNN 55. locality: Village market, Marche Ngongo, 10km SW of Kimpangu, Gombe Sud District, Bas-Zaire Province. latitude: 5 deg. 55 min. S. longitude: 15 deg. 00 min. E. elevation: 600-650m. remarks: Bandibu tribe, Kikongo language. Planted March, harvested June. Pepele (courge) type. Primitive Cultivar. Seed.



PI 532714 to 532738-continued

- PI 532723 donor id: IZ 1000633. origin: Zaire. local name: Mbika. collected: September 1, 1987. collector: C. Nlandu ne Nsaku. collector id: NNN 62. locality: Village market, Marche Mawunzi, 35km NE of Mbanza Ngu, Kivulu Mbanza Ngungu District, Bas-Zaire Province. latitude: 5 deg. 21 min. S. longitude: 15 deg. 05 min. E. elevation: 350-400m. remarks: Bandibu tribe, Kikongo language. Planted March, harvested July. Courge type. Primitive Cultivar. Seed.
- PI 532724 donor id: IZ 1000653. origin: Zaire. local name: Mbika, Nsudia. collected: September 4, 1987. collector: C. Nlandu ne Nsaku. collector id: NNN 82. locality: Farmstore, Kinsuka, 48km S of Gombe Matadi, Ntimansi District, Bas-Zaire Province. latitude: 5 deg. 11 min. S. longitude: 14 deg. 33 min. E. elevation: 400-500m. remarks: Besingombe tribe, Kikongo language. Planted October/November, harvested June/August. Primitive Cultivar. Seed.
- PI 532725 donor id: IZ 1000671. origin: Zaire. local name: Mbika. collected: September 8, 1987. collector: C. Nlandu ne Nsaku. collector id: NNN 100. locality: Farmstore, Bete, 47km W of Songololo, Bamboma District, Bas-Zaire Province. latitude: 5 deg. 33 min. S. longitude: 13 deg. 52 min. E. elevation: 400-500m. remarks: Manteke tribe, Kikongo language. Planted November, harvested January/February. Courge type. Primitive Cultivar. Seed.
- PI 532726 donor id: IZ 1000696. origin: Zaire. local name: Mantete (Mbale). collected: September 21, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 125. locality: Farmstore, Kiyaka, 65km S of Kikwit, Mungindu Gungu District, Bas-Zaire Province. latitude: 4 deg. 44 min. S. longitude: 19 deg. 6 min. E. elevation: 735m. remarks: Bampende tribe, Kikonga (Kimpende) language. Planted September/October, harvested February/March. Kikonga (Kimpende) language. Kipeti type. Primitive Cultivar. Seed.
- PI 532727 donor id: IZ 1000697. origin: Zaire. local name: Mantete. collected: September 21, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 126. locality: Farmstore, Kiyaka, 65km S of Kikwit, Mungindu Gungu District, Bandundu Province. latitude: 4 deg. 44 min. S. longitude: 19 deg. 6 min. E. elevation: 735m. remarks: Bampende tribe, Kimpende language. Planted September/October, harvested January/February. Mubungi type. Primitive Cultivar. Seed.

- PI 532728 donor id: IZ 1000703. origin: Zaire. local name: Mantete (Mbale). collected: September 21, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 132. locality: Ngasi, 70km S of Kikwit, Mungindu District. latitude: 4 deg. 44 min. S. longitude: 19 deg. 6 min. E. elevation: 400-500m. remarks: Bampende tribe, Kikongo (Kimpende) language. Planted September/October, harvested February/March. Primitive Cultivar. Seed.
- PI 532729 donor id: IZ 1000704. origin: Zaire. local name: Mantete (Mbale). collected: September 21, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 133. locality: Farmstore, Ngasi, 70km S of Kikwit, Mungindu District, Bandundu Province. latitude: 4 deg. 44 min. S. longitude: 19 deg. 6 min. E. elevation: 400-500m. remarks: Bapende tribe, Kikongo (Kimpende) language. Planted October, harvested February. Primitive Cultivar. Seed.
- PI 532730 donor id: IZ 1000708. origin: Zaire. local name: Mantete. collected: September 25, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 137. locality: Village market, Marche de Idiofa, Musanga/Idiofa District, Bandundu Province. latitude: 5 deg. 00 min. S. longitude: 19 deg. 33 min. E. elevation: 400-500m. remarks: Babunda tribe, Kikongo language. Planted October/November, harvested January/February. Seed.
- PI 532731 donor id: IZ 1000713. origin: Zaire. local name: Mantete. collected: September 25, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 142. locality: Village market, Marche Local de Idiofa, Musanga Idiofa District, Bandundu Province. latitude: 5 deg. 00 min. S. longitude: 19 deg. 33 min. E. elevation: 400-500m. remarks: Babunda tribe, Kibunda language. Planted October/November, harvested February. Primitive Cultivar. Seed.
- PI 532732 donor id: IZ 1000719. origin: Zaire. local name: Mantete. collected: September 25, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 148. locality: Farmstore, Ingungu Kapia, 15km N of Idiofa, Musanga District, Bandundu Province. latitude: 4 deg. 50 min. S. longitude: 19 deg. 38 min. E. elevation: 400-500m. remarks: Bambunda tribe, Kimbunda language. Planted August/September, harvested December. Primitive Cultivar. Seed.

- PI 532733 donor id: IZ 1000736. origin: Zaire. local name: Mantete (courage). collected: September 29, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 165. locality: Farmstore, Mbonga Masoka, 40km S of Bulungu, NKO/Zone Bulungu District, Bandundu Province. latitude: 4 deg. 43 min. S. longitude: 18 deg. 40 min. E. elevation: 400-500m. remarks: Bambala tribe, Kimbala language. Planted January, harvested May/June. Kipeti type. Primitive Cultivar. Seed.
- PI 532734 donor id: IZ 1000739. origin: Zaire. local name: Mantete (courage). collected: September 30, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 168. locality: Farmstore, Ndala 20km W of Bulungu, Lunungu/Zone Bulungu District, Bandundu Province. latitude: 4 deg. 30 min. S. longitude: 18 deg. 27 min. E. elevation: 400-500m. remarks: Bambala tribe, Kikongo language. Planted September, harvested December/January. Seed.
- PI 532735 donor id: IZ 1000743. origin: Zaire. local name: Mantete (Nsudi). collected: September 30, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 172. locality: Farmstore, Misele, 60km W of Masi-Manima, Pelenden/Zone Kenge, Bandundu Province. latitude: 4 deg. 45 min. S. longitude: 17 deg. 27 min. E. elevation: 400-500m. remarks: Bapelende tribe, Kikongo language. Planted September harvested December. Primitive Cultivar. Seed.
- PI 532736 donor id: IZ 1000753. origin: Zaire. local name: Mbika, (courage), Mantete. collected: October 1, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 182. locality: Marche local de Masi-Manima, Masi District, Bandundu Province. latitude: 4 deg. 46 min. S. longitude: 17 deg. 55 min. E. elevation: 590m. remarks: Bangongo tribe, Kikongo language. Planted September harvested December. Seed.
- PI 532737 donor id: IZ 1000754. origin: Zaire. local name: Mantete (courage). collected: October 1, 1987. collector: C. Nlandu ne Nsaku, M. Anzolo. collector id: NNN 183. locality: Village market, Marche local de Masi, Masi-Manima, Masi District, Bandundu Province. latitude: 4 deg. 46 min. S. longitude: 17 deg. 55 min. E. elevation: 590m. remarks: Bambala, Bangongo tribes, Kikongo language. Seed.

PI 532714 to 532738-continued

PI 532738 **donor id:** IZ 1000774. **origin:** Zaire. **local name:** Mantete (courage). **collected:** October 4, 1987. **collector:** C. Nlandu, M. Anzolo. **collector id:** NNN 203. **locality:** Village market, Marche local de Kahemba, Kahemba, Moloshi District, Bandundu Province. **latitude:** 7 deg. 18 min. S. **longitude:** 18 deg. 58 min. E. **elevation:** 1000-1200m. **remarks:** Batshokwe tribe, Kikongo language. Planted September, harvested December, Tetela type. Primitive Cultivar. Seed.

PI 532739 to 532750. *Pennisetum glaucum* (L.) R. Br. POACEAE Pearl millet

**Donated by:** Nlandu ne Nsaku, Citoyen, Institut de Recherche, Agronomique et Zootechnique (IRAZ), De La C.E.P.G.L., B.P. 91, Gitega, Burundi. **remarks:** Received through IBPGR, Rome, Italy. Received September 1988.

PI 532739 **donor id:** IZ. **origin:** Zaire. **local name:** Mpondo. **collected:** September 22, 1987. **collector:** C. Nlandu, M. Anzolo. **collector id:** NNN 136. **locality:** Farmstore, Inera-Kiyaka, 65km S of Kikwit, Mungindu District, Bandundu Province. **latitude:** 4 deg. 44 min. S. **longitude:** 19 deg. 6 min. E. **elevation:** 735m. **restricted:** QUAR. **remarks:** Bampende tribe, Kikongo language. Planted March, harvested July. **received as:** P. typhoides. Primitive Cultivar. Seed.

PI 532740 **donor id:** IZ 1600709. **origin:** Zaire. **local name:** Mpondo. **collected:** September 25, 1987. **collector:** C. Nlandu, M. Anzolo. **collector id:** NNN 138. **locality:** Marche Idiofa, Musanga/Idiofa District, Bandundu Province. **latitude:** 5 deg. 00 min. S. **longitude:** 19 deg. 33 min. E. **elevation:** 400-500m. **restricted:** QUAR. **remarks:** Babunda tribe, Kikongo language. Planted September/October, harvested February. **received as:** P. typhoides. Primitive Cultivar. Seed.

PI 532741 **donor id:** IZ 1600718. **origin:** Zaire. **local name:** Mpondo. **collected:** September 25, 1987. **collector:** C. Nlandu, M. Anzolo. **collector id:** NNN 147. **locality:** Farmstore, Ingungu Kapia, 15km N of Idiofa, Musanga District, Bandundu Province. **latitude:** 4 deg. 50 min. S. **longitude:** 18 deg. 38 min. E. **elevation:** 400-500m. **restricted:** QUAR. **remarks:** Bambunda tribe, Kimbunda language. Planted January/February, harvested June/July. **received as:** P. typhoides. Primitive Cultivar. Seed.

PI 532739 to 532750-continued

- PI 532742 **donor id:** IZ 1600729. **origin:** Zaire. **local name:** Mpondo (millet). **collected:** September 27, 1987. **collector:** C. Nlandu, M. Anzolo. **collector id:** NNN 158. **locality:** Village market, Gungu (Marche Local), Gungu/ Gungu District, Bandundu Province. **latitude:** 5 deg. 44 min. S. **longitude:** 19 deg. 22 min. E. **elevation:** 600-700m. **restricted:** QUAR. **remarks:** Bampende tribe. Planted January/February, harvested June/July. **received as:** P. typhoides. Primitive Cultivar. Seed.
- PI 532743 **donor id:** IZ 1600738. **origin:** Zaire. **local name:** Mpondo. **collected:** September 29, 1987. **collector:** C. Nlandu, M. Anzolo. **collector id:** NNN 167. **locality:** Village market, Marche-Local de Bulungu, Bulungu, NKO/Zone Bulungu District, Bandundu Province. **latitude:** 4 deg. 33 min. S. **longitude:** 18 deg. 39 min. E. **elevation:** 400-500m. **restricted:** QUAR. **remarks:** Bambala tribe, Kikongo language. Planted January/February, harvested June/July. **received as:** P. typhoides. Primitive Cultivar. Seed.
- PI 532744 **donor id:** IZ 1600756. **origin:** Zaire. **local name:** Mpondo. **collected:** October 1, 1987. **collector:** C. Nlandu, M. Anzolo. **collector id:** NNN 185. **locality:** Commercial market, Marche de Kikwit, Kikwit District, Bandundu Province. **latitude:** 5 deg. 5 min. S. **longitude:** 18 deg. 50 min. E. **elevation:** 500-600m. **restricted:** QUAR. **remarks:** Bapende tribe, Kikongo language. Planted February/March, harvested June/July. **received as:** P. typhoides. Primitive Cultivar. Seed.
- PI 532745 **donor id:** IZ 1600757. **origin:** Zaire. **local name:** Mpondo. **collected:** October 1, 1987. **collector:** C. Nlandu, M. Anzolo. **collector id:** NNN 186. **locality:** Commercial market, Marche de Kikwit, Kikwit District, Bandundu Province. **latitude:** 5 deg. 5 min. S. **longitude:** 18 deg. 50 min. E. **elevation:** 500-600m. **restricted:** QUAR. **remarks:** Bambunda tribe, Kikongo language. Planted February/March, harvested June/July. **received as:** P. typhoides. Primitive Cultivar. Seed.
- PI 532746 **donor id:** IZ 1600759. **origin:** Zaire. **local name:** Mpondo (millet). **collected:** October 2, 1987. **collector:** C. Nlandu, M. Anzolo. **collector id:** NNN 188. **locality:** Farmstore, Kabudi, 60km S of Gungu, Mudikalunga/Gungu District, Bandundu Province. **latitude:** 5 deg. 27 min. S. **longitude:** 18 deg. 47 min. E. **elevation:** 400-500m. **restricted:** QUAR. **remarks:** Planted February, harvested May. **received as:** P. typhoides. Primitive Cultivar. Seed.

PI 532739 to 532750-continued

PI 532747 donor id: IZ 1600760. origin: Zaire. local name: Mpondo. collected: October 2, 1987. collector: C. Nlandu, M. Anzolo. collector id: NNN 189. locality: Farmstore, Centre Agricole Mbamba, 60km N of Feshi, Collectivite Sungu/Masi District, Bandundu Province. latitude: 5 deg. 44 min. 4. longitude: 18 deg. 10 min. E. elevation: 400-500m. restricted: QUAR. remarks: Bambala, Bangongo, Kikongo language. Planted February, harvested end of March. received as: *P. typhoides*. Primitive Cultivar. Seed.

PI 532748 donor id: IZ 1600761. origin: Zaire. local name: Mpondo (millet). collected: October 3, 1987. collector: C. Nlandu, M. Anzolo. collector id: NNN 190. locality: Farmstore, Feshi, Feshi District, Bandundu Province. latitude: 6 deg. 8 min. S. longitude: 18 deg. 10 min. E. elevation: 500-600m. restricted: QUAR. remarks: Basonge, Basuku, Bapende tribes, Kikongo language. Planted January/February harvested July. received as: *P. typhoides*. Primitive Cultivar. Seed.

PI 532749 donor id: IZ 1600766. origin: Zaire. local name: Mpondo. collected: October 3, 1987. collector: C. Nlandu, M. Anzolo. collector id: NNN 195. locality: Farmstore, Mukoso, 142km S of Feshi, Feshi District, Bandundu Province. latitude: 6 deg. 22 min. S. longitude: 19 deg. 8 min. E. elevation: 500-600m. restricted: QUAR. remarks: Bosonge, Basuku tribes, Kikongo language. Planted January/February, harvested July. received as: *P. typhoides*. Primitive Cultivar. Seed.

PI 532750 donor id: IZ 1600771. origin: Zaire. local name: Mpondo. collected: October 4, 1987. collector: C. Nlandu, M. Anzolo. collector id: NNN 200. locality: Village market, Marche local de Kahemba, Bandundu Province. latitude: 7 deg. 18 min. S. longitude: 18 deg. 58 min. E. elevation: 1000-1200m. restricted: QUAR. remarks: Batshokwe tribe, Kikongo language. Planted January/February, harvested July. received as: *P. typhoides*. Primitive Cultivar. Seed.

PI 532751 to 532752. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

Donated by: Nlandu ne Nsaku, Citoyen, Institut de Recherche, Agronomique et Zootechnique (IRAZ), De La C.E.P.G.L., B.P. 91, Gitega, Burundi. remarks: Received through IBPGR, Rome, Italy. Received September 1988.

PI 532751 to 532752-continued

PI 532751 donor id: IZ 0100623. origin: Zaire. local name: Masambala. collected: August 30, 1987. collector: C. Nlandu. collector id: NNN 52. locality: Farmstore, backyard, Kimpangu, Gombe-Sud District, Bas-Zaire Province. latitude: 5 deg. 55 min. S. longitude: 15 deg. 00 min. E. elevation: 700- 800m. restricted: QUAR. remarks: Bazombo tribe, Kikongo language. Planted October, harvested August. Dongo Dongo (kindibu type). Originally from Angola. Primitive Cultivar. Seed.

PI 532752 donor id: IZ 0100659. origin: Zaire. local name: Masambala. collected: September 6, 1987. collector: C. Nlandu. collector id: NNN 88. locality: Backyard, Dispensaire Ntemo/Lukangu, 0.5km W of Mvuazi, Boko District, Bas-Zaire Province. latitude: 5 deg. 27 min. S. longitude: 14 deg. 52 min. E. elevation: 470m. restricted: QUAR. remarks: Bandibu tribe. Kikongo language. Planted March/September, harvested July/January. Primitive Cultivar. Seed.

PI 532753 to 532788. Zea mays L. POACEAE Corn

Donated by: Nlandu ne Nsaku, Citoyen, Institut de Recherche, Agronomique et Zootechnique (IRAZ), De La C.E.P.G.L., B.P. 91, Gitega, Burundi. remarks: Received through IBPGR, Rome, Italy. Received September 1988.

\* PI 532753 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700573. origin: Zaire. local name: Masangu. collected: August 28, 1987. collector: C. Nlandu. collector id: NNN 2. locality: Farmstore, Kindinga, 5km NE of Mvuazi (Kolo), Kuilu-Ngongo District, Bas Zaire Province. latitude: 5 deg. 27 min. S. longitude: 14 deg. 52 min. E. elevation: 400-500m. remarks: Bandibu tribe, Kikongo language. Planted March, harvested June. Primitive Cultivar. Seed.

\* PI 532754 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700574. origin: Zaire. local name: Masangu. collected: August 28, 1987. collector: C. Nlandu. collector id: NNN 3. locality: Farmstore, Kindinga, 5km NE of Mvuazi, Kuilu-Ngongo District, Bas Zaire Province. latitude: 5 deg. 27 min. S. longitude: 14 deg. 52 min. E. elevation: 400-500m. remarks: Ndibu tribe, Kikongo language. Planted March, harvested July. Primitive Cultivar. Seed.

- \* PI 532755 Zea mays L. subsp. mays POACEAE Corn  
**donor id:** IZ 1700577. **origin:** Zaire. **local name:**  
 Masangu. **collected:** August 28, 1987. **collector:** C.  
 Nlandu. **collector id:** NNN 6. **locality:** Farmstore,  
 Kinti, 8km NE of Mvuazi (Kolo), Kuilu-Ngongo District,  
 Bas Zaire Province. **latitude:** 5 deg. 27 min. S.  
**longitude:** 14 deg. 52 min. E. **elevation:** 400-500m.  
**remarks:** Bandibu tribe, Kikongo language. Planted March,  
 harvested June. Primitive Cultivar. Seed.
  
- \* PI 532756 Zea mays L. subsp. mays POACEAE Corn  
**donor id:** IZ 1700578. **origin:** Zaire. **local name:**  
 Masangu. **collected:** August 28, 1987. **collector:** C.  
 Nlandu. **collector id:** NNN 7. **locality:** Farmstore,  
 Kinti, 8km NE of Mvuazi (Kolo), Kuilu-Ngongo District,  
 Bas Zaire Province. **latitude:** 5 deg. 27 min. S.  
**longitude:** 14 deg. 52 min. E. **elevation:** 400-500m.  
**remarks:** Ndibu tribe, Kikongo language. Planted March,  
 harvested June. Primitive Cultivar. Seed.
  
- \* PI 532757 Zea mays L. subsp. mays POACEAE Corn  
**donor id:** IZ 1700579. **origin:** Zaire. **local name:**  
 Masangu. **collected:** August 28, 1987. **collector:** C.  
 Nlandu. **collector id:** NNN 8. **locality:** Farmstore,  
 Kinti, 8km NE of Mvuazi (Kolo), Kuilu-Ngongo District,  
 Bas-Zaire Province. **latitude:** 5 deg. 27 min. S.  
**longitude:** 14 deg. 52 min. E. **elevation:** 400-500m.  
**remarks:** Ndibu tribe, Kikongo language. Planted March,  
 harvested July. Primitive Cultivar. Seed.
  
- \* PI 532758 Zea mays L. subsp. mays POACEAE Corn  
**donor id:** IZ 1700580. **origin:** Zaire. **local name:**  
 Masangu. **collected:** August 28, 1987. **collector:** C.  
 Nlandu. **collector id:** NNN 9. **locality:** Farmstore,  
 Mongo-Mansongonia, 10km NE of Mvuazi (Kolo), Kuilu-Ngongo  
 District, Bas-Zaire Province. **latitude:** 5 deg. 27 min.  
 S. **longitude:** 14 deg. 52 min. E. **elevation:** 400-500m.  
**remarks:** Ndibu tribe, Kikongo language. Planted March,  
 harvested June. Primitive Cultivar. Seed.
  
- \* PI 532759 Zea mays L. subsp. mays POACEAE Corn  
**donor id:** IZ 1700594. **origin:** Zaire. **local name:**  
 Masangu. **collected:** August 29, 1987. **collector:** C.  
 Nlandu. **collector id:** NNN 23. **locality:** Farmstore,  
 Zenga, 2km NE of Mvuazi (Kolo), Boko District, Bas-Zaire  
 Province. **latitude:** 5 deg. 27 min. S. **longitude:** 14  
 deg. 52 min. E. **elevation:** 400-500m. **remarks:** Ndibu  
 tribe, Kikongo language. Planted March, harvested June.  
 Primitive Cultivar. Seed.



PI 532753 to 532788-continued

- \* PI 532760 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700599. origin: Zaire. local name:  
Masangu. collected: August 29, 1987. collector: C.  
Nlandu. collector id: NNN 28. locality: Farmstore,  
Zenga, 1 km NE of Mvuazi (Kolo), Boko District, Bas-Zaire  
Province. elevation: 400-500m. remarks: Ndibu tribe,  
Kikongo language. Primitive Cultivar. Seed.
  
- \* PI 532761 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700600. origin: Zaire. local name:  
Masangu. collected: August 29, 1987. collector: C.  
Nlandu. collector id: NNN 29. locality: Farmstore,  
Zenga, 1 km NE of Mvuazi, Boko District, Bas-Zaire  
Province. latitude: 5 deg. 27 min. S. longitude: 14  
deg. 52 min. E. elevation: 400-500m. remarks: Ndibu  
tribe, Kikongo language. Planted October/November,  
harvested December/January. Primitive Cultivar. Seed.
  
- \* PI 532762 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700602. origin: Zaire. local name:  
Masangu. collected: August 29, 1987. collector: C.  
Nlandu. collector id: NNN 31. locality: Farmstore,  
Kongo, 3km NE of Mvuazi (kolo), Boko District, Bas-Zaire  
Province. latitude: 5 deg. 27 min. S. longitude: 14  
deg. 52 min. E. elevation: 400-500m. remarks: Ndibu  
tribe, Kikongo language. Planted March, harvested August.  
Primitive Cultivar. Seed.
  
- \* PI 532763 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700608. origin: Zaire. local name:  
Masangu. collected: August 29, 1987. collector: C.  
Nlandu. collector id: NNN 37. locality: Mputu, 6km E of  
Mvuazi (Kolo), Boko District, Bas-Zaire Province.  
latitude: 5 deg. 27 min. S. longitude: 14 deg. 52 min.  
E. elevation: 400-500m. remarks: Bandibu tribe,  
Kikongo language, Planted March, harvested June.  
Primitive Cultivar. Seed.
  
- \* PI 532764 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700638. origin: Zaire. local name:  
Masangu. collected: September 1, 1987. collector: C.  
Nlandu. collector id: NNN 67. locality: Farmstore,  
Mbanza-Miole (Kikeba) Ntadi, 80km SE of Mbanza-Ngungu,  
Kivulu District, Bas-Zaire Province. latitude: 5 deg.  
27 min. S. longitude: 15 deg. 14 min. E. elevation:  
600-700m. remarks: Bandibu tribe, Kikongo language.  
Planted March, harvested June/July. Primitive Cultivar.  
Seed.

- \* PI 532765 Zea mays L. subsp. mays POACEAE Corn  
 donor id: IZ 1700642. origin: Zaire. local name:  
 Masangu. collected: September 2, 1987. collector: C.  
 Nlandu. collector id: NNN 71. locality: Farmstore,  
 Kiluangu (Ngongo), 70km SE of Mbanza-Ngungu, Kivulu  
 District, Bas-Zaire Province. latitude: 5 deg. 27 min.  
 S. longitude: 15 deg. 14 min. E. elevation: 600-650m.  
 remarks: Bandibu tribe, Kikongo language. Planted  
 November, harvested February. Primitive Cultivar. Seed.
- \* PI 532766 Zea mays L. subsp. mays POACEAE Corn  
 donor id: IZ 1700650. origin: Zaire. local name:  
 Masangu. collected: September 4, 1987. collector: C.  
 Nlandu. collector id: NNN 79. locality: Farmstore,  
 Nkanka Mawete, 43km S of Gombe Matadi, Ntimansi District,  
 Bas-Zaire Province. latitude: 5 deg. 11 min. S.  
 longitude: 14 deg. 33 min. E. elevation: 400-500m.  
 remarks: Besingombe tribe, Kikongo language. Planted  
 March, harvested June. Primitive Cultivar. Seed.
- \* PI 532767 Zea mays L. subsp. mays POACEAE Corn  
 donor id: IZ 1700656. origin: Zaire. local name:  
 Masangu. collected: September 4, 1987. collector: C.  
 Nlandu. collector id: NNN 85. locality: Farmstore,  
 Botongompalu Local Mazinga, 45km W of Gombe Matadi,  
 Ntimansi District, Bas-Zaire Province. latitude: 5 deg.  
 11 min. S. longitude: 14 deg. 33 min. E. elevation:  
 550m. remarks: Manianga Mangombe tribe, Kikongo  
 language. Planted October/November, harvested  
 February/March. Primitive Cultivar. Seed.
- \* PI 532768 Zea mays L. subsp. mays POACEAE Corn  
 donor id: IZ 1700665. origin: Zaire. local name:  
 Masangu. collected: September 8, 1987. collector: C.  
 Nlandu. collector id: NNN 94. locality: Farmstore,  
 Nlambazi, 67km N of Songololo, Bambomo District,  
 Bas-Zaire Province. latitude: 5 deg. 38 min. S.  
 longitude: 13 deg. 46 min. E. elevation: 400-450m.  
 remarks: Bamboma tribe, Kikongo language. Planted  
 October/November, harvested December/January. Primitive  
 Cultivar. Seed.
- \* PI 532769 Zea mays L. subsp. mays POACEAE Corn  
 donor id: IZ 1700672. origin: Zaire. local name:  
 Masangu. collected: September 8, 1987. collector: C.  
 Nlandu. collector id: NNN 101. locality: Farmstore,  
 Bete, 47km W of Songololo, Bamboma District, Bas-Zaire  
 Province. latitude: 5 deg. 33 min. S. longitude: 13  
 deg. 52 min. E. elevation: 400-500m. remarks: Manteke  
 tribe, Kikongo language. Planted November, harvested  
 January/February. Primitive Cultivar. Seed.

- \* PI 532770 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700676. origin: Zaire. local name:  
Masangu. collected: September 8, 1987. collector: C.  
Nlandu. collector id: NNN 105. locality: Farmstore,  
Buila (Ntala), 42km NW of Kimpese, Wombo/Songololo  
District, Bas-Zaire Province. latitude: 5 deg. 22 min.  
S. longitude: 14 deg. 12 min. E. elevation: 400m.  
remarks: Manianga Makasi tribe. Planted October/November,  
harvested January/February and March. Primitive  
Cultivar. Seed.
- \* PI 532771 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700678. origin: Zaire. local name:  
Masangu. collected: September 8, 1987. collector: C.  
Nlandu. collector id: NNN 107. locality: Farmstore,  
Kiwembo, 58km NW of Kimpese, Wombo District, Bas-Zaire  
Province. latitude: 5 deg. 22 min. S. longitude: 14  
deg. 12 min. E. elevation: 300-400m. remarks: Manianga  
Makasi tribe, Kikongo language. Planted November,  
harvested March. Primitive Cultivar. Seed.
- \* PI 532772 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700680. origin: Zaire. local name:  
Masangu. collected: September 9, 1987. collector: C.  
Nlandu. collector id: NNN 109. locality: Farmstore,  
Kinsezi, 4km N of Kinzavute, Bundi/Sekebenza District,  
Bas-Zaire Province. latitude: 5 deg. 22 min. S.  
longitude: 13 deg. 25 min. E. elevation: 500-600m.  
remarks: Besivungu tribe, Kikongo language. Planted  
October/November, harvested February. Primitive  
Cultivar. Seed.
- \* PI 532773 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700685. origin: Zaire. local name:  
Masangu. collected: September 10, 1987. collector: C.  
Nlandu. collector id: NNN 114. locality: Farmstore,  
Kinzazi-Yila, 3km from Sekebanza, Bundi District,  
Bas-Zaire Province. latitude: 5 deg. 22 min. S.  
longitude: 13 deg. 25 min. E. elevation: 500-600m.  
remarks: Bayombabaseke Banza tribe, Kikongo language.  
Planted October/November, harvested February. Primitive  
Cultivar. Seed.

- \* PI 532774 *Zea mays* L. subsp. *mays* POACEAE Corn  
donor id: IZ 1700686. origin: Zaire. local name:  
Masangu. collected: September 10, 1987. collector: C.  
Nlandu. collector id: NNN 115. locality: Farmstore,  
Kinzazi-Yila, 3km from Sekebanza, Bundi District,  
Bas-Zaire Province. latitude: 5 deg. 22 min. S.  
longitude: 13 deg. 25 min. E. elevation: 500-600m.  
remarks: Bayombebaseke Banza tribe, Kikongo language.  
Planted October/November, harvested February. Primitive  
Cultivar. Seed.
- \* PI 532775 *Zea mays* L. subsp. *mays* POACEAE Corn  
donor id: IZ 1700693. origin: Zaire. local name:  
Masangu. collected: September 20, 1987. collector: C.  
Nlandu, M. Anzolo. collector id: NNN 122. locality:  
Farmstore, Kikwit (Aux Environs), 10km S of Kikwit,  
Kipuka/Bulungu District, Bandundu Province. latitude: 4  
deg. 55 min. S. longitude: 18 deg. 55 min. E.  
elevation: 400-550m. remarks: Bambala tribe, Kikongo  
language. Planted October/November, harvested  
January/February. Bandundu (kwilu) type. Primitive  
Cultivar. Seed.
- \* PI 532776 *Zea mays* L. subsp. *mays* POACEAE Corn  
donor id: IZ 1700699. origin: Zaire. local name:  
Masangu (Masa). collected: September 21, 1987.  
collector: C. Nlandu, M. Anzolo. collector id: NNN 128.  
locality: Farmstore, Kiyaka, 65km S of Kikwit,  
Mungindu/Gungu District, Bandundu Province. latitude: 4  
deg. 44 min. S. longitude: 19 deg. 6 min. E.  
elevation: 755m. remarks: Bapende tribe, Kikongo  
(kimponde) language. Planted September/October, harvested  
January/February. Primitive Cultivar. Seed.
- \* PI 532777 *Zea mays* L. subsp. *mays* POACEAE Corn  
donor id: IZ 1700710. origin: Zaire. local name:  
Masangu. collected: September 25, 1987. collector: C.  
Nlandu, M. Anzolo. collector id: NNN 139. locality:  
Village market, Marche de Idiofa, Idiofa, Musanga/Idiofa  
District, Bandundu Province. latitude: 5 deg. 00 min.  
S. longitude: 19 deg. 33 min. E. elevation: 400-500m.  
remarks: Babunda tribe, Kikongo language. Planted  
October/November, harvested March/April. Primitive  
Cultivar. Seed.

- \* PI 532778 *Zea mays* L. subsp. *mays* POACEAE Corn  
donor id: IZ 1700711. origin: Zaire. local name:  
Masangu. collected: September 25, 1987. collector: C.  
Nlandu, M. Anzolo. collector id: NNN 140. locality:  
Village market, Marche de Idiofa, Musanga/Idiofa  
District, Bandundu Province. latitude: 5 deg. 00 min.  
S. longitude: 19 deg. 33 min. E. elevation: 400-500m.  
remarks: Badinga tribe, Kikongo language. Planted  
October/November, harvested February. Primitive  
Cultivar. Seed.
- \* PI 532779 *Zea mays* L. subsp. *mays* POACEAE Corn  
donor id: IZ 1700720. origin: Zaire. local name:  
Masangu. collected: September 25, 1987. collector: C.  
Nlandu, M. Anzolo. collector id: NNN 149. locality:  
Farmstore, Ingungu Kapia, 15km N of Idiofa, Musanga  
District, Bandundu Province. latitude: 4 deg. 50 min.  
S. longitude: 19 deg. 38 min. E. elevation: 400-500m.  
remarks: Bambunda tribe, Kikongo (kimbunda) language.  
Planted August/September, harvested December. Primitive  
Cultivar. Seed.
- \* PI 532780 *Zea mays* L. subsp. *mays* POACEAE Corn  
donor id: IZ 1700732. origin: Zaire. local name:  
Masangu. collected: September 27, 1987. collector: C.  
Nlandu, M. Anzolo. collector id: NNN 161. locality:  
Village market, Marche local de Gungu, Gungu/Zone Gungu  
District, Bandundu Province. latitude: 5 deg. 44 min.  
S. longitude: 19 deg. 22 min. E. elevation: 600-700m.  
remarks: Bambende tribe, Kikongo language. Planted  
September, harvested December. Kayila type. Primitive  
Cultivar. Seed.
- \* PI 532781 *Zea mays* L. subsp. *mays* POACEAE Corn  
donor id: IZ 1700733. origin: Zaire. local name: Masa  
(Masangu). collected: September 29, 1987. collector: C.  
Nlandu, M. Anzolo. collector id: NNN 162. locality:  
Farmstore, Langa, 25km N of Kikwit, Kipuka/Zone Bulungu  
District, Bandundu Province. latitude: 4 deg. 45 min.  
S. longitude: 18 deg. 43 min. E. elevation: 400-500m.  
remarks: Bambala tribe, Kimbala (Kikongo) language.  
Planted September, harvested December. Kayila type.  
Primitive Cultivar. Seed.

- \* PI 532782 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700734. origin: Zaire. local name: Masa.  
collected: September 29, 1987. collector: C. Nlandu, M.  
Anzolo. collector id: NNN 163. locality: Farmstore,  
Mbonga Masoka, 40km S of Bulungu, NKO/Zone Bulungu  
District, Bandundu Province. latitude: 4 deg. 43 min.  
S. longitude: 18 deg. 40 min. E. elevation: 400-500m.  
remarks: Bambala tribe, Kimbala language. Planted  
September, harvested April. Kiboti type. Primitive  
Cultivar. Seed.
- \* PI 532783 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700735. origin: Zaire. local name: Masa.  
collected: September 29, 1987. collector: C. Nlandu, M.  
Anzolo. collector id: NNN 164. locality: Farmstore,  
Mbonga Masoka, 40km S of Bulungu, NKO/Zone Bulungu,  
Bandundu Province. latitude: 4 deg. 43 min. S.  
longitude: 18 deg. 40 min. E. elevation: 400-500m.  
remarks: Bambala tribe, Kimbala language. Planted  
September, harvested April. Mungala type. Primitive  
Cultivar. Seed.
- \* PI 532784 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700742. origin: Zaire. local name: Masa.  
collected: September 30, 1987. collector: C. Nlandu, M.  
Anzolo. collector id: NNN 171. locality: Farmstore,  
Kalonda Village, 50km W of Masi-Manima, Kinzenga  
District, Bandundu Province. latitude: 4 deg. 41 min.  
S. longitude: 17 deg. 35 min. E. elevation: 400-500m.  
remarks: Bawunbana tribe, Kiwungana language. Planted  
September, harvested December. Kiwala type. Primitive  
Cultivar. Seed.
- \* PI 532785 Zea mays L. subsp. mays POACEAE Corn  
donor id: IZ 1700744. origin: Zaire. local name:  
Masango. collected: September 30, 1987. collector: C.  
Nlandu, M. Anzolo. collector id: NNN 173. locality:  
Farmstore, Misele, 60km W of Masi-Manima, Pelende  
Nord/zone Kenge, Bandundu Province. latitude: 4 deg. 45  
min. S. longitude: 17 deg. 27 min. E. elevation:  
400-500m. remarks: Bapelende tribe, Kikongo language.  
Planted September, harvested December. Bandundu 1 (kwilu  
1) type. Primitive Cultivar. Seed.

PI 532753 to 532788-continued

- \* PI 532786 *Zea mays* L. subsp. *mays* POACEAE Corn  
donor id: IZ 1700746. origin: Zaire. local name:  
Masango. collected: September 30, 1987. collector: C.  
Nlandu, M. Anzolo. collector id: NNN 175. locality:  
Farmstore, Misele, 57km W of Masi-Manima, Pelende Nord  
Kenge, Bandundu Province. latitude: 4 deg. 45 min. S.  
longitude: 17 deg. 27 min. E. elevation: 400-500m.  
remarks: Bapelende tribe, Kikongo language. Planted  
September, harvested December. Kasai 1 type. Primitive  
Cultivar. Seed.
  
- \* PI 532787 *Zea mays* L. subsp. *mays* POACEAE Corn  
donor id: IZ 1700749. origin: Zaire. local name:  
Masangu. collected: September 30, 1987. collector: C.  
Nlandu, M. Anzolo. collector id: NNN 178. locality:  
Farmstore, Kongomindanda, 75km W of Masi-Manima Pelende  
Nord/Kenge District, Bandundu Province. latitude: 4  
deg. 55 min. S. longitude: 17 deg. 16 min. E.  
elevation: 400-500m. remarks: Bapende tribe, Kikongo  
language. Planted September, harvested December. Kayila  
type. Primitive Cultivar. Seed.
  
- \* PI 532788 *Zea mays* L. subsp. *mays* POACEAE Corn  
donor id: IZ 1700764. origin: Zaire. local name:  
Masangu. collected: October 3, 1987. collector: C.  
Nlandu. collector id: NNN 193. locality: Farmstore,  
Project developement Feshi, Feshi, Feshi District,  
Bandundu Province. latitude: 6 deg. 8 min. S.  
longitude: 18 deg. 10 min. E. elevation: 500-600m.  
remarks: Bosonge Basuku tribe, Kikongo language. Planted  
September/October, harvested December. Kayila type.  
Primitive Cultivar. Seed.

PI 532789 to 532792. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Cotton Research Institute, 6200 Tchirpan, Bulgaria.  
Received March 17, 1989.

- PI 532789 donor id: No. 432. origin: Bulgaria. cultivar: BELI  
IZVOR. remarks: Maturity early. Cultivar. Seed.
  
- PI 532790 donor id: No. 442. origin: Bulgaria. cultivar: BALKAN.  
remarks: Maturity early. Cultivar. Seed.
  
- PI 532791 donor id: No. 644. origin: Bulgaria. cultivar: OGOSTA.  
remarks: Maturity early. Cultivar. Seed.
  
- PI 532792 donor id: No. 996. origin: Bulgaria. cultivar: GARANT.  
remarks: Maturity early. Cultivar. Seed.

PI 532793 to 532796. *Avena sativa* L. POACEAE Common oat

**Donated by:** Bonjean, A., Verneuil Semences, P.B. 3, 77390 Verneuil l'Etang, France. Received May 08, 1989.

PI 532793 **origin:** France. **cultivar:** ALFRED. Spring Annual.  
Cultivar. Seed.

PI 532794 **origin:** France. **cultivar:** AVESTA. Spring Annual.  
Cultivar. Seed.

PI 532795 **origin:** France. **cultivar:** CORY. Spring Annual.  
Cultivar. Seed.

PI 532796 **origin:** France. **cultivar:** SIRENE. Spring Annual.  
Cultivar. Seed.

PI 532797 to 532808. *Vigna unguiculata* (L.) Walp. subsp. *unguiculata*  
FABACEAE Cowpea

**Donated by:** Singh, B.B., Grain Legume Improvement Program, IITA, Ibadan, Nigeria. Received January 23, 1989.

PI 532797 **donor id:** IT81D-1228-14. **origin:** Nigeria. **remarks:**  
Vegetable type. Cultivated. Seed.

PI 532798 **donor id:** IT84E-116. **origin:** Nigeria. **remarks:**  
Vegetable type. Cultivated. Seed.

PI 532799 **donor id:** IT835-898. **origin:** Nigeria. **remarks:**  
Vegetable type. Cultivated. Seed.

PI 532800 **donor id:** IT835-899. **origin:** Nigeria. **remarks:**  
Vegetable type. Cultivated. Seed.

PI 532801 **donor id:** IT86D-2019-6. **origin:** Nigeria. **remarks:**  
Vegetable type. Cultivated. Seed.

PI 532802 **donor id:** IT86F-2014-1. **origin:** Nigeria. **remarks:**  
Vegetable type. Cultivated. Seed.

PI 532803 **donor id:** IT82D-889. **origin:** Nigeria. **remarks:** Maturity  
early. **disease resistance:** Virus. Cultivated. Seed.

PI 532804 **donor id:** IT83D-442. **origin:** Nigeria. **remarks:** Maturity  
early. **disease resistance:** Virus. Cultivated. Seed.

PI 532805 **donor id:** IT835-818. **origin:** Nigeria. **remarks:** Maturity  
early. **disease resistance:** Virus. Cultivated. Seed.

PI 532806 **donor id:** IT84E-124. **origin:** Nigeria. **remarks:** Maturity  
early. **disease resistance:** Virus. Cultivated. Seed.



PI 532797 to 532808-continued

PI 532807 **donor id:** IT86D-1010. **origin:** Nigeria. **remarks:**  
Maturity early. **disease resistance:** Virus. Cultivated.  
Seed.

PI 532808 **donor id:** IT85F-2687. **origin:** Nigeria. **remarks:**  
Maturity early. **disease resistance:** Virus. Cultivated.  
Seed.

PI 532809 to 532818. *Citrullus lanatus* (Thunb.) Matsum. & Nakai  
CUCURBITACEAE Watermelon

**Donated by:** Wei, D., Melon & Watermelon Research Dept., Pomology  
Institute, Shaanxi Academy of Agr. Sciences, Yang Ling, Shaanxi  
Province, Peoples Repub. of China. **remarks:** Received through M.  
Faust, Fruit Lab., USDA-ARS, Beltsville, Maryland. Received March  
20, 1989.

PI 532809 **origin:** China, Peoples Repub of. **cultivar:** AI SHENG.  
Cultivar. Seed.

PI 532810 **origin:** China, Peoples Repub of. **cultivar:** AI ZAO SHENG.  
Cultivar. Seed.

PI 532811 **origin:** China, Peoples Repub of. **cultivar:** HUA PI ZI  
GUA. **received as:** *C. lanatus* convar. megalaspermus.  
Cultivar. Seed.

PI 532812 **origin:** China, Peoples Repub of. **cultivar:** HUA XIAN HEI  
PI. Cultivar. Seed.

PI 532813 **origin:** China, Peoples Repub of. **cultivar:** LAN ZHOU HEI  
PI. Cultivar. Seed.

PI 532814 **origin:** China, Peoples Repub of. **cultivar:** LAN ZHOU HUA  
PI. Cultivar. Seed.

PI 532815 **origin:** China, Peoples Repub of. **cultivar:** SHI BA HONG.  
Cultivar. Seed.

PI 532816 **origin:** China, Peoples Repub of. **cultivar:** WU WEI HEI  
PI. Cultivar. Seed.

PI 532817 **origin:** China, Peoples Repub of. **cultivar:** ZHUANG LANG  
1. Cultivar. Seed.

PI 532818 **origin:** China, Peoples Repub of. **cultivar:** ZHUANG LANG  
2. Cultivar. Seed.

PI 532819 to 532821. *Citrullus lanatus* var. *citroides* (L. Bailey)  
Mansf. CUCURBITACEAE

**Donated by:** Wei, D., Melon & Watermelon Research Dept., Pomology Institute, Shaanxi Academy of Agr. Sciences, Yang Ling, Shaanxi Province, Peoples Repub. of China. **remarks:** Received through M. Faust, Fruit Lab., USDA-ARS, Beltsville, Maryland. Received March 20, 1989.

PI 532819 **origin:** China, Peoples Repub of. **cultivar:** SI LIAO XI GUA A. Cultivar. Seed.

PI 532820 **origin:** China, Peoples Repub of. **cultivar:** SI LIAO XI GUA B. Cultivar. Seed.

PI 532821 **origin:** China, Peoples Repub of. **cultivar:** SI LIAO XI GUA C. Cultivar. Seed.

PI 532822 to 532828. *Cucumis melo* L. CUCURBITACEAE Muskmelon

**Donated by:** Wei, D., Melon & Watermelon Research Dept., Pomology Institute, Shaanxi Academy of Agr. Sciences, Yang Ling, Shaanxi Province, Peoples Repub. of China. **remarks:** Received through M. Faust, Fruit Lab., USDA-ARS, Beltsville, Maryland. Received March 20, 1989.

PI 532822 **origin:** China, Peoples Repub of. **cultivar:** HEI PI MIAN GUA. **received as:** *Cucumis melo* var. *momordica*. Cultivar. Seed.

PI 532823 **origin:** China, Peoples Repub of. **cultivar:** LAN GUA. Cultivar. Seed.

PI 532824 **origin:** China, Peoples Repub of. **cultivar:** LAN TIAN 4. Cultivar. Seed.

PI 532825 **origin:** China, Peoples Repub of. **cultivar:** LAN TIAN 5. Cultivar. Seed.

PI 532826 **origin:** China, Peoples Repub of. **cultivar:** MA ZUI GUA. Cultivar. Seed.

PI 532827 **origin:** China, Peoples Repub of. **cultivar:** TIE DAN ZI. Cultivar. Seed.

PI 532828 **origin:** China, Peoples Repub of. **cultivar:** ZUI XIAN. Cultivar. Seed.

PI 532829. *Cucumis melo* var. *agrestis* Naud. CUCURBITACEAE

**Donated by:** Wei, D., Melon & Watermelon Research Dept., Pomology Institute, Shaanxi Academy of Agr. Sciences, Yang Ling, Shaanxi Province, Peoples Repub. of China. **remarks:** Received through M. Faust, Fruit Lab., USDA-ARS, Beltsville, Maryland. Received March 20, 1989.

**origin:** China, Peoples Repub of. **cultivar:** GOU GUA.  
Cultivar. Seed.

PI 532830. *Cucumis melo* subsp. *conomon* (Thunb.) Greb. CUCURBITACEAE

**Donated by:** Wei, D., Melon & Watermelon Research Dept., Pomology Institute, Shaanxi Academy of Agr. Sciences, Yang Ling, Shaanxi Province, Peoples Repub. of China. **remarks:** Received through M. Faust, Fruit Lab., USDA-ARS, Beltsville, Maryland. Received March 20, 1989.

**origin:** China, Peoples Repub of. **cultivar:** SHI DAO XIAN.  
Cultivar. Seed.

PI 532831. *Cucumis melo* var. *dudaim* (L.) Naudin CUCURBITACEAE

**Donated by:** Wei, D., Melon & Watermelon Research Dept., Pomology Institute, Shaanxi Academy of Agr. Sciences, Yang Ling, Shaanxi Province, Peoples Repub. of China. **remarks:** Received through M. Faust, Fruit Lab., USDA-ARS, Beltsville, Maryland. Received March 20, 1989.

**origin:** China, Peoples Repub of. **cultivar:** WEN GUA.  
Cultivar. Seed.

PI 532832. *Cucumis melo* var. *microspermus* (Nakai) Kitam. CUCURBITACEAE

**Donated by:** Wei, D., Melon & Watermelon Research Dept., Pomology Institute, Shaanxi Academy of Agr. Sciences, Yang Ling, Shaanxi Province, Peoples Repub. of China. **remarks:** Received through M. Faust, Fruit Lab., USDA-ARS, Beltsville, Maryland. Received March 20, 1989.

**origin:** China, Peoples Repub of. **cultivar:** JIN TA SHI.  
Cultivar. Seed.

Scientific Name Cross Reference

Abelmoschus esculentus	532621	532821	
Agropyron cristatum	531533-531540	Coriandrum sativum	531293-531296
Agropyron desertorum	531541	Crotalaria sp.	532620,532622-532623
Agropyron fragile	531542	Cucumis africanus	532660-532662
Agropyron mongolicum	531543	Cucumis anguria	532625-532626,532671
Agropyron scabrifolium	531544-531547	Cucumis dipsaceus	532336
Agropyron vaillantianum	531548-531552	Cucumis melo	531297-531307,531527-531532,532153-532158,532822-532828
Agrostis gigantea	527690,531250	Cucumis melo subsp. conomon	532830
Agrostis stolonifera	531251	Cucumis melo var. agrestis	532829
Allium cepa	531171-531172	Cucumis melo var. dudaim	532831
Alysicarpus vaginalis	531076	Cucumis melo var. microspermus	532832
Amaranthus sp.	527567,527570-527571,532151-532152	Cucumis metuliferus	527568
Arachis hypogaea		Cucumis myriocarpus	532627-532628
subsp. fastigiata	531500	Cucumis sativus	531308-531314,532159-532163,532519-532525
Arachis hypogaea		Cucumis sp.	532673
subsp. hypogaea	531499	Cucumis zeyheri	532629-532635
Asparagus davuricus	527706	Cucurbita argyrosperma	532337-532340
Australopyrum retrofractum	531553	Cucurbita ficifolia	532341-532349
Avena sativa	527933,531187,532793-532796	Cucurbita foetidissima	532350-532353
Beta vulgaris	531252-531266	Cucurbita fraterna	532354-532356
Bothriochloa ischaemum	531200-531223	Cucurbita lundelliana	532357-532362
Bothriochloa sp.	531224-531227	Cucurbita martinezii	532363-532372
Brassica juncea	531267-531271	Cucurbita moschata	532373-532384
Brassica juncea var. longidens	531272	Cucurbita pepo	531315-531320,532385-532389
Brassica napus	531273-531288	Cucurbita pepo subsp. pepo	531321-531323
Bromus inermis	531501	Cucurbita radicans	532390
Calendula arvensis	531289	Cucurbita scabridifolia	532391-532392
Carthamus tinctorius	527710,532619	Cucurbita sororia	532393-532411
Carum carvi	531290	Cucurbita sp.	532714-532738
Cayaponia racemosa	532331	Cyclanthera langaei	532412
Cicer echinospermum	527930-527932	Cyclanthera sp.	532413
Cicer reticulatum	527934	Cynodon dactylon	531090
Cichorium intybus	531291-531292		
Cionosicyos excisus	532332-532333		
Cionosicyos macranthus	532334-532335		
Citrullus ecirrhosus	532663		
Citrullus lanatus	532624,532659,532664-532670,532809-532818		
Citrullus lanatus			
var. citroides	532819-		

Danthonia sp.	527709	.531650	
Daucus carota	531324-531330	Elymus praeruptus	531651-
Dieterlea fusiformis	532414-532415	531652	
Echinopepon racemosus	532416	Elymus retusus	531653
Elymus abolinii	531554-531557	Elymus scabriglumis	531654
Elymus arizonicus	531558	Elymus scabrus	531655-531658
Elymus atratus	531559-531560	Elymus scribneri	531659
Elymus bakeri	531561	Elymus semicostatus	531660-
Elymus breviaristatus	531563	531663	
Elymus canadensis	531564-531569	Elymus semicostatus	
Elymus caninus	531570-531571	subsp. foliosus	531664
Elymus caucasicus	531572-531573	Elymus sibiricus	531665-531675
Elymus ciliaris	531574-531577	Elymus sierrus	531676
Elymus coreanus	531578	Elymus stenostachyus	531677
Elymus curvatus	531579-531580	Elymus strictus	531678-531683
Elymus dahuricus	531581-531590	Elymus submuticus	531684
Elymus dahuricus		Elymus tenuis	531685
subsp. dahuricus	531591-531593	Elymus thoroldianus	531686
Elymus dahuricus		Elymus tilcarensis	531687
subsp. excelsus	531594-531598	Elymus trachycaulus	531688-
Elymus dentatus	531599	531692	
Elymus donianus	531600	Elymus transbaicalensis	531693
Elymus drobovii	531601	Elymus tschimganicus	531694-
Elymus elymoides	531602-531606	531695	
Elymus fedtschenkoi	531607-531608	Elymus tsukushiensis	531696-
Elymus fibrosus	531609	531702	
Elymus glaucus	531610-531612	Elymus villosus	531703
Elymus gmelinii	531613	Elymus virginicus	531704-
Elymus grandiglumis	531614	531707	
Elymus hystrix	531615-531616	Elymus wiegandii	531708
Elymus interruptus	531617	Elytrigia alata	531709
Elymus kengii	531618-531620	Elytrigia batalinii	531562
Elymus kokonoricus	531621	Elytrigia bessarabica	531710-
Elymus komarovii	531622	531712	
Elymus lanceolatus	531623-531630	Elytrigia caespitosa	531713-
Elymus laxiflorus	531631	531716	
Elymus longearistatus		Elytrigia elongata	531717-
subsp. canaliculatus	531632	531719	
Elymus macrourus	531633	Elytrigia geniculata	
Elymus magellanicus	531634	subsp. ferganensis	531720
Elymus multiflorus	531635	Elytrigia intermedia	531721-
Elymus mutabilis	531636-531638	531726	
Elymus mutabilis		Elytrigia juncea	531727-531729
subsp. mutabilis	531639	Elytrigia junceiformis	531730-
Elymus mutabilis var. oschensis	531640-531642	531732	
Elymus nutans	531643-531645	Elytrigia nodosa	531733-531736
Elymus panormitanus	531646	Elytrigia pontica	531737-
Elymus parishii	531647	531739	
Elymus pendulinus	531648-	Elytrigia pungens	531740
		Elytrigia pycnantha	531741-
		531744	
		Elytrigia rechingeri	531745
		Elytrigia repens	531746-531748
		Elytrigia scirpea	531749-
		531750	
		Elytrigia sp.	531756
		Elytrigia stipifolia	531751

<i>Elytrigia strigosa</i>	531752-531753	<i>Gossypium laxum</i>	530974-530975
<i>Elytrigia strigosa</i>		<i>Gossypium lobatum</i>	530959-530962
subsp. <i>aegilopoides</i>	531754-531755	<i>Gossypium longicalyx</i>	530986-530988
<i>Eruca sativa</i>	531331-531332	<i>Gossypium mustelinum</i>	530735-530741
<i>Festuca arundinacea</i>	531230	<i>Gossypium nelsonii</i>	530763-530764
<i>Foeniculum vulgare</i>	531333-531337	<i>Gossypium populifolium</i>	530762
<i>Glycine max</i>	527701-527704, 531068, 531519-531520, 532434-532448, 532454-532474	<i>Gossypium raimondii</i>	530898-530953
<i>Glycine soja</i>	532449-532453	<i>Gossypium robinsonii</i>	530756-530759
<i>Gossypium anomalum</i>	530742-530744	<i>Gossypium somalense</i>	530979-530981
<i>Gossypium arboreum</i>	529704-529806	<i>Gossypium stocksii</i>	530976-530978
<i>Gossypium areysianum</i>	530982	<i>Gossypium sturtianum</i>	530748-530751
<i>Gossypium aridum</i>	530886-530897, 531006	<i>Gossypium sturtianum</i>	
<i>Gossypium armourianum</i>	530801-530805	var. <i>nandewarensense</i>	530752-530755
<i>Gossypium australe</i>	530760-530761	<i>Gossypium thurberi</i>	530765-530798
<i>Gossypium barbadense</i>	527985-528417, 528432, 528498, 528503, 528523, 528579-528581, 528678, 528825, 528986, 529161-529162, 529532-529533, 529551	<i>Gossypium tomentosum</i>	530707-530734
<i>Gossypium bickii</i>	530989-530992	<i>Gossypium trilobum</i>	530963-530973
<i>Gossypium capitis-viridis</i>	530747	<i>Gossypium triphyllum</i>	530745-530746
<i>Gossypium davidsonii</i>	530809-530825	<i>Gossypium turneri</i>	530799-530800
<i>Gossypium gossypoides</i>	530954-530958	<i>Helianthus annuus</i>	531009-531036, 531069-531075, 531338-531395, 531502-531503
<i>Gossypium harknessii</i>	530806-530808	<i>Helianthus cusickii</i>	531037-531040
<i>Gossypium herbaceum</i>	529642-529658, 529660-529664, 529667, 529669-529672, 529674, 529677, 529679-529703, 532171-532173	<i>Helianthus maximiliani</i>	531041-531042
<i>Gossypium hirsutum</i>	528418-528431, 528433-528497, 528499-528502, 528504-528522, 528524-528578, 528582-528677, 528679-528824, 528826-528985, 528987-529160, 529163-529531, 529534-529550, 529552-529641, 529659, 529665-529666, 529668, 529673, 529675-529676, 529678, 529807-530706, 531007-531008, 532789-532792	<i>Helianthus nuttallii</i>	
<i>Gossypium incanum</i>	530983-530985	subsp. <i>nuttallii</i>	531043-531054
<i>Gossypium klotzschianum</i>	530826-530885	<i>Helianthus petiolaris</i>	
		subsp. <i>petiolaris</i>	531055-531058
		<i>Helianthus pumilus</i>	531059
		<i>Helianthus rigidus</i>	
		subsp. <i>subrhomboideus</i>	531060
		<i>Hordelymus europaeus</i>	531757-531759
		<i>Hordeum bogdanii</i>	531760-531762
		<i>Hordeum brachyantherum</i>	531763-531767
		<i>Hordeum brevisubulatum</i>	531768-531771

Hordeum brevisubulatum		Leymus salinus	
subsp. nevskianum	531772	subsp. mojavensis	531818
Hordeum brevisubulatum		Leymus secalinus	531819-531820
subsp. turkestanicum	531773	Leymus triticoides	531821-
Hordeum brevisubulatum		531822	
subsp. violaceum	531774-	Lolium perenne	531091,531229
531775		Medicago sativa	527687-527689,
Hordeum bulbosum	531776-531777	531092,531504-531506	
Hordeum californicum	531778-	Melothria pendula	532418
531779		Melothria sp.	532419
Hordeum capense	531780	Melothria trilobata	532420
Hordeum chilense	531781	Nicotiana tabacum	531521-
Hordeum jubatum	531782	531523	
Hordeum lechleri	531783-531784	Ocimum basilicum	531396
Hordeum muticum	531785	Oryza sativa	527566,527707
Hordeum parodii	531786	Panicum miliaceum	531397-
Hordeum procerum	531787	531431	
Hordeum roshevitzii	531788	Paspalum notatum var. saurae	
Hordeum secalinum	531789-	531086	
531790		Passiflora mollissima	532421
Hordeum spontaneum	531851-	Pastinaca sativa	531432-531433
531861		Pennisetum glaucum	532174-
Hordeum stenostachys	531791-	532179,532526-532540,532572-	
531793		532575,532674,532739-532750	
Hordeum vulgare	527966-527972,	Pennisetum macrourum	532641
531061-531067,531228,531249,		Pennisetum pedicellatum	532541-
531836-531850,531863-532046		532549,532576-532579,532709-	
Ibervillea millspaughii	532417	532711	
Indigofera hirsuta	531077-	Pennisetum polystachion	532550-
531078		532555	
Ipomoea batatas	531093-531133,	Pennisetum polystachion	
531135-531170		subsp. atrichum	532642-
Ipomoea obscura	530993	532644	
Ipomoea sp.	531134	Pennisetum purpureum	531087,
Ipomoea tiliacea	530994-530996	532180,532645-532650	
Ipomoea triloba	530997-531002	Pennisetum ramosum	532556-
Ipomoea wrightii	531003	532558	
Lablab purpureus	532164-532170,	Pennisetum sieberianum	532675-
532636-532640		532694	
Lablab purpureus		Pennisetum thunbergii	532651
subsp. uncinatus	532672	Pennisetum unisetum	532652
Lens culinaris	527935-527946	Pennisetum violaceum	532559-
Leymus akmolinsis	531794	532563,532580-532618,532695-	
Leymus ambiguus	531795-531796	532708	
Leymus angustus	531797-531798	Peponopsis adhaerens	532422
Leymus arenarius	531799-531802	Phalaris arundinacea	531088-
Leymus chinensis	531803	531089	
Leymus condensatus	531804	Phaseolus coccineus	527629-
Leymus innovatus	531805	527630	
Leymus multicaulis	531806-	Phaseolus hybrid	527828-527878
531807		Phaseolus lunatus	527569
Leymus paboanus	531808	Phaseolus vulgaris	527507-
Leymus pseudoracemosus	531809-	527540,527572-527575,527631-	
531810		527674,527684-527685,527705,	
Leymus racemosus	531811-531812	527708,527711-527827,527949-	
Leymus sabulosus	531813-531814	527965,531235,531862	
Leymus salinus	531815-531817	Pisum fulvum	531199

Poa pratensis	527692-527693, 531525-531526	527565,527576-527579,527675
Polyclathra sp.	532423-532428	Vigna unguiculata
Psathyrostachys huachanica	531823	subsp. unguiculata
Psathyrostachys juncea	531824- 531828	532797- 532808
Raphanus sativus	527683	Zea mays
Saccharum hybrid	531524	532308-532330
Schizocarpum sp.	532429-532431	Zea mays subsp. mays
Secale montanum	531829-531835	527699- 527700,531079-531085,531232- 531234,531458-531498,531509- 531518,532753-532788
Sechiopsis triquetra	532432	
Sesamum indicum	531236-531241	
Setaria italica	531434-531447	
Sicana odorifera	532433	
Solanum alandiae	527883	
Solanum berthaultii	527884	
Solanum cardiophyllum	527894	
Solanum hybrid	527885	
Solanum sp.	527886-527890	
Solanum tarijense	527891, 527984	
Solanum tuberosum	527879- 527882,527893,527895-527929, 527973-527981	
Solanum tuberosum		
subsp. andigena	527982	
Solanum vernei	527983	
Solanum x edinense	527892	
Sorghum arundinaceum	532564- 532568,532712	
Sorghum bicolor	527541-527557, 527580-527628,527676-527681, 531231,532181-532235,532653- 532657,532713,532751-532752	
Sorghum purpureosericeum	532569-532571	
Sorghum versicolor	532658	
Spinacia oleracea	531448- 531457	
Trifolium incarnatum	527691	
Trifolium pratense	531507- 531508	
Triticum aestivum	527682, 527694-527698,531004-531005, 531173-531186,531188-531197, 531242-531248,532047-532150, 532236-532298	
Triticum carthlicum	532475- 532518	
Triticum turgidum	532299- 532307	
Vicia sp.	527947-527948	
Vigna angularis		
var. nipponensis	527686	
Vigna caracalla	531198	
Vigna unguiculata	527558-	



Common Name Cross Reference

Alfalfa	527687-527689, 531092, 531504-531506	Garden rocket	531331-531332
Altai wildrye	531797-531798	Hairy wildrye	531703
Alyceclover	531076	Indigo	531077-531078
Barley	527966-527972, 531061- 531067, 531228, 531249, 531836- 531861, 531863-532046	Intermediate wheatgrass	531721- 531726
Basil	531396	Kentucky bluegrass	527692- 527693, 531525-531526
Beardless wildrye	531821- 531822	Lablab bean	532164-532170, 532636-532640
Bermudagrass	531090	Lentil	527935-527946
Blue wildrye	531610-531612	Lima bean	527569
Bromegrass	531501	Mammoth wildrye	531811-531812
Brown mustard	531267-531271	Maximilian sunflower	531041- 531042
Buffalo gourd	532350-532353	Mountain rye	531829-531835
Bulbous barley	531776-531777	Muskmelon	532822-532828
Canada wildrye	531564-531569	Navy bean	531235
Caraway	531290	Nuttall's sunflower	531043- 531054
Carrot	531324-531330	Okra	532621
Cassasanana	532433	Onion	531171-531172
Chicory	531291-531292	Parsnip	531432-531433
Common oat	527933, 531187, 532793-532796	Parsnip-root sunflower	531037- 531040
Common wheat	527682, 527694- 527698, 531004-531005, 531173- 531186, 531188-531197, 531242- 531248, 532047-532150, 532236- 532298	Peanut	531499-531500
Coriander	531293-531296	Pearl millet	532174-532179, 532572-532575, 532674, 532739- 532750
Corn	527699-527700, 531081- 531085, 531232-531234, 531458- 531498, 531509-531518, 532308- 532330, 532753-532788	Perennial ryegrass	531091, 531229
Cotton	532789-532792	Popcorn	531079-531080
Cowpea	527576-527579, 532797- 532808	Potato	527879-527882, 527897- 527929, 527973-527984
Crimson clover	527691	Poulard wheat	532299-532307
Cucumber	531308-531314, 532159- 532163, 532519-532525	Proso millet	531397-531431
Dwarf sunflower	531059	Radish	527683
Elephant grass	531087, 532180, 532645-532650	Rape	531273-531288
European dunegrass	531799- 531802	Red clover	531507-531508
Fairway crested wheatgrass	531533-531540	Redtop	527690
Fennel	531333-531337	Reed canarygrass	531088-531089
Figleaf gourd	532341-532349	Rice	527566, 527707
Foxtail barley	531782	Russian wildrye	531824-531828
Foxtail millet	531434-531447	Safflower	527709-527710, 532619
Garden bean	527507-527540, 527572-527575, 527631-527674, 527684-527685, 527705, 527708, 527711-527827, 527949-527965, 531862	Scarlet runner bean	527629- 527630
		Sesame	531236-531241
		Slender wheatgrass	531688- 531692
		Sorghum	527541-527557, 527580- 527628, 527676-527681, 531231, 532181-532235, 532653-532658, 532713, 532751-532752
		Soybean	527701-527704, 531068, 531519-531520, 532434-532474
		Spinach	531448-531457

Squash	532385-532389
Squirreltail	531602-531606
Stiff sunflower	531060
Sugarbeet	531252-531266
Sugarcane	531524
Summer squash	532373-532384
Sunflower	531009-531036, 531069- 531075, 531338-531395, 531502- 531503
Sweet potato	531093-531133, 531135-531170
Tall fescue	531230
Tall wheatgrass	531717-531719
Teasel gourd	532336
Tobacco	531521-531523
Upland cotton	529807-529931, 529933-530706, 531007-531008
Virginia wildrye	531704-531707
Watermelon	532624, 532659, 532664-532670, 532809-532818
West Indian gherkin	532625- 532626, 532671
Wheatgrass	531727-531729
Wildrye	531665-531675
Wildrye grass	531815-531817
Yard long bean	527558-527565
Yellow bluestem	531200-531223

## Acronyms

For space conservation and consistency in identifying locations, the following acronyms have been used in Plant Inventory 198:

- CENARGEN** - Centro Nacional de Recursos Geneticos (Brazil)
- CYMMYT** - Centro Internacional de Mejoramiento de Maiz y Trigo (Mexico)
- CSIRO** - Commonwealth Scientific and Industrial Research Organization (Australia)
- EMBRAPA** - Empresa Brasileira de Pesquisas Agropecuarias (Brazil)
- FAO** - Food and Agriculture Organization of the United Nations
- IBPGR** - International Board for Plant Genetic Resources
- IRCT** - Institut de recherches du coton et des textiles exotiques (France)
- ORSTOM** - Office de la recherche scientifique et technique d'outre mer (France)
- USDA-ARS** - U.S. Department of Agriculture - Agricultural Research Service
- USDA-SCS** - U.S. Department of Agriculture - National Plant Materials Center
- VIR** - N.I. Vavilov Institute of Plant Industry (Soviet Union)