Plant Inventory
No. 195

Plant Material Introduced
June 1 to December 31, 1986
(Nos. 503486 to 506218)
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June 1 to December 31, 1986
(Nos. 503486 to 506218)
Plant Inventory No. 195 is a historical record of accessioned plant germplasm; it is not a listing of plant material for distribution. Questions about data organization and proper plant identification in this inventory should be directed to the authors.

Thanks are expressed to the following persons associated with the Plant Introduction Office for their contributions to Plant Inventory No. 195: L.G. Garner and R.A. Norris for continued excellence in handling all aspects of the computer system operation; V. Binstock for taxonomic review of the manuscript. Assistance by J. Mowder, Database Management Unit, with software and hardware problems is appreciated. Services performed by the University of Maryland were provided through a cooperative agreement.

This inventory is the first to be generated through the national database known as the Germplasm Resources Information Network (GRIN).

Sharon Stern, 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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ARS has no additional copies for free distribution.
PI 503486 to 503506. Hordeum vulgare L. POACEAE Barley

Donated by Gymer, P.T., Joseph Nickerson Research Centre, Nickerson RPB Limited, Rothwell, Lincoln, United Kingdom. Received April 1986.


PI 503486 to 503506-continued


PI 503507 to 503512. Zea mays L. POACEAE Field corn


PI 503507 to 503512—continued


PI 503513 to 503515. Lycopersicon hirsutum Humb. & Bonpl.  SOLANACEAE

Donated by Rick, C.M., Department of Vegetable Crops, University of California, Davis, California, United States. Received through M. Holle - F. Delgado de la Flor collections of 1984. Received May 1986.


PI 503516. Lycopersicon pennellii (Correll) D'Arcy  SOLANACEAE

Donated by Rick, C.M., Department of Vegetable Crops, University of California, Davis, California, United States. Received through M. Holle - F. Delgado de la Flor collections of 1984. Received May 1986.


PI 503517 to 503524. Lycopersicon pimpinellifolium (L.) Miller  SOLANACEAE  Currant tomato

Donated by Rick, C.M., Department of Vegetable Crops, University of California, Davis, California, United States. Received through M. Holle - F. Delgado de la Flor collections of 1984. Received May 1986.

PI 503517 to 503524-continued


PI 503525 to 503526.  Coffea arabica L.  RUBIACEAE  Coffee

Donated by Central Coffee Research Institute, Coffee Research Station, P.O. 577 117, Karnataka, Chikmagalur District, India.  Received May 1986.


PI 503527 to 503529. Avena nuda L. POACEAE Naked oat

Donated by Marshall, H.G., USDA-ARS, Department of Agronomy, Pennsylvania State University, University Park, Pennsylvania, United States. Received June 1986.


PI 503530. Crataegus mollis (Torrey & A. Gray) Scheele ROSACEAE Downy hawthorn

Donated by Bismarck Plant Materials Center, USDA-SCS, P.O. Box 1458, Bismarck, North Dakota, United States. Received through National Plant Materials Center, USDA-SCS, Beltsville, Maryland Received May 1986.
PI 503530 continued

PI 503530  
donor id: T 5731.  
origin: Canada.  
other id: ND-20.  
other id: Mich-1229.  
locality: Canada Agricultural Research Station, Morden, Manitoba.  
remarks: Maturity early. Useful as windbreak and ornamental. Adapted to North and South Dakota, eastern Wyoming, Montana and Minnesota, on rich bottomlands and rocky hillsides. Wild.  
Seed.

PI 503531. Gleditsia triacanthos L. CAESALPINIACEAE Honeylocust

Donated by Bismarck Plant Materials Center, USDA-SCS, P.O. Box 1458, Bismarck, North Dakota, United States. Received through National Plant Materials Center, USDA-SCS, Beltsville, Maryland. Received May 1986.

PI 503531  
donor id: T 11850.  
origin: United States.  
other id: ND-1879.  
other id: MDN-10435.  
locality: Southern Great Plains Field Station, Woodward, Oklahoma.  
remarks: Plants thornless. Resistant to cold in North Dakota. Useful as windbreak. Adapted to South Dakota, Southern Minnesota and Zone 4 of North Dakota, in moist, well-drained bottomland.  
cold tolerance: Resistant to cold.  
drought tolerance: Resistant to drought.  
salt tolerance: Tolerant to salt.  
Wild.  
Plant.

PI 503532 to 503546. Cynara scolymus L. ASTERACEAE Artichoke

Donated by Perrino, P., Istituto del Germoplasma, Via Amendola, 165/A, 70126 Bari, Italy. Received May 1986.

PI 503532  
origin: Italy.  
cultivar: Baycampasa.  
Cultivar.  
Seed.

PI 503533  
origin: Italy.  
cultivar: Catanese.  
Cultivar.  
Seed.

PI 503534  
origin: Italy.  
cultivar: EB 5 - EB 9.  
Cultivar.  
Seed.

PI 503535  
origin: Italy.  
cultivar: Green globe thornless-green globe.  
Cultivar.  
Seed.

PI 503536  
origin: Italy.  
cultivar: Locale di Cuneo.  
Cultivar.  
Seed.

PI 503537  
origin: Italy.  
cultivar: Mazzaferrata di Termoli - Ogni Mese.  
Cultivar.  
Seed.

PI 503538  
origin: Italy.  
cultivar: Mazzaferrata di Toscana.  
Cultivar.  
Seed.

PI 503539  
origin: Italy.  
cultivar: Pasquaiolo - Testa di Ferro.  
Cultivar.  
Seed.
PI 503532 to 503546-continued

PI 503540 origin: Italy. cultivar: Romanesco. Cultivar. Seed.
PI 503542 origin: Italy. cultivar: Spinoso sardo. Cultivar. Seed.
PI 503544 origin: Italy. cultivar: Verde di Pesaro. Cultivar. Seed.
PI 503546 origin: Italy. cultivar: Violetto. Cultivar. Seed.

PI 503547. Avena sativa L. POACEAE Common oat

Donated by McMullen, M.S., Agronomy Department, North Dakota State University, Fargo, North Dakota, United States. Received May 1986.


PI 503548 to 503550. Medicago sativa subsp. viscosa (Reichb.) Gunn FABACEAE

Donated by VIR, Leningrad, USSR. Received March 1986.

PI 503548 donor id: VIR 27723. origin: Soviet Union. locality: Herson region, USSR. Seed.
PI 503549 donor id: VIR 35676. origin: Soviet Union. locality: Krasnodar Territory, USSR. Seed.
PI 503550 donor id: VIR 41985. origin: Soviet Union. locality: Daghestan ASSR. Seed.

PI 503551 to 503552. Triticum aestivum L. POACEAE Common wheat

Donated by Konzak, C.F., Department of Agronomy & Soils, Washington State University, Pullman, Washington, United States. Received June 1986.
PI 503551 to 503552-continued

PI 503551  
donor id: Burt M860 Line c.  
origin: United States.  
pedigree: Mutant of Burt, CI 12696 induced by gamma radiation.  

PI 503552  
donor id: Karcag 522 M7K.  
origin: United States.  
pedigree: Mutant of Karcag, induced by gamma radiation.  

PI 503553 to 503555. Triticum durum Desf.  
POACEAE  Durum wheat

Donated by  
Konzak, C.F., Department of Agronomy & Soils, Washington State University, Pullman, Washington, United States. Received June 1986.

PI 503553  
donor id: Vic SD1 Line b.  
origin: United States.  
pedigree: Selection from mutagen-treated Vic.  
remarks: Height reduced. Cultivated. Seed.

PI 503554  
donor id: Z83251-4.  
origin: United States.  
pedigree: Vic Brown Chaff Mutant/Vic SD1.  
remarks: Height reduced. Cultivated. Seed.

PI 503555  
origin: Italy.  
cultivar: Icaro.  
pedigree: Mutagen-induced mutant semi-dwarf form cv Anhinga.  
remarks: Height reduced. Cultivated. Seed.

PI 503556 to 503558. Arachis hypogaea L.  
FABACEAE  Peanut

Donated by  
Peanut Research Institute, Shan Dong Province, Lai Xi County, Peoples Republic of China. Received May 1986.

PI 503556  
origin: China, Peoples Repub of.  
cultivar: Dong Ming chi.  

PI 503557  
origin: China, Peoples Repub of.  
remarks: Rough skin peanut (Ma Pe). Cultivated. Seed.

PI 503558  
origin: China, Peoples Repub of.  
cultivar: Xing Tai Si Yin Zi. Cultivated. Seed.

PI 503559 to 503577. Zea mays L.  
POACEAE  Field corn

Donated by  


PI 503572  donor id: GN8485A.  origin: Mexico.  other id: A-4606.  
other id: Z14-005.  locality: Farm, El Seis.  latitude: 29 deg. 05 min. N.  longitude: 108 deg. 22 min. W.  


PI 503574  donor id: MD8491.  origin: Mexico.  local name: Chapalote.  other id: A-4595.  other id: Z02-008.  locality: F.U. Cruz farm, near Rio Fuerte, Capomas, Sinaloa.  

PI 503575  donor id: MD8503.  origin: Mexico.  local name: Ocho de Carrera.  other id: A-4605.  other id: Z26-001.  locality: Farm, El Fuerte, Capomas, Sinaloa.  


PI 503578. Triticum boeoticum Boiss. POACEAE Wild einkorn

Donated by Waines, J.G., Department of Plant Sciences, University of California, Riverside, California, United States. Selection from the B.L. Johnson collection. Received June 1986.

PI 503578  donor id: G 2539. origin: Iran. locality: Northwest, 47km of Shahabad. elevation: 1500m. Primitive Cultivar. Seed.

PI 503579 to 503580. Brassica pekinensis (Lour.) Rupr. BRASSICACEAE Chinese cabbage

Donated by Ahn, W.S., Rural Development Administration, Ministry of Agriculture & Fishery, 250 Seodun Dong, Suweon, Korea. Received through G.A. White, Germplasm Introduction and Evaluation Laboratory, USDA-ARS, Beltsville, Maryland. Received June 1986.

PI 503579 origin: Korea, Republic of. remarks: Female parent of Sambok, known as 60 days. Cultivated. Seed.

PI 503580 origin: Korea, Republic of. remarks: Male parent of Sambok, known as TFFL. Cultivated. Seed.

PI 503581. Capsicum annuum L. SOLANACEAE Pimiento

Donated by Ahn, W.S., Rural Development Administration, Ministry of Agriculture & Fishery, 250 Seodun Dong, Suweon, Korea. Received through G.A. White, Germplasm Introduction and Evaluation Laboratory, USDA-ARS, Beltsville, Maryland. Received June 1986.


PI 503582. Salvia officinalis L. LAMIACEAE Garden sage

Donated by Kisgeci, J., Faculty of Agriculture Novi Sad, Institute of Field and Vegetable Crops, 21000 Novi Sad, M. Gorkog 30, Yugoslavia. Received July 1986.


PI 503583 to 503593. Cichorium endivia var. crispum Lam. ASTERACEAE Endive

Donated by Institut fur Zuchtungforschung, Quedlinburg, German Democratic Republic. Received April 1986.

PI 503583 donor id: CICH 14/77. origin: German Democratic Repub. cultivar: Agidi - Salat. Cultivated. Seed.
PI 503583 to 503593-continued

PI 503584  donor id: CICH 1/76.  origin: German Democratic Repub.  

PI 503585  donor id: CICH 9/81.  origin: German Democratic Repub.  

PI 503586  donor id: CICH 16/75.  origin: German Democratic Repub.  
cultivar: Imperial.  Cultivar.  Seed.

PI 503587  donor id: CICH 30/81.  origin: German Democratic Repub.  
cultivar: Indivia Riccia Grossa di Pancaliari.  
Cultivated.  Seed.

PI 503588  donor id: CICH 23/77.  origin: Italy.  cultivar: Italien  

PI 503589  donor id: CICH 11/77.  origin: German Democratic Repub.  

PI 503590  donor id: CICH 12/76.  origin: German Democratic Repub.  

PI 503591  donor id: CICH 26/78.  origin: German Democratic Repub.  

PI 503592  donor id: CICH 13/78.  origin: German Democratic Repub.  

PI 503593  donor id: CICH 27/80.  origin: Spain.  cultivar: Spanien  

PI 503594 to 503600.  Cichorium endivia var. latifolium Lam.  ASTERACEAE  
Escarolle

Donated by  Institut fur Zuchtungforschung, Quedlinburg, German  
Democratic Republic.  Received April 1986.

PI 503594  donor id: CICH 34/78.  origin: German Democratic Repub.  

PI 503595  donor id: CICH 31/78.  origin: German Democratic Repub.  

PI 503596  donor id: CICH 33/75.  origin: German Democratic Repub.  

PI 503597  donor id: CICH 42/76.  origin: German Democratic Repub.  

PI 503598  donor id: CICH 32/75.  origin: German Democratic Repub.  
PI 503594 to 503600-continued


PI 503601. Cichorium intybus L. ASTERACEAE Chicory

Donated by Institut fur Zuchtungforschung, Quedlinburg, German Democratic Republic. Received April 1986.

PI 503601 origin: German Democratic Repub. cultivar: Pegasus. Cultivar. Seed.

PI 503602 to 503643. Lactuca sativa L. ASTERACEAE Lettuce

Donated by Institut fur Zuchtungforschung, Quedlinburg, German Democratic Republic. Received April 1986.


PI 503609 origin: German Democratic Repub. cultivar: Divalo. remarks: Butterhead type. Cultivar. Seed.
PI 503610  origin: German Democratic Repub.  
cultivar: Dua.  

PI 503611  donor id: LAC 89/74.  
origin: German Democratic Repub.  
cultivar: Frühlingsgruss.  

PI 503612  donor id: LAC 7/74.  
origin: German Democratic Repub.  
cultivar: Furchtenichts.  

PI 503613  donor id: LAC 69/73.  
origin: German Democratic Repub.  
cultivar: Gigant.  

PI 503614  donor id: LAC 90/74.  
origin: German Democratic Repub.  
cultivar: Gravitas.  

PI 503615  donor id: LAC 94/79.  
origin: German Democratic Repub.  
cultivar: Hilmar.  

PI 503616  donor id: LAC 95/79.  
origin: German Democratic Repub.  
cultivar: Hitzkopf.  

PI 503617  donor id: LAC 96/74.  
origin: German Democratic Repub.  
cultivar: Hoffmanns Aurora.  

PI 503618  donor id: LAC 99/74.  
origin: German Democratic Repub.  
cultivar: Kison.  

PI 503619  donor id: LAC 37/73.  
origin: German Democratic Repub.  
cultivar: Krauser Treib.  

PI 503620  origin: German Democratic Repub.  
cultivar: Laresta.  

PI 503621  origin: German Democratic Repub.  
cultivar: Mona.  

PI 503622  origin: German Democratic Repub.  
cultivar: Muck.  

PI 503623  origin: German Democratic Repub.  
cultivar: Pirat.  
<table>
<thead>
<tr>
<th>PI</th>
<th>donor id</th>
<th>origin</th>
<th>cultivar</th>
<th>remarks</th>
<th>type</th>
<th>Seed</th>
</tr>
</thead>
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<tr>
<td>503625</td>
<td>LAC 13/74</td>
<td>German Democratic Repub.</td>
<td>Prinz v. Loewenstein.</td>
<td>Leaf type.</td>
<td>Cultivar.</td>
<td>Seed</td>
</tr>
<tr>
<td>503626</td>
<td>LAC 42/74</td>
<td>German Democratic Repub.</td>
<td>Quedlinburg Dickkopf.</td>
<td>Butterhead type.</td>
<td>Cultivar.</td>
<td>Seed</td>
</tr>
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<td>503627</td>
<td>LAC 43/74</td>
<td>German Democratic Repub.</td>
<td>Quedlinburg Durana.</td>
<td>Butterhead type.</td>
<td>Cultivar.</td>
<td>Seed</td>
</tr>
<tr>
<td>503628</td>
<td>LAC 135/74</td>
<td>German Democratic Repub.</td>
<td>Ramses.</td>
<td>Romaine type.</td>
<td>Cultivar.</td>
<td>Seed</td>
</tr>
<tr>
<td>503629</td>
<td>LAC 135/74</td>
<td>German Democratic Repub.</td>
<td>Ramses.</td>
<td>Butterhead type.</td>
<td>Cultivar.</td>
<td>Seed</td>
</tr>
<tr>
<td>503630</td>
<td>LAC 137/74</td>
<td>German Democratic Repub.</td>
<td>Rheingold.</td>
<td>Butterhead type.</td>
<td>Cultivar.</td>
<td>Seed</td>
</tr>
<tr>
<td>503631</td>
<td></td>
<td>German Democratic Repub.</td>
<td>Start.</td>
<td>Butterhead type.</td>
<td>Cultivar.</td>
<td>Seed</td>
</tr>
<tr>
<td>503632</td>
<td>LAC 64/73</td>
<td>German Democratic Repub.</td>
<td>Tempo.</td>
<td>Butterhead type.</td>
<td>Cultivar.</td>
<td>Seed</td>
</tr>
<tr>
<td>503633</td>
<td></td>
<td>German Democratic Repub.</td>
<td>Verna.</td>
<td>Butterhead type.</td>
<td>Cultivar.</td>
<td>Seed</td>
</tr>
<tr>
<td>503634</td>
<td>LAC 19/74</td>
<td>German Democratic Repub.</td>
<td>Victoria.</td>
<td>Butterhead type.</td>
<td>Cultivar.</td>
<td>Seed</td>
</tr>
<tr>
<td>503635</td>
<td></td>
<td>German Democratic Repub.</td>
<td>Winter Butterkopf.</td>
<td>Butterhead type.</td>
<td>Cultivar.</td>
<td>Seed</td>
</tr>
</tbody>
</table>
PI 503602 to 503643-continued


PI 503644. Avena sativa L. POACEAE Common oat

Donated by Marshall, H.G., USDA-ARS, Department of Agronomy, Pennsylvania State University, University Park, Pennsylvania, United States. Received June 1986.

PI 503645 to 503864. Zea mays L. POACEAE Field corn

Donated by Sevilla P., R., Programa Cooperativo De Investigaciones en Maiz, Universidad Nacional Agraria, La Molina, Lima, Peru. Received June 1986.

          Seed.

          Seed.

          Seed.

          Seed.

          Seed.

          Seed.

          Seed.

          Seed.

          Seed.

          Seed.

PI 503727  donor id: Lambayeque 40.  origin: Peru.  Cultivated.
          Seed.

PI 503728  donor id: Lambayeque 42.  origin: Peru.  Cultivated.
          Seed.

PI 503729  donor id: Lambayeque 43.  origin: Peru.  Cultivated.
          Seed.

PI 503730  donor id: Lambayeque 44.  origin: Peru.  Cultivated.
          Seed.

PI 503731  donor id: Lambayeque 45.  origin: Peru.  Cultivated.
          Seed.

          Seed.

          Seed.
| PI 503745 | donor id: Lambayeque 64. origin: Peru. Cultivated. Seed. |
| PI 503751 | **donor id**: Lambayeque 76. **origin**: Peru. Cultivated. Seed. |
| PI 503752 | **donor id**: Lambayeque 79. **origin**: Peru. Cultivated. Seed. |
| PI 503753 | **donor id**: Lambayeque 81. **origin**: Peru. Cultivated. Seed. |
| PI 503754 | **donor id**: Lambayeque 83. **origin**: Peru. Cultivated. Seed. |
| PI 503755 | **donor id**: Lambayeque 84. **origin**: Peru. Cultivated. Seed. |
| PI 503756 | **donor id**: Lambayeque 85. **origin**: Peru. Cultivated. Seed. |
| PI 503757 | **donor id**: Lambayeque 86. **origin**: Peru. Cultivated. Seed. |
| PI 503758 | **donor id**: Lambayeque 89. **origin**: Peru. Cultivated. Seed. |
| PI 503759 | **donor id**: Lambayeque 92. **origin**: Peru. Cultivated. Seed. |
| PI 503760 | **donor id**: Lambayeque 95. **origin**: Peru. Cultivated. Seed. |
| PI 503761 | **donor id**: Lambayeque 96. **origin**: Peru. Cultivated. Seed. |
| PI 503762 | **donor id**: Lambayeque 97. **origin**: Peru. Cultivated. Seed. |
| PI 503763 | **donor id**: Lambayeque 100. **origin**: Peru. Cultivated. Seed. |
| PI 503764 | **donor id**: Lambayeque 103. **origin**: Peru. Cultivated. Seed. |
| PI 503765 | **donor id**: Lambayeque 104. **origin**: Peru. Cultivated. Seed. |
| PI 503766 | **donor id**: Lambayeque 105. **origin**: Peru. Cultivated. Seed. |
PI 503645 to 503864—continued

            Seed.
            Seed.
PI 503770  donor id: Lambayeque 111.  origin: Peru.  Cultivated.
            Seed.
            Seed.
            Seed.
            Seed.
            Seed.
PI 503775  donor id: Lambayeque 118.  origin: Peru.  Cultivated.
            Seed.
            Seed.
PI 503777  donor id: Lambayeque 120.  origin: Peru.  Cultivated.
            Seed.
            Seed.
            Seed.
            Seed.
PI 503781  donor id: Lambayeque 133.  origin: Peru.  Cultivated.
            Seed.
            Seed.
            Seed.
PI 503784  donor id: Lambayeque 137.  origin: Peru.  Cultivated.
            Seed.
PI 503645 to 503864-continued

PI 503645 to 503864-continued

PI 503645 to 503864—continued


29
PI 503865. Anthyllis vulneraria L. FABACEAE

Donated by Attila Szabo, T., Institutul Agronomic, Gradina Agrobotanica, Str. Manastur 3, Clug-Napoca, Romania. Received June 1986.

PI 503865 donor id: AV-F1-85;SZTA. origin: Romania. locality: Sincrai. Seed.

PI 503866. Astragalus cicer L. FABACEAE Cicer milkvetch

Donated by Attila Szabo, T., Institutul Agronomic, Gradina Agrobotanica, Str. Manastur 3, Clug-Napoca, Romania. Received June 1986.


PI 503867. Medicago sativa nsubsp. varia (Martyn) Arcang. FABACEAE

Donated by Attila Szabo, T., Institutul Agronomic, Gradina Agrobotanica, Str. Manastur 3, Clug-Napoca, Romania. Received June 1986.

PI 503867 origin: Romania. locality: Murighiol. Seed.

PI 503868. Melilotus alba Medikus FABACEAE White sweetclover

Donated by Attila Szabo, T., Institutul Agronomic, Gradina Agrobotanica, Str. Manastur 3, Clug-Napoca, Romania. Received June 1986.


PI 503869. Melilotus officinalis Lam. FABACEAE Yellow sweetclover

Donated by Attila Szabo, T., Institutul Agronomic, Gradina Agrobotanica, Str. Manastur 3, Clug-Napoca, Romania. Received June 1986.
PI 503869-continued


PI 503870. Trifolium arvense L.  FABACEAE  Rabbit-foot clover

Donated by Attila Szabo, T., Institutul Agronomic, Gradina Agrobotanica, Str. Manastur 3, Clug-Napoca, Romania.  Received June 1986.


PI 503871. Miscanthus nepalensis (Trin.) Hackel  POACEAE  Nepal silver grass

Donated by Lehmkuhl, J., Grass Land Ecology Project, Kathmandu, Nepal.  Received July 1986.


PI 503872. Lycopersicon lycopersicum (L.) Karsten  SOLANACEAE  Tomato

Donated by Division of Plant & Seed Control, Private Bag X179, Pretoria 0001, South Africa.  Received June 1986.


PI 503873. Carica papaya L.  CARICACEAE  Papaya

Donated by Brinsbury, W., 15 Gibson Place, Howick, Auckland, New Zealand.  Received June 1986.


PI 503874. Triticum monococcum L.  POACEAE  Einkorn

Donated by Small Grain Centre, Grain Crops Research Institute, Private Bag X29, Bethlehem, 9700, South Africa.  Received July 1986.
PI 503874-continued


PI 503875 to 503876.  Triticum hybrid  POACEAE

Donated by Small Grain Centre, Grain Crops Research Institute, Private Bag X29, Bethlehem, 9700, South Africa.  Received July 1986.


PI 503877 to 503878.  Triticum aestivum L.  POACEAE  Common wheat

Donated by Small Grain Centre, Grain Crops Research Institute, Private Bag X29, Bethlehem, 9700, South Africa.  Received July 1986.


PI 503879.  Fagopyrum esculentum Moench  POLYGONACEAE  Buckwheat

Donated by Bonsall, W., Scatterseed Project, P.O. Box 1167, Farmington, Maine, United States.  Received July 1986.


PI 503880.  Hordeum vulgare L.  POACEAE  Barley

Donated by Metcalfe, D.R., Research Station - De Recherche, Agriculture Canada, 195 Dafoe Road, Winnipeg, Manitoba R3T 2M9, Canada.  Received June 1986.
PI 503880-continued

PI 503880  donor id: TR212.  origin: Canada.  cultivar: Ellice.  
pedigree:  
CI5791/Parkland//Betzes/3/Betzes/Piroline/4/Akka/5/ D D D  
D Centennial/6/Klages/7/Cambrinus/Tern.  remarks: Plants  
medium tall, 2-row type. Maturity medium. Awns rough.  
Seeds white, amber. Resistant to lodging and shattering.  
Yield good. Malting quality good. Disease resistance.  
Spring Annual.  Cultivar.  Seed.

PI 503881 to 504169.  Zea mays L.  POACEAE  Field corn  

Donated by CIMMYT, Mexico, D.F., Mexico.  Received through Pioneer  
Hi-Bred International, Inc., Dept. of Corn Breeding, Homestead, FL.  
Received July 1986.

PI 503886  donor id: Brasil Mezcla 3078.  origin: Brazil.  
Cultivated.  Seed.
PI 503887  donor id: Brazil 2339.  origin: Brazil.  Cultivated.  
Seed.
PI 503888  donor id: Brazil 2771.  origin: Brazil.  Cultivated.  
Seed.
PI 503889  donor id: Brazil 2823.  origin: Brazil.  Cultivated.  
Seed.
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PI 503881 to 504169-continued

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PI 503992 donor id: Brazil 3054. origin: Brazil. Cultivated.
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PI 504000  donor id: Brazil 3158.  origin: Brazil.  Cultivated.  
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PI 504002  donor id: Brazil 430.  origin: Brazil.  Cultivated.  
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PI 504003  donor id: Capitein.  origin: UNKNOWN.  Cultivated.  Seed.

PI 504004  donor id: Cateto SS.  origin: UNKNOWN.  Cultivated.  
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PI 504005  donor id: Cauca 343.  origin: Colombia.  Cultivated.  
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PI 504006  donor id: Cauca 390.  origin: Colombia.  Cultivated.  
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PI 504007  donor id: Coahuila 25.  origin: UNKNOWN.  Cultivated.  
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PI 504008  donor id: Coahuila 32.  origin: Mexico.  Cultivated.  
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PI 504009  donor id: Coahuila 81.  origin: Mexico.  Cultivated.  
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PI 504010  donor id: Com.Vandeno Precoz.  origin: UNKNOWN.  
Cultivated.  Seed.

PI 504011  donor id: Comp. Salvadore.  origin: El Salvador.  
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PI 504012  donor id: Compuesto Blanc.  origin: UNKNOWN.  Cultivated.  
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PI 503881 to 504169-continued

PI 504014  donor id: Compuesto Comit. origin: UNKNOWN. Cultivated. Seed.
PI 504015  donor id: Compuesto Harin. origin: UNKNOWN. Cultivated. Seed.
PI 504022  donor id: Compuesto Pauli. origin: UNKNOWN. Cultivated. Seed.
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PI 504025  donor id: Corn Belt Compo. origin: UNKNOWN. Cultivated. Seed.
PI 504036  donor id: Cristal B P.  origin: UNKNOWN.  Cultivated.  Seed.
PI 504049  donor id: Cupurico.  origin: UNKNOWN.  Cultivated.  Seed.
PI 503881 to 504169-continued


PI 503881 to 504169-continued

PI 504068  donor id: Guatemala 123. origin: Guatemala. Cultivated.
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PI 504073  donor id: Guatemala 159. origin: Guatemala. Cultivated.
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PI 504097  donor id: Guatemala 74. origin: Guatemala. Cultivated.
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seed.
seed.
PI 503881 to 504169-continued


PI 504127  donor id: Mix 1. origin: UNKNOWN. Cultivated. Seed.


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PI 504170 to 504181. Beta vulgaris L. CHENOPODIACEAE Beet


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<th>Collector</th>
<th>Collector ID</th>
<th>Locality</th>
<th>Remarks</th>
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PI 504182 to 504285.  Beta vulgaris subsp. maritima (L.) Arcang.  CHENOPODIACEAE


PI 504193  
**donor id:** WB 513.  
**origin:** Italy.  
**local name:** Wild beet.  
**collected:** July 04, 1985.  
**collector:** D.L. Doney & J.S. McFarlane.  
**collector id:** WB 513.  
**locality:** Plants growing in full sun, in coarse droughty sand and cobbles, by cliffs overlooking sea, 300m N of Capa Colonna, Calabria.  
**latitude:** 39 deg. 15 min. N.  
**longitude:** 17 deg. 12 min. E.  
**elevation:** 3m.  
**remarks:** Dry season.  
**disease resistance:** Disease resistant.  
**drought tolerance:** Drought tolerant.  
**salt tolerance:** Salt tolerant.  
**Annual. Wild. Seed.**

PI 504194  
**donor id:** WB 514.  
**origin:** Italy.  
**local name:** Wild beet.  
**collected:** July 04, 1985.  
**collector:** D.L. Doney & J.S. McFarlane.  
**collector id:** WB 514.  
**locality:** Plants growing in full sun, in coarse dry sand and cobbles, by cliffs overlooking sea, 300m N of Capa Colonna, Calabria.  
**latitude:** 39 deg. 15 min. N.  
**longitude:** 17 deg. 12 min. E.  
**elevation:** 3m.  
**remarks:** Dry season. Single plant collection type. Three very small and prostrate plants.  
**disease resistance:** Disease resistant.  
**drought tolerance:** Drought tolerant.  
**salt tolerance:** Salt tolerant.  
**Annual. Wild. Seed.**

PI 504195  
**donor id:** WB 515.  
**origin:** Italy.  
**local name:** Wild beet.  
**collected:** July 04, 1985.  
**collector:** D.L. Doney & J.S. McFarlane.  
**collector id:** WB 515.  
**locality:** Plants growing in full sun, in coarse dry sand and cobbles, by cliffs overlooking sea, 300m N of Capa Colonna, Calabria.  
**latitude:** 39 deg. 15 min. N.  
**longitude:** 17 deg. 12 min. E.  
**elevation:** 3m.  
**remarks:** Dry season. Single plant collection type. Three to five tall, erect, early plants. Seed clusters on some were compact at end of branch.  
**disease resistance:** Disease resistant.  
**drought tolerance:** Drought tolerant.  
**salt tolerance:** Salt tolerant.  
**Annual. Wild. Seed.**

PI 504196  
**donor id:** WB 516.  
**origin:** Italy.  
**local name:** Wild beet.  
**collected:** July 04, 1985.  
**collector:** D.L. Doney & J.S. McFarlane.  
**collector id:** WB 516.  
**locality:** Plants growing in full sun, in coarse dry sand and cobbles, by cliffs overlooking sea, 150m E of Capa Rizzuto, Calabria.  
**latitude:** 38 deg. 53 min. N.  
**longitude:** 17 deg. 05 min. E.  
**elevation:** 3m.  
**remarks:** Dry season. Bulk collection.  
**disease resistance:** Disease resistant.  
**drought tolerance:** Drought tolerant.  
**salt tolerance:** Salt tolerant.  
**Annual. Wild. Seed.**


PI 504182 to 504285-continued


PI 504227  
**donor id:** WB 555. **origin:** Italy. **local name:** Wild beet. 
**collected:** July 15, 1985. **collector:** D.L. Doney & J.S. McFarlane. **collector id:** WB 555. **locality:** Plants growing in direct sun, on a northern slope, in very coarse desert sand and cobbles, in rocky area above beach, 1000m W of Argentiera, Sassari, Sardinia. 
**latitude:** 40 deg. 38 min. N. **longitude:** 08 deg. 10 min. E. **elevation:** 5m. **remarks:** Dry season. Bulk collection. Two types. **drought tolerance:** Drought tolerant. **salt tolerance:** Salt tolerant. Annual. Wild. Seed.

PI 504228  
**donor id:** WB 556. **origin:** Italy. **local name:** Wild beet. 
**collected:** July 15, 1985. **collector:** D.L. Doney & J.S. McFarlane. **collector id:** WB 556. **locality:** Plants growing in full sun, on a southern slope 75m above sea, in dry cobbles and rocks, 700m SW of Tramanalia, Sassari, Sardinia. 
**latitude:** 40 deg. 34 min. N. **longitude:** 08 deg. 10 min. E. **elevation:** 80m. **remarks:** Dry season. Bulk collection. Leaves very leathery. Very windy area. **drought tolerance:** Drought tolerant. **salt tolerance:** Salt tolerant. Annual. Wild. Seed.

PI 504229  
**donor id:** WB 557. **origin:** Italy. **local name:** Wild beet. 
**collected:** July 15, 1985. **collector:** D.L. Doney & J.S. McFarlane. **collector id:** WB 557. **locality:** Plants growing on roadside in full sun, in very dry, very coarse sand and gravel, 200m W of Torre Pelosa, Sassari, Sardinia. 
**latitude:** 40 deg. 57 min. N. **longitude:** 08 deg. 12 min. E. **elevation:** 10m. **remarks:** Dry season. Bulk collection. Some red and green seeded plants. **drought tolerance:** Drought tolerant. **salt tolerance:** Salt tolerant. Annual. Wild. Seed.

PI 504230  
**donor id:** WB 558. **origin:** Italy. **local name:** Wild beet. 
**collected:** July 15, 1985. **collector:** D.L. Doney & J.S. McFarlane. **collector id:** WB 558. **locality:** Plants growing on side of road in partial sun, in very coarse dry sand and gravel, 200m SW of Torre Pelosa, Sassari, Sardinia. 
**latitude:** 40 deg. 57 min. N. **longitude:** 08 deg. 12 min. E. **elevation:** 10m. **remarks:** Dry season. Bulk collection of one plant. **drought tolerance:** Drought tolerant. **salt tolerance:** Salt tolerant. Annual. Wild. Seed.
PI 504231  
**donor id:** WB 559.  
**origin:** Italy.  
**local name:** Wild beet.  
**collected:** July 15, 1985.  
**collector:** D.L. Doney & J.S. McFarlane.  
**collector id:** WB 559.  
**locality:** Plants growing in full sun near beach, in coarse dry desert sand and fine gravel, 100m E of S. Gavino a Mare, Sassari, Sardinia.  
**latitude:** 40 deg. 50 min. N.  
**longitude:** 08 deg. 24 min. E.  
**elevation:** 10m.  
**remarks:** Dry season. Bulk collection. Occurs in patches of about 10 sq. m.  
**drought tolerance:** Drought tolerant.  
**salt tolerance:** Salt tolerant.  
Annual.  
Wild.  
Seed.  

PI 504232  
**donor id:** WB 560.  
**origin:** Italy.  
**local name:** Wild beet.  
**collected:** July 15, 1985.  
**collector:** D.L. Doney & J.S. McFarlane.  
**collector id:** WB 560.  
**locality:** Plants growing on side of road and up hill in full sun, in fine dry gravel, 300m SW of Castelsardo, Sassari, Sardinia.  
**latitude:** 40 deg. 55 min. N.  
**longitude:** 08 deg. 43 min. E.  
**elevation:** 10m.  
**remarks:** Dry season. Bulk collection. Some variation in growth habit, color, and leaf shape.  
**drought tolerance:** Drought tolerant.  
Annual.  
Wild.  
Seed.  

PI 504233  
**donor id:** WB 561.  
**origin:** Italy.  
**local name:** Wild beet.  
**collected:** July 15, 1985.  
**collector:** D.L. Doney & J.S. McFarlane.  
**collector id:** WB 561.  
**locality:** Plants growing on side of mountain overlooking Castel Doria Lake, in full sun, in dry cobbles, 200m S of Castel Doria, Sassari, Sardinia.  
**latitude:** 40 deg. 54 min. N.  
**longitude:** 08 deg. 52 min. E.  
**elevation:** 170m.  
**remarks:** Dry season. Bulk collection.  
**drought tolerance:** Drought tolerant.  
Annual.  
Wild.  
Seed.  

PI 504234  
**donor id:** WB 562.  
**origin:** Italy.  
**local name:** Wild beet.  
**collected:** July 16, 1985.  
**collector:** D.L. Doney & J.S. McFarlane.  
**collector id:** WB 562.  
**locality:** Plants growing in full sun, in fine dry sand on beach, Calla di Sassari, Sassari, Sardinia.  
**latitude:** 41 deg. 00 min. N.  
**longitude:** 09 deg. 36 min. E.  
**elevation:** 3m.  
**remarks:** Dry season. Bulk collection.  
**drought tolerance:** Drought tolerant.  
**salt tolerance:** Salt tolerant.  
Annual.  
Wild.  
Seed.  

PI 504235  
**donor id:** WB 563.  
**origin:** Italy.  
**local name:** Wild beet.  
**collected:** July 16, 1985.  
**collector:** D.L. Doney & J.S. McFarlane.  
**collector id:** WB 563.  
**locality:** Plants growing in full sun, in fine damp sand on beach near stagnant water, Calla di Sassari, Sassari, Sardinia.  
**latitude:** 41 deg. 09 min. N.  
**longitude:** 09 deg. 22 min. E.  
**elevation:** 3m.  
**remarks:** Dry season. Bulk collection of one plant. Very large and erect.  
**salt tolerance:** Salt tolerant.  
Annual.  
Wild.  
Seed.
PI 504236  
donor id: WB 564.  
origin: Italy.  
local name: Wild beet.  
collected: July 16, 1985.  
collector id: WB 564.  
locality: Plants growing in partial and full sun on a southern slope by beach, in fine dry sand, 200m E of Porto Pozzo, Sassari, Sardinia.  
latitude: 41 deg. 10 min.  
longitude: 09 deg. 16 min.  
elevation: 2m.  
remarks: Dry season.  
Bulk collection. Large population. Mostly erect with large seed.  
drought tolerance: Drought tolerant.  
salt tolerance: Salt tolerant.  
Annual.  
Wild.  
Seed.

PI 504237  
donor id: WB 565.  
origin: Italy.  
local name: Wild beet.  
collected: July 16, 1985.  
collector id: WB 565.  
locality: Plants growing in full sun, in coarse dry sand and fine gravel, 1500m SW of Santa Teresa, Sassari, Sardinia.  
latitude: 41 deg. 13 min.  
longitude: 09 deg. 10 min.  
elevation: 10m.  
remarks: Dry season.  
Bulk collection. Isolated population. Growing near ice plant.  
drought tolerance: Drought tolerant.  
salt tolerance: Salt tolerant.  
Annual.  
Wild.  
Seed.

PI 504238  
donor id: WB 567.  
origin: Italy.  
local name: Wild beet.  
collected: July 16, 1985.  
collector id: WB 567.  
locality: Plants growing in full sun, in dry cobbles and rock by the sea, Isola Rossa, Sassari, Sardinia.  
latitude: 41 deg. 00 min.  
longitude: 08 deg. 52 min.  
elevation: 5m.  
remarks: Dry season.  
Bulk collection.  
drought tolerance: Drought tolerant.  
salt tolerance: Salt tolerant.  
Annual.  
Wild.  
Seed.

PI 504239  
donor id: WB 568.  
origin: Italy.  
local name: Wild beet.  
collected: July 17, 1985.  
collector id: WB 568.  
locality: Plants growing in full and partial sun around buildings on experiment station, in damp clay, Oristano, Sardinia.  
latitude: 39 deg. 51 min.  
longitude: 08 deg. 35 min.  
elevation: 50m.  
remarks: Dry season.  
Bulk collection. May be outcrossed to B. vulgaris.  
Annual.  
Wild.  
Seed.

PI 504240  
donor id: WB 569.  
origin: Italy.  
local name: Wild beet.  
collected: July 17, 1985.  
collector id: WB 569.  
locality: Plants growing in full sun, in dry clay, neutral, 2000m W of S. Vero Mills, Oristano, Sardinia.  
latitude: 35 deg. 55 min.  
longitude: 08 deg. 32 min.  
elevation: 15m.  
remarks: Dry season.  
Bulk collection.  
Annual.  
Wild.  
Seed.


PI 504246  donor id: WB 576.  origin: Italy.  local name: Wild beet.  
collector id: WB 576.  locality: Plants growing on experimental farm in full sun, in dry silt, 3000m E of Ussana, Cagliari, Sardinia.  latitude: 39 deg. 20 min. N.  longitude: 09 deg. 08 min. E.  

PI 504247  donor id: WB 577.  origin: Italy.  local name: Wild beet.  
collector id: WB 577.  locality: Plants growing on experimental farm in full sun, in dry silt, 3000m NE of Ussana, Cagliari, Sardinia.  latitude: 39 deg. 20 min. N.  longitude: 09 deg. 08 min. E.  

PI 504248  donor id: WB 578.  origin: Italy.  local name: Wild beet.  
collector id: WB 578.  locality: Plants growing on Carletti farm in full sun, in damp silt, 5000m S of Uta, Cagliari, Sardinia.  latitude: 30 deg. 15 min. N.  longitude: 08 deg. 57 min. E.  

PI 504249  donor id: WB 579.  origin: Italy.  local name: Wild beet.  
collector id: WB 579.  locality: Plants growing in indirect sun on southern slope above beach in trees, in coarse dry sand, 500m SW of Cagliari, Torre Montorio, Sardinia.  latitude: 39 deg. 11 min. N.  longitude: 09 deg. 20 min. E.  

PI 504250  donor id: WB 580.  origin: Italy.  local name: Wild beet.  
collector id: WB 580.  locality: Plants growing in full sun on southern slope, in coarse dry sand and gravel above beach, 500m W of Geremeas, Cagliari, Sardinia.  latitude: 39 deg. 10 min. N.  longitude: 09 deg. 22 min. E.  
donor id: WB 581. origin: Italy. local name: Wild beet.

donor id: WB 582. origin: Italy. local name: Wild beet.

donor id: WB 584. origin: Italy. local name: Wild beet.

donor id: WB 585. origin: Italy. local name: Wild beet.

donor id: WB 586. origin: Italy. local name: Wild beet.


PI 504261  donor id: WB 592.  origin: Italy.  local name: Wild beet.

PI 504262  donor id: WB 593.  origin: Italy.  local name: Wild beet.

PI 504263  donor id: WB 594.  origin: Italy.  local name: Wild beet.

PI 504264  donor id: WB 595.  origin: Italy.  local name: Wild beet.


PI 504281  
**donor id:** WB 614.  **origin:** France.  **local name:** Wild beet.  **collected:** July 30, 1985.  **collector:** D.L. Doney & J.S. McFarlane.  **collector id:** WB 614.  **locality:** Plants growing in two locations near Tour de la Parata. One near the sea and one up the hill about 20m, on southern slope in full sun, in coarse dry gravel and cobbles, 13000m W of Ajaccio, Ajaccio, Corsica.  **latitude:** 41 deg. 52 min. N.  **longitude:** 08 deg. 28 min. E.  **elevation:** 1m.  **remarks:** Dry season. Bulk collection. Two large native populations. Very humid. Seed mature, damp.  **salt tolerance:** Salt tolerant.  **annual:** Annual.  **wild:** Wild.  **seed:** Seed.

PI 504282  
**donor id:** WB 615.  **origin:** France.  **local name:** Wild beet.  **collected:** July 30, 1985.  **collector:** D.L. Doney & J.S. McFarlane.  **collector id:** WB 615.  **locality:** Plants growing on side of road in full sun, in coarse dry gravel, Abbartello, Ajaccio, Corsica.  **latitude:** 41 deg. 38 min. N.  **longitude:** 08 deg. 44 min. E.  **elevation:** 10m.  **remarks:** Dry season. Bulk collection. Most erect.  **annual:** Annual.  **wild:** Wild.  **seed:** Seed.

PI 504283  
**donor id:** WB 616.  **origin:** France.  **local name:** Wild beet.  **collected:** July 30, 1985.  **collector:** D.L. Doney & J.S. McFarlane.  **collector id:** WB 616.  **locality:** Plants growing by bridge over river Taravo on side of road on southern slope in full sun, in very fine dry sand and coarse gravel, Ajaccio, Corsica.  **latitude:** 41 deg. 40 min. N.  **longitude:** 08 deg. 42 min. E.  **elevation:** 5m.  **remarks:** Dry season. Bulk collection. Annual.  **wild:** Wild.  **seed:** Seed.

PI 504284  
**donor id:** WB 617.  **origin:** France.  **local name:** Wild beet.  **collected:** July 30, 1985.  **collector:** D.L. Doney & J.S. McFarlane.  **collector id:** WB 617.  **locality:** Plants growing in fields and near beach in full sun, in dry fine sand, coarse sand, and coarse gravel, 400m S of Porto Pollo, Ajaccio, Corsica.  **latitude:** 41 deg. 38 min. N.  **longitude:** 08 deg. 41 min. E.  **elevation:** 5m.  **remarks:** Dry season. Bulk collection. Large population. Mature. Possibly point of origin.  **drought tolerance:** Drought tolerant.  **salt tolerance:** Salt tolerant.  **annual:** Annual.  **wild:** Wild.  **seed:** Seed.

PI 504286. Glycine soja Siebold & Zucc. FABACEAE Wild soybean

Donated by Hong, E.H., Crop Experiment Station, Office of Rural Development, Suweon, Korea, Republic of. Received through Yun-Tzu Kiang, University of New Hampshire, Durham, New Hampshire, United States. Received July 1986.


PI 504287 to 504290. Glycine soja Siebold & Zucc. FABACEAE Wild soybean

Donated by Kaizuma, N., Iwate University, Morioka City, Iwate Ken, Japan. Received through Yun-Tzu Kiang, University of New Hampshire, Durham, New Hampshire. Received July 1986.


PI 504291. Cicer judaicum Boiss. FABACEAE

Donated by Muehlbauer, F.J., Department of Agronomy and Soils, Washington State University, 213 Johnson Hall, Pullman, Washington, United States. Received April 1986.


PI 504292 to 504293. Oryza sativa L. POACEAE Rice

Donated by Chang, T.T., International Rice Research Institute, P.O. Box 933, Manila, Philippines. Received August 1986.

PI 504292 origin: UNKNOWN. cultivar: IR64. other id: A 2624. Cultivated. Seed.


PI 504294 to 504312. Zea mays L. POACEAE Field corn

Donated by Sevilla P., R., Programa Cooperativo De Investigaciones en Maiz, Universidad Nacional Agraria, La Molina, Lima, Peru. Received August 11, 1986.


PI 504294 to 504312—continued


PI 504313. Festuca idahoensis Elmer POACEAE Idaho fescue

Donated by Davis, A. M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.

PI 504313 donor id: D&S 7. origin: United States. collector: A.M. Davis and D.M. Stout. collector id: D&S 7. locality: Upland clay pan prairie, 6.4km E on Rhea Creek Rd, off Hwy 207 S of Heppner, than 4.8km on Sanford Canyon Road, Oregon. drought tolerance: Drought tolerant. Wild. Seed.

PI 504314. Lathyrus nevadensis S. Watson FABACEAE

Donated by Davis, A. M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.

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PI 504315. Lupinus affinis J. Agardh FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.


PI 504316 to 504317. Lupinus arbustus Douglas FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.


PI 504318 to 504319. Lupinus arbustus subsp. neolaxiflorus D. Dunn FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.
PI 504318 to 504319—continued


PI 504320. Lupinus argenteus Pursh  FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.


PI 504321 to 504323. Lupinus argenteus var. tenellus (Douglas ex G. Don) D. Dunn  FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.


PI 504321 to 504323-continued


PI 504324 to 504329.  Lupinus aridus Douglas  FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States.  Received through 1971 Expedition for Lupinus in US.  Received January 1986.


PI 504330. Lupinus caudatus Kellogg  FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.


PI 504331 to 504332. Lupinus caudatus Kellogg subsp. caudatus  FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.

PI 504331  donor id: D&S 41.  origin: United States.  collected: July 8, 1971.  collector: A.M. Davis and D.M. Stout. collector id: D&S 41.  locality: Near reservoir on Grizzley Mountain Road, 1.6km N of Hay Creek Ranch Headquarters and 20.8km from Madras, Oregon.  elevation: 450m.  remarks: Plants growing with sagebrush, cheatgrass, and Juniper. Wild. Seed.

PI 504333 to 504334. Lupinus holosericeus Nutt. FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.

PI 504333

PI 504334

PI 504335. Lupinus latifolius Lindley ex J. Agardh FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.

PI 504335

PI 504336 to 504346. Lupinus leucophyllus Douglas FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.

PI 504336
donor id: D&S 4. origin: United States. collected: July 7, 1971. collector: A.M. Davis and D.M. Stout. collector id: D&S 4. locality: Off Hwy 207 S of Heppner, 6.4km E on Rhea Creek Road, then 1.6km on Sanford Canyon Road, Oregon. elevation: 300m. remarks: Plants growing with teasel, Achillea, Aristida, and Bromus tectorum. Plants medium tall, grey, hirsute. Flowers blue. Similar to plumosus race. Wild. Seed.
collector id: D&S 5.  locality: Upland clay prairie off Hwy 207 S of Heppner, 6.4km E on Rhea Creek Road, then 4.8km on Sanford Canyon Road, Oregon.  elevation: 250m.  

collector id: D&S 8.  locality: Upper Rhea Creek Road, 17.6km from Hwy 207, S of Heppner, Oregon.  elevation: 300m.  

collector id: D&S 10.  locality: At base of basalt ledge, upper Rhea Creek Road, 27.2km E of Hwy 207, S of Heppner, Oregon.  elevation: 240m.  

collector id: D&S 11.  locality: Hwy 207, 11.2km S of Ruggs, Oregon.  elevation: 450m.  

collector id: D&S 17.  locality: Hwy 19, 1.6km from Service Creek junction, Oregon.  remarks: Plants growing with Juniper, sage brush, and cheatgrass.  Plants average height, puberulent.  Wild.  Seed.

collector id: D&S 21.  locality: Disturbed site at fossil beds, Fossil, Oregon.  elevation: 795m.  
PI 504336 to 504346-continued


PI 504347. Lupinus leucophyllus Douglas FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.

PI 504348. Lupinus littoralis Douglas FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.


PI 504349 to 504353. Lupinus polyphyllus Lindley FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.


PI 504349 to 504353-continued


PI 504354 to 504355. Lupinus burkei S. Watson FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.

PI 504354 donor id: D&S 64. origin: United States. collected: August 4, 1971. collector: A.M. Davis and D.M. Stout. collector id: D&S 64. locality: From Twisp, 20.8km on Black Canyon Road, then 14.4km on Lime Creek Road, Washington. remarks: Plants growing with ponderosa pine, fir, big bluegrass, and forest glade. Plants glabrous. Leaves large, dark green. Flowers dark blue. Wild. Seed.


PI 504356. Lupinus pusillus Pursh FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.

PI 504357. Lupinus rivularis Douglas ex Lindley FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.


PI 504358 to 504362. Lupinus sericeus Pursh FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.


PI 504358 to 504362-continued

PI 504362  
donor id: D&S 95.  
origin: United States.  
collected: August 6, 1971.  
collector: A.M. Davis and D.M. Stout.  
collector id: D&S 95.  
locality: South of Pomroy, 8km from Forest boundary, Washington.  

PI 504363 to 504364. Lupinus sericeus var. egglestonianus C. P. Smith  
FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States.  
Received through 1971 Expedition for Lupinus in US. Received January 1986.

PI 504363  
donor id: D&S 56.  
origin: United States.  
collected: August 4, 1971.  
collector: A.M. Davis and D.M. Stout.  
collector id: D&S 56.  
locality: In reseeded hillside, after E turn, 12.8km N of Waterville, Washington.  
elevation: 840m.  

PI 504364  
donor id: D&S 83.  
origin: United States.  
collected: August 6, 1971.  
collector: A.M. Davis and D.M. Stout.  
collector id: D&S 83.  
locality: Hwy 30, 1.6km from Republic to Tonasket, Washington.  
elevation: 750m.  

PI 504365 to 504366. Lupinus sericeus var. flexuosus (Lindley ex J. Agardh) C. P. Smith  
FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States.  
Received through 1971 Expedition for Lupinus in US. Received January 1986.

PI 504365  
donor id: D&S 78.  
origin: United States.  
collected: August 5, 1971.  
collector: A.M. Davis and D.M. Stout.  
collector id: D&S 78.  
locality: Roadside above Conconully Lake, 1.6km from Conconully, Washington.  
elevation: 600m.  

PI 504367 to 504368. Lupinus sulphureus Douglas ex Hook. FABACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.


PI 504369. Poa ampla Merr. POACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.

PI 504370. Poa secunda J. S. Presl POACEAE

Donated by Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. Received through 1971 Expedition for Lupinus in US. Received January 1986.


PI 504371. Lupinus arbustus Douglas FABACEAE


PI 504372 to 504374. Lupinus argenteus Pursh FABACEAE


PI 504375. Lupinus caudatus Kellogg  FABACEAE


PI 504376 to 504380. Lupinus argenteus var. tenellus (Douglas ex G. Don) D. Dunn  FABACEAE


PI 504381 to 504383. Lupinus lepidus Douglas  FABACEAE

**Donated by** Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. 1983 Expedition for Lupinus in US. Received January 1986.

**PI 504381**
- **Donor id:** D&S 182. **Origin:** United States. **Collected:** July 25, 1983. **Collector:** A.M. Davis and D.M. Stout. **Collector id:** D&S 182. **Locality:** Hwy 244, Starkey, 20km W of LaGrande, Umatilla County, Oregon. Wild. Seed.

**PI 504382**
- **Donor id:** D&S 184. **Origin:** United States. **Collected:** July 25, 1983. **Collector:** A.M. Davis and D.M. Stout. **Collector id:** D&S 184. **Locality:** US Forest Service Road, 20km from Ukiah to Heppner, Umatilla County, Oregon. Wild. Seed.

**PI 504383**
- **Donor id:** D&S 185. **Origin:** United States. **Collected:** July 25, 1983. **Collector:** A.M. Davis and D.M. Stout. **Collector id:** D&S 185. **Locality:** South, 5km of Ruggs, Morrow County, between Heppner and Spray, Oregon. Wild. Seed.

PI 504384 to 504400. Lupinus leucophyllus Douglas  FABACEAE

**Donated by** Davis, A.M., Regional Plant Introduction Station, USDA-ARS, 59 Johnson Hall, Pullman, Washington, United States. 1983 Expedition for Lupinus in US. Received January 1986.

**PI 504384**
- **Donor id:** D&S 117. **Origin:** United States. **Collected:** July 06, 1983. **Collector:** A.M. Davis and D.M. Stout. **Collector id:** D&S 117. **Locality:** Hwy 395, 10km S of Ukiah, Umatilla County, Oregon. Wild. Seed.

**PI 504385**
- **Donor id:** D&S 118. **Origin:** United States. **Collected:** July 25, 1983. **Collector:** A.M. Davis and D.M. Stout. **Collector id:** D&S 118. **Locality:** Open upland meadow, 20km on Forest Service Rd, from Ukiah to Heppner, Morrow County, Oregon. Wild. Seed.

**PI 504386**
- **Donor id:** D&S 119. **Origin:** United States. **Collected:** July 25, 1983. **Collector:** A.M. Davis and D.M. Stout. **Collector id:** D&S 119. **Locality:** Hwy 19, Fossil, Wheeler County, Oregon. Wild. Seed.

**PI 504387**
- **Donor id:** D&S 129. **Origin:** United States. **Collected:** July 06, 1983. **Collector:** A.M. Davis and D.M. Stout. **Collector id:** D&S 129. **Locality:** Sagebrush prairie, Hwy 244, 25km E of Ukiah, Umatilla County, Oregon. **Elevation:** 1500m. Wild. Seed.


PI 504401. Lupinus littoralis Douglas  FABACEAE


PI 504402 to 504409. Lupinus polyphyllus Lindley  FABACEAE


PI 504410 to 504414. Lupinus burkei S. Watson FABACEAE

PI 504410 to 504414-continued


PI 504415. Lupinus rivularis Douglas ex Lindley  FABACEAE


PI 504416 to 504423. Lupinus sericeus Pursh  FABACEAE


PI 504424 to 504433. Lupinus sulphureus Douglas ex Hook. FABACEAE


PI 504424 to 504433—continued


PI 504434 to 504438.  Lupinus aridus  Douglas  FABACEAE


PI 504434  donor id: D&S 104.  origin: United States.  local name: Dry ground lupine.  collected: July 06, 1983.  collector: A.M. Davis and D.M. Stout.  collector id: D&S 104.  locality: Hwy 244, 10km E of Ukiah, Umatilla County, Oregon.  remarks: Low growing mat type.  Wild.  Seed.


PI 504439 to 504440. Lupinus minimus Douglas ex Hook. FABACEAE


PI 504441. Agropyron barbicallum Ohwi POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.


PI 504442. Agropyron cristatum (L.) Gaertn. POACEAE Fairway crested wheatgrass

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.


PI 504443. Bromus japonicus Thunb. ex Murr. POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.
PI 504443

donor id: D-3519.  origin: China, Peoples Repub of.
origin institute: Northwest Plateau Institute of Biology,
Academia Sinica, Xining, Qinghai.  collected: June 17,
Seed.

PI 504444.  Elymus atratus (Nevski) Hand.-Mazz.  POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research
Laboratory, Utah State University, UMC-63, Logan, Utah, United
States.  Received October 25, 1985.

PI 504444  donor id: D-3502.  origin: China, Peoples Repub of.
origin institute: Northwest Plateau Institute of Biology,
Academia Sinica, Xining, Qinghai.  locality: Menyuan,
Qinghai Province.  Wild.  Seed.

PI 504445 to 504447.  Elymus breviaristatus (A. Hitchc.) A. Love
POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research
Laboratory, Utah State University, UMC-63, Logan, Utah, United
States.  Received October 25, 1985.

PI 504445  donor id: D-3495.  origin: China, Peoples Repub of.
origin institute: Inner Mongolian College, of Agriculture
Seed.

PI 504446  donor id: D-3503.  origin: China, Peoples Repub of.
origin institute: Northwest Plateau Institute of Biology,
Academia Sinica, Xining, Qinghai.  collected: September
10, 1983.  locality: Xining, Qinghai Province.  Wild.
Seed.

PI 504447  donor id: D-3504.  origin: China, Peoples Repub of.
origin institute: Northwest Plateau Institute of Biology,
Academia Sinica, Xining, Qinghai.  collected: 1983.
locality: North of Qinghai Lake, Qinghai Province.  Wild.
Seed.

PI 504448.  Elymus dahuricus Turcz.  ex Griseb.  POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research
Laboratory, Utah State University, UMC-63, Logan, Utah, United
States.  Received October 25, 1985.
PI 504448-continued


PI 504449 to 504451.  Elymus dahuricus Turcz. ex Griseb. subsp. dahuricus  POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States.  Received October 25, 1985.


PI 504452 to 504454.  Elymus dahuricus subsp. excelsus (Turcz. ex Griseb.) Tzvelev  POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States.  Received October 25, 1985.


PI 504454 donor id: D-3510. origin: China, Peoples Repub of. origin institute: Northwest Plateau Institute of Biology, Academia Sinica, Xining, Qinghai. collected: August 30, 1983. locality: North of Qinghai Lake, Qinghai Province. received as: Elymus tangutorum. Wild. Seed.

PI 504455 to 504456. Elymus grandiglumis (Keng) A. Love POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.


PI 504457. Elymus kengii Tzvelev POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.


PI 504458. Elymus melantherus (Keng) A. Love POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.

PI 504459. Elymus nutans Griseb. POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.


PI 504460. Elymus parviglumis (Keng) A. Love POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.


PI 504461. Elymus purpuraristatus C. P. Wang & H. L. Yang POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.


PI 504462 to 504463. Elymus sibiricus L. POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.


PI 504464. Elymus strictus (Keng) A. Love  POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.


PI 504465. Leymus secalinus (Georgi) Tzvelev  POACEAE

Donated by Dewey, D.R., USDA-ARS, Forage and Range Research Laboratory, Utah State University, UMC-63, Logan, Utah, United States. Received October 25, 1985.


PI 504466. Triticum aestivum L.  POACEAE  Common wheat

Donated by Konzak, C.F., Department of Agronomy & Soils, Washington State University, Pullman, Washington, United States. Received August 12, 1986.


PI 504467. Trichosanthes cucumerina var. anguina (L.) Haines CUCURBITACEAE

Donated by Known-You Seed Company, 26, Chung Cheng 2nd Road, Kaohsiung, Taiwan, Rep. of China. Received through S.S.M. Lin, AVRDC, Shanhua, Tainan, Taiwan. Received December 1984.

PI 504467 origin: Taiwan. local name: Snake gourd. remarks: Plants grow best on wall, arbor or trellis in warm, hot weather. received as: Trichosanthes anguina. Cultivated. Seed.
PI 504468. Cichorium intybus L. ASTERACEAE Chicory

**Donated by** Institut fur Zuchtungforschung, Quedlinburg, German Democratic Republic. Received April 1986.

PI 504468 **origin:** German Democratic Repub. **local name:** Witloof. Cultivated. Seed.

PI 504469. Bromus sp. POACEAE

**Donated by** Reid, R., Elliott Research Station, Department of Agriculture, Private Bag 20, Burnie 7320, Tasmania, Australia. Received May 1986.

PI 504469 **donor id:** CPI 25746. **origin:** Australia. **remarks:** Plants growing in basaltic soil in Tasmania since 1950's. Grazed by sheep. Wild. Seed.

PI 504470. Desmodium varians var. gunnii (Hook. f.) Benth. FABACEAE

**Donated by** Reid, R., Elliott Research Station, Department of Agriculture, Private Bag 20, Burnie 7320, Tasmania, Australia. Received May 1986.

PI 504470 **origin:** Australia. **locality:** Granite skeletal soil, in light shade of Eucalypt forest, Radio Tower Hill, Bicheno, Tasmania. **latitude:** 41 deg. 53 min. S. **longitude:** 148 deg. 18 min. E. **elevation:** 100m. **remarks:** Rainfall 575mm. Palatable to stock. Probably the most southerly Desmodium collection. Wild. Seed.

PI 504471. Trifolium pratense L. FABACEAE

**Donated by** Reid, R., Elliott Research Station, Department of Agriculture, Private Bag 20, Burnie 7320, Tasmania, Australia. Received May 1986.

PI 504471 **donor id:** CPI 48825. **origin:** Portugal. **collected:** August 06, 1968. **collector:** C.A. Neal-Smith and F.W. Healy. **collector id:** 27. **locality:** Crato, 22km W of Port Alegre. **elevation:** 220m. **remarks:** Plants prostrate, growing in Tasmania under sheep grazing for at least twelve years. Wild. Seed.

PI 504472 to 504479. Oryza sativa L. POACEAE Rice

**Donated by** Watanabe, S., National Inst. of Agrobiological Res., 2-1-2 Yatabe, Tsukuba Science City, Ibaraki 305, Japan. Code numbers refer to crop code and accession designations Received August 1986.
PI 504472 to 504479-continued


PI 504480 to 504510.  Glycine max (L.) Merr.  FABACEAE Soybean

Donated by Tay, Chong-Seng, Genetic Resources and Seed Unit, AVRDC, Shanhua, Tainan, Taiwan.  Received August 11, 1986.

PI 504480  donor id: AVRDC 5.  origin: Taiwan.  origin institute: District Agricultural Improvement Sta., Tainan.  cultivar: Tainan Tsai Lai Chung.  remarks: Native type.  Seed.


PI 504482  donor id: AVRDC 22.  origin: Taiwan.  locality: Collected in a farmers field near Ma Pi Tou, southern Taiwan.  Seed.


PI 504485 donor id: AVRDC 42. origin: Japan. origin institute: District Agricultural Improvement Sta., Taipei. cultivar: Ho Ko Tao (Mikawshima). Cultivar. Seed.


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<tr>
<td>PI 504503</td>
<td>donor id: AVRDC 2261.</td>
<td>origin: Taiwan.</td>
<td>origin institute: Taiwan Agricultural Research Institute, Shanhua.</td>
<td>cultivar: Tainung 15.</td>
<td>Cultivated. Seed.</td>
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<td>PI 504504</td>
<td>donor id: AVRDC 2567.</td>
<td>origin: Taiwan.</td>
<td>cultivar: Sundar No. 1.</td>
<td>locality: Collected on sandy soil near Ma Pi Tou, southern Taiwan.</td>
<td>Cultivar. Seed.</td>
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PI 504511. Haloxylon aphyllum (Minkw.) Iljin CHENOPODIACEAE

Donated by Ministry of Agriculture, Research Inst. of Forest and Rangelands, P.O. Box 13-116, Teheran, Iran. Received through FAO, Rome, Italy. Donor id numbers refer to FAO seed accession numbers. Received August 12, 1986.

PI 504511 donor id: 64.733. origin: Iran. Seed.

PI 504512. Haloxylon persicum Bunge ex Boiss. & Buhse CHENOPODIACEAE

Donated by Ministry of Agriculture, Research Inst. of Forest and Rangelands, P.O. Box 13-116, Teheran, Iran. Received through FAO, Rome, Italy. Donor id numbers refer to FAO seed accession numbers. Received August 12, 1986.

PI 504512 donor id: 64.734. origin: Iran. Seed.

PI 504513 to 504516. Solanum muricatum Aiton SOLANACEAE Pepino

Donated by Hammett, K.R.W., Division of Horticulture and Processing, Dept. of Scientific and Industrial Res., 120 Mt. Albert Road, Private Bag, Auckland 3, New Zealand. Received July 18, 1986.


PI 504516 origin: Chile. cultivar: Schmidt. remarks: Plants erect with simple leaves. Fruit medium size, ovate to cordate, yellow with dull purple stripes. Soluble solid content high. Flavor strong. Cultivar. Seed.

PI 504517. Triticum aestivum L. POACEAE Common wheat

Donated by Cox, T.W., USDA-ARS, Department of Agronomy, Kansas State University, Manhattan, Kansas, United States. Received July 18, 1986.
PI 504517 Continued

PI 504517  
donor id: KS86WGRC02.  
origin: United States.  
pedigree: TA1675/3*Wichita.  
remarks: Hard red type. Similar to Wichita in height, maturity and phenotype. Susceptible to soilborne mosaic virus, stem rust and Hessian fly.  

PI 504518. Amaranthus sp. AMARANTHACEAE

Donated by Stewart, J.M., USDA-ARS, Department of Plant and Soil Sciences, University of Tennessee, Knoxville, Tennessee, United States. Received August 1985.

PI 504518  
donor id: CFS-85.  
origin: Australia.  
collected: June 14, 1985.  
collector id: CFS-85.  
locality: Beach above high tide, 3km E of Middle Osborne Island, Kimberleys, Western Australia.  
remarks: Plant to 50cm tall with multiple fruiting branches from lower stem. Annual. Wild. Seed.

PI 504519. Citrullus lanatus (Thunb.) Matsum. & Nakai CUCURBITACEAE Watermelon

Donated by Stewart, J.M., USDA-ARS, Department of Plant and Soil Sciences, University of Tennessee, Knoxville, Tennessee, United States. Received August 1985.

PI 504519  
origin: Australia.  
collected: June 20, 1985.  
collector id: CFS-101.  

PI 504520. Solanum laciniatum Aiton SOLANACEAE

Donated by Stewart, J.M., USDA-ARS, Department of Plant and Soil Sciences, University of Tennessee, Knoxville, Tennessee, United States. Received August 1985.

PI 504520  
donor id: CFS-117.  
origin: Australia.  
origin institute: Australian National Botanical Garden, Canberra, ACT.  
collected: June 30, 1985.  
collector id: CFS-117.  
remarks: Perennial shrub to 2m tall, spreading. Fruit yellow, 1 cm diameter, edible. May be cultivated for steriods. Cultivated. Seed.
PI 504521. Sorghum plumosum (R. Br.) P. Beauv. POACEAE

Donated by Stewart, J.M., USDA-ARS, Department of Plant and Soil Sciences, University of Tennessee, Knoxville, Tennessee, United States. Received August 1985.


PI 504522 to 504527. Cucumis melo L. CUCURBITACEAE Muskmelon

Donated by NBPGR, New Delhi, India. Received August 1986.


PI 504528. Cucumis sativus L. CUCURBITACEAE Cucumber

Donated by NBPGR, New Delhi, India. Received August 1986.

PI 504528 origin: India. cultivar: Pusa Sanjog. Cultivar. Seed.

PI 504529 to 504530. Cynara scolymus L. ASTERACEAE Artichoke

Donated by Bueno, M.A., Banco de Germoplasma Vegetal, INIA, Alcala de Henares, Spain. Received March 1986.
PI 504529 to 504530-continued


PI 504531 to 504533. Cucumis melo L.  CUCURBITACEAE  Muskmelon

Donated by Ahn, W.S., Plant Genetics Resources Program, Research Bureau, Rural Development Adm., 250 Seodun Dong, Suweon 170, Republic of Korea.  Received August 1986.

PI 504531  origin: Korea, Republic of.  cultivar: Gam.  remarks: Maturity medium.  Fruit short to oblong, light pink.  Brix value 6-8.  received as: Cucumis melo var. makawa.  Cultivar.  Seed.


PI 504534. Astragalus robbinsii var. jesupii Eggl. & Sheldon  FABACEAE

Donated by Brumback, W.E., Garden in the Woods, Hemenway Road, Framingham, Massachusetts, United States.  Received August 1986.


PI 504535. Oxytropis campestris var. johannensis Fern.  FABACEAE

Donated by Brumback, W.E., Garden in the Woods, Hemenway Road, Framingham, Massachusetts, United States.  Received August 1986.

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PI 504535

**donor id:** 86p-538. **origin:** United States. **collected:** August 06, 1986. **collector:** W.E. Brumback. **collector id:** 86p-538. **locality:** Plants growing in river washed sand and rocky outcrop on St. John River, behind house #390 on road to Allagash from Ft. Kent, Aroostook County, Maine. **remarks:** Plants growing with Potentilla tridentata, Campanula rotundifolia, Senecio pauperculus and Solidago. Wild. Seed.

PI 504536. Polemonium vanbruntiae Britton POLEMONIACEAE

**Donated by** Brumback, W.E., Garden in the Woods, Hemenway Road, Framingham, Massachusetts, United States. **Received August 1986.**

**donor id:** 86p-548. **origin:** United States. **collected:** August 03, 1986. **collector:** W.E. Brumback. **collector id:** 86p-548. **locality:** Plants growing in heavy swamp in open forest, 3.2km E from Lincoln Rd out of Warren, to Lincoln Gap, right on Gary Rd, 1.8km, Vermont. **remarks:** Plants growing with Clematis virginiana, Carex crinita, Spirea latifolia, Caltha palustris, Aster puniceus. Wild. Seed.

PI 504537. Dactylis glomerata L. POACEAE Orchardgrass

**Donated by** Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. **Received October 1985.**

**donor id:** M-15441. **origin:** Greece. **collector id:** 87/84. **locality:** Plants growing in mountainous area in yellow sand and rocks with excessive drainage, 12km from Florina towards Prespa, Florina. **elevation:** 1100m. **remarks:** Plants growing with Phleum, Poa, Brachpodium and Festuca. Wild. Seed.

PI 504538. Festuca arundinacea Schreber POACEAE Tall fescue

**Donated by** Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. **Received October 1985.**

**donor id:** M-15466. **origin:** Greece. **collected:** August 21, 1984. **collector id:** 112/84. **locality:** Plants growing in flood plain in brown clay with poor drainage, 0.5km from Komotini towards Agricultural Research Station, Komotini. **elevation:** 40m. **remarks:** Plants growing with Lolium, Brachypodium and Trifolium. Wild. Seed.
PI 504539. Lolium perenne L. POACEAE Perennial ryegrass

Donated by Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. Received October 1985.

PI 504539 donor id: M-15475. origin: Greece. collected: July 19, 1984. collector id: 121/84. locality: Plants growing in level ground in red loam with moderate drainage, 0.5km from Protochozi towards Kozani. elevation: 680m. remarks: Plants growing with Festuca arundinacea, Brachypodium, Phleum and Trifolium. Wild. Seed.

PI 504540. Medicago arborea L. FABACEAE

Donated by Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. Received October 1985.

PI 504540 donor id: M-15132. origin: Greece. collected: August 7, 1983. collector id: 138/83. locality: Plants growing in mountainous area in red sand with rocks with excessive drainage, 1.5km from Kini towards Ermupolis, Syros. elevation: 150m. remarks: Plants growing with Dactylis glomerata, Trifolium and Medicago. Wild. Seed.

PI 504541. Medicago orbicularis (L.) Bartal. FABACEAE

Donated by Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. Received October 1985.


PI 504542. Melilotus alba Medikus FABACEAE White sweetclover

Donated by Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. Received October 1985.

PI 504542 donor id: M-15123. origin: Greece. collected: August 27, 1982. collector id: 100/82. locality: Plants growing in mountainous area in white to gray loam with good drainage, 5km from Konitsa towards Iliorachi, Zoannina. elevation: 600m. remarks: Plants growing with Festuca arundinacea, Dactylis glomerata, Avena, and Trifolium. Wild. Seed.
PI 504543. *Oryzopsis miliacea* (L.) Benth. & Hook. **POACEAE**

**Donated by** Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. **Received October 1985.**

**PI 504543**  

PI 504544. *Phalaris aquatica* L. **POACEAE**

**Donated by** Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. **Received October 1985.**

**PI 504544**  
donor id: M-15580. **origin**: Greece. **collected**: August 18, 1985. **collector id**: i/85. **locality**: Plants growing in hilly area in yellow sand and stones, with good drainage, 0.5km from Kastro towards Amaliada, Ilia. **elevation**: 100m. **remarks**: Plants growing with Dactylis glomerata, Avena, and Trifolium. **received as**: Phalaris tuberosa. Wild. Seed.

PI 504545. *Trifolium alexandrinum* L. **FABACEAE** **Berseem clover**

**Donated by** Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. **Received October 1985.**

**PI 504545**  
donor id: M-15545. **origin**: Greece. **collected**: June 14, 1984. **collector id**: 022/84. **locality**: Plants growing in brown loam on flood plain, 4km from Larissa towards Farsala. **elevation**: 75m. **remarks**: Plants growing with medics, Bromus, Avena, Lolium, Cichorium, and Carlina. Wild. Seed.

PI 504546. *Trifolium pratense* L. **FABACEAE** **White clover**

**Donated by** Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. **Received October 1985.**

**PI 504546**  
donor id: M-15508. **origin**: Greece. **collected**: September 22, 1982. **locality**: Plants growing in mountainous area in loam with good drainage, 8km from Sparmos towards Vrisopoules. **elevation**: 1000m. Cultivated. Seed.
PI 504547. Trifolium repens L. FABACEAE White clover

Donated by Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. Received October 1985.

PI 504547 donor id: M-15543. origin: Greece. collected: July 18, 1984. collector id: 005/84. locality: Plants growing in mountainous area on medium stony yellowish loam near a spring with moderate drainage, 4km from Trigoniko toward Mikrovalto, Kozani. elevation: 550m. remarks: Plants growing with Dactylis glomerata, Trifolium, and Phleum. Wild. Seed.

PI 504548. Trifolium resupinatum L. FABACEAE Persian clover

Donated by Fodder Crops & Pastures Institute, 411 10 Larissa, Greece. Received October 1985.

PI 504548 donor id: M-15548. origin: Greece. collected: June 14, 1984. collector id: 054/84. locality: Plants growing on a flood plain in brown clay with moderate drainage, 4km from Larissa towards Farsala. elevation: 70m. remarks: Plants growing with medics, Bromus, Avena, Lolium, Cichorium and Carlina. Wild. Seed.

PI 504549. Triticum aestivum L. POACEAE Common wheat

Donated by Konzak, C.F., Department of Agronomy & Soils, Washington State University, Pullman, Washington, United States. Received through J. Petersen, University of Nebraska, Lincoln, Nebraska. Received August 20, 1986.


PI 504550. Cicer yamashitae Kitam. FABACEAE

Donated by Pundir, R.P.S., ICRISAT, Patancheru, India. Received September 22, 1986.


PI 504551. Cucumis africanus L. F. CUCURBITACEAE

Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.

PI 504551 origin: Netherlands. Seed.
PI 504552. Cucumis anguria L. CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504552 origin: Ethiopia. Seed.

PI 504553. Cucumis dipsaceus Ehrenb. ex Spach CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.

PI 504554. Cucumis ficifolius A. Rich. CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504554 origin: Africa. Seed.

PI 504555. Cucumis figarei Del. ex Naudin CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504555 origin: United Kingdom. Seed.

PI 504556. Cucumis metuliferus E. Mey. ex Naud. CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504556 origin: Netherlands. Seed.

PI 504557. Cucumis myriocarpus Naud. CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504557 origin: South Africa. Seed.

PI 504558. Cucumis sacleuxii Pallieux & A. Bois CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504558 origin: India. Seed.

PI 504559. Cucumis sativus var. anatolicus Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504559 donor id: VIR 2142. origin: Soviet Union. Seed.
PI 504560. Cucumis sativus var. anglicus L. Bailey CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.

PI 504561. Cucumis sativus var. cilicicus Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.

PI 504562. Cucumis sativus var. europaeus Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.

PI 504563. Cucumis sativus var. falcatus Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504563 donor id: VIR 3026. origin: Japan. Seed.

PI 504564. Cucumis sativus var. hardwickii (Royle) Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504564 donor id: VIR 3147. origin: India. Seed.

PI 504565. Cucumis sativus var. indo-europaeus Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.

PI 504566. Cucumis sativus var. irano-turanicus Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.

PI 504567. Cucumis sativus var. izmir Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504567-continued


PI 504568. Cucumis sativus var. sikkimensis Hook. f. CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504568 donor id: VIR 2393. origin: India. Seed.

PI 504569 to 504570. Cucumis sativus var. squamosus Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.
PI 504569 donor id: VIR 1418. origin: India. Seed.
PI 504570 donor id: VIR 1423. origin: India. Seed.

PI 504571. Cucumis sativus var. testudaceus Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.

PI 504572. Cucumis sativus var. tuberculatus Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.

PI 504573. Cucumis sativus var. vulgatus Gaboaev CUCURBITACEAE
Donated by VIR, Leningrad, Soviet Union. Received August 26, 1986.

PI 504574 to 504575. Avena nuda L. POACEAE Naked oat
Donated by Marshall, H.G., USDA-ARS, Department of Agronomy, Pennsylvania State University, University Park, Pennsylvania, United States. Received October 06, 1986.

PI 504576 to 504613. Avena sativa L. POACEAE Common oat

Donated by Marshall, H.G., USDA-ARS, Department of Agronomy, Pennsylvania State University, University Park, Pennsylvania, United States. Received October 06, 1986.


PI 504576 to 504613-continued


pedigree: Otee/Noble.  remarks: Plants medium tall,  

PI 504585  donor id: PA 7967-11193.  origin: United States.  
pedigree: Noble/OT 207.  remarks: Plants semidwarf, very  
short, 30cm shorter than Ogle.  Maturity several days  

PI 504586  donor id: PA 7967-11644.  origin: United States.  
Maturity moderately early.  Good test weight.  Spring  

pedigree: ED 26/Otee.  remarks: Plants 4-10cm shorter  
than Ogle.  Maturity slightly earlier than Ogle.  High  
yield (greater than Ogle in 1982), good lodging  

pedigree: ED 26/Otee.  remarks: Plants medium short,  
approx. 12cm shorter than Ogle.  Maturity slightly earlier  

PI 504589  donor id: PA 8098-13136.  origin: United States.  
pedigree: ED 26/Otee.  remarks: Plants approx. 5cm  
shorter than Ogle.  Maturity several days earlier than  
Ogle.  Good test weight, stiff straw.  Spring Annual.  
Cultivated.  Seed.

pedigree: ED 26/ Noble.  remarks: Plants approx. Ogle  
height or slightly shorter.  Maturity later than Ogle.  
Very stiff, large stem diameter, large panicles, poor  

PI 504591  donor id: PA 8098-13608.  origin: United States.  
pedigree: ED 26/Noble.  remarks: Plants short, 13-20cm  
shorter than Ogle.  Maturity slightly earlier than Ogle.  
Very stiff, blue-green plant color.  Spring Annual.  
Cultivated.  Seed.
PI 504576 to 504613-continued

PI 504592 donor id: PA 8098-13848. origin: United States. 

PI 504593 donor id: PA 8196-1556. origin: United States. 

PI 504594 donor id: PA 8196-8900. origin: United States. 

PI 504595 donor id: PA 8196-11445. origin: United States. 


PI 504599 donor id: PA 8290-4589. origin: United States. 

PI 504600 donor id: PA 8290-5181. origin: United States. 
PI 504576 to 504613-continued

PI 504601 donor id: PA 8290-5869. origin: United States.
Excellent kernel, blue-green plant color, good test

PI 504602 donor id: PA 8290-8097. origin: United States.
pedigree: New York Composite Seln./Larry. remarks:
Plants 10-14cm shorter than Ogle. Maturity medium early.

PI 504603 donor id: PA 8290-8903. origin: United States.
pedigree: New York Composite Seln./Noble. remarks:
Plants approx. 10cm shorter than Ogle. Maturity slightly
earlier than Ogle. Good test weight. Spring Annual.
Cultivated. Seed.

PI 504604 donor id: PA 8290-9277. origin: United States.
pedigree: ED 26/Noble//Ogle. remarks: Plants medium
short. Maturity several days earlier than Ogle. Very

PI 504605 donor id: PA 8290-9278. origin: United States.
Maturity slightly earlier than Ogle. Spring Annual.
Cultivated. Seed.

PI 504606 donor id: PA 8290-9776. origin: United States.
pedigree: Mapua 70*2/Noble. remarks: Plants 9cm shorter
than Ogle. Maturity medium early. Excellent kernel and

PI 504607 donor id: PA 8290-10957. origin: United States.
pedigree: ED 26/Otee. remarks: Plants semidwarf.
Maturity later than Pennlo, similar to Noble. Lodging

PI 504608 donor id: PA 8393-1250. origin: United States.
pedigree: Mapua 70/Noble//Harmon. remarks: Plants very
short, approx. 20cm shorter than Ogle. Maturity medium
early. Very stiff straw, nice kernel, good test weight,
quite susceptible to Helminthosporium. Spring Annual.
Cultivated. Seed.

PI 504609 donor id: PA 8393-7360. origin: United States.
pedigree: Larry/Orbit. remarks: Plants short, approx.
12cm shorter than Ogle. Maturity medium early. Excellent,
short stiff type. Clean leaves. Spring Annual.
Cultivated. Seed.


PI 504614. Arachis hypogaea L.  FABACEAE  Peanut

Donated by Holbrook, C.C., USDA-ARS, Nematodes, Weeds & Crops Research Unit, P.O. Box 748, Tifton, Georgia, United States. Received October 09, 1986.


PI 504615. Erianthus sp.  POACEAE

Donated by Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received July 1986.


PI 504616 to 504617. Saccharum barberi Jesw.  POACEAE

Donated by Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received July 1986.

PI 504616 to 504617-continued

PI 504617  donor id: 9583B.  origin: Iran.  other id: GD386.  Plant.

PI 504618 to 504674.  Saccharum hybrid  POACEAE

Donated by Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received July 1986.


PI 504618 to 504674-continued


PI 504634 donor id: 9512. origin: Taiwan. origin institute: Taiwan Sugar Research Institute, Tainan. cultivar: F 134. Cultivated. Plant.


PI 504636 donor id: 9514. origin: Taiwan. origin institute: Taiwan Sugar Research Institute, Tainan. cultivar: F 152. Cultivated. Plant.

PI 504637 donor id: 9515. origin: Taiwan. origin institute: Taiwan Sugar Research Institute, Tainan. cultivar: F 160. Cultivated. Plant.


PI 504618 to 504674—continued


donor id: 9568. origin: Australia. origin institute: Bureau Sugar Experiment Station, Queensland. cultivar: Q 57. Cultivated. Plant.

donor id: 9569. origin: Australia. origin institute: Bureau Sugar Experiment Station, Queensland. cultivar: Q 63. Cultivated. Plant.

donor id: 9570. origin: Australia. origin institute: Bureau Sugar Experiment Station, Queensland. cultivar: Q 68. Cultivated. Plant.

donor id: 9571. origin: Australia. origin institute: Bureau Sugar Experiment Station, Queensland. cultivar: Q 77. Cultivated. Plant.

donor id: 9572. origin: Australia. origin institute: Bureau Sugar Experiment Station, Queensland. cultivar: Q 78. Cultivated. Plant.


donor id: 9575. origin: Australia. origin institute: Bureau Sugar Experiment Station, Queensland. cultivar: Q 90. Cultivated. Plant.

PI 504618 to 504674—continued


PI 504669 donor id: 9578. origin: Australia. origin institute: Bureau Sugar Experiment Station, Queensland. cultivar: Trojan. Cultivated. Plant.


PI 504675. Saccharum sinense Roxb. POACEAE

Donated by Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received July 1986.


PI 504676 to 504678. Saccharum spontaneum L. POACEAE

Donated by Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received July 1986.
PI 504676 to 504678-continued


PI 504679. Erianthus sp.  POACEAE

Donated by Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States.  Received through the IBPGR sponsored Philippine Collecting Expedition - 1984.  Received July 1986.


PI 504680 to 504695. Saccharum officinarum L.  POACEAE  Sugarcane

Donated by Microbiology and Plant Pathology Lab, USDA-ARS, Beltsville, Maryland, United States.  Received through the IBPGR sponsored Philippine Collecting Expedition - 1984.  Received July 1986.


other id: P-Mag-84-21.  locality: Magindanao Province.  
elevation: 10m.  remarks: Culms green and tall with long internodes. Red rot, red spot, and yellow spot noted. Wild. Plant.

PI 504693  donor id: 9707.  origin: Philippines.  collector id: 221.  
other id: P-Mag-84-28.  locality: Magindanao Province.  
elevation: 15m.  remarks: Culms brownish green. Red rot and red spot noted. Wild. Plant.

PI 504694  donor id: 9708.  origin: Philippines.  collector id: 222.  
other id: P-Mag-84-29.  locality: Magindanao Province.  
elevation: 15m.  remarks: Culms green. Red rot and red spot noted. Wild. Plant.

PI 504695  donor id: 9711.  origin: Philippines.  collector id: 228.  
other id: P-Cot-S-84-3.  locality: Cotabato del Sur Province.  

PI 504696 to 504746. Saccharum spontaneum L.  POACEAE

Donated by Microbiology and Plant Pathology Lab, USDA-ARS, Beltsville, Maryland, United States. Received through the IBPGR sponsored Philippine Collecting Expedition - 1984. Received July 1986.

other id: P-Sor-84-13.  locality: Sorsogon Province.  
remarks: Culms brownish to yellow green, waxy, non-flowering. Leaves healthy, drooping. Red spot noted. Wild. Plant.


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PI 504696 to 504746-continued

other id: PAL-84-7.  locality: Albay Province.  remarks:  
Culms hard, tall, yellow green, purplish near nodes.  

other id: PCa Sur 84-1.  locality: Camarines Sur Province.  remarks:  
Culms very tall, purple, waxy, heavy trichomes. Flowering profuse. Red spot noted. Wild. Plant.

other id: PCa Sur 84-2.  locality: Camarines Sur Province.  remarks:  
Culms yellowish purple, waxy, flowering early. Red spot and red rot noted. Wild. Plant.

other id: PCa Sur 84-3.  locality: Camarines Sur Province.  remarks:  
Culms tall, yellow green, waxy, no trichomes. Flowering early. Red rot, red spot, and rust noted. Wild. Plant.

other id: PCa Sur 84-4.  locality: Camarines Sur Province.  remarks:  

other id: PCa Sur 84-5.  locality: Camarines Sur Province.  remarks:  

PI 504706  donor id: 9628.  origin: Philippines.  collector id: 27.  
other id: PCa Sur 84-7.  locality: Camarines Sur Province.  remarks:  
Culms tall, yellow green. Flowering. Rust, red spot, and red rot noted. Wild. Plant.

other id: PCa Sur 84-8.  locality: Camarines Sur Province.  remarks:  
Culms tall, yellow green to purple, waxy. Red rot and red spot noted. Wild. Plant.

other id: PCa Nor 84-1.  locality: Camarines Norte Province.  remarks:  
Culms yellow green with distinct wax band. Leaves broad. Rust, red rot, and red spot noted. Wild. Plant.

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other id: PCa Nor 84-2. locality: Camarines Norte Province. remarks: Culms yellow green. Leaves narrow. Red spot, red rot, and purple spot noted. Wild. Plant.

other id: PCa Nor 84-3. locality: Camarines Norte Province. remarks: Culms slender, bushy type, non-flowering. Leaves narrow. Red spot and red rot noted. Wild. Plant.

PI 504711 donor id: 9633. origin: Philippines. collector id: 32. 
other id: PCa Nor 84-4. locality: Camarines Norte Province. remarks: Culms tall, yellow green, waxy, slight trichomes. Flowering sparse. Red rot and red spot noted. Wild. Plant.

other id: PCa Nor 84-5. locality: Camarines Norte Province. remarks: Culms tall, large. Leaves broad. Red rot and rust noted. Wild. Plant.

PI 504713 donor id: 9635. origin: Philippines. collector id: 34. 
other id: PCa Nor 84-6. locality: Camarines Norte Province. remarks: Culms yellow green. Flowering early and profuse. Purple spot and red spot noted. Wild. Plant.

PI 504714 donor id: 9636. origin: Philippines. collector id: 35. 
other id: PCa Nor 84-7. locality: Camarines Norte Province. remarks: Culms brittle, yellow green. Leaves broad. Red spot and red rot noted. Wild. Plant.


PI 504716 donor id: 9640. origin: Philippines. collector id: 40. 

PI 504717 donor id: 9643. origin: Philippines. collector id: 43. 
PI 504696 to 504746-continued

PI 504718  donor id: 9644.  origin: Philippines.  collector id: 44.  
other id: PQ 84-8.  locality: Quezon Province.  remarks:  
Culms yellow green, waxy, heavy trichomes.  Flowering  
early and profuse.  Red rot and red spot noted.  Wild.  
Plant.

PI 504719  donor id: 9645.  origin: Philippines.  collector id: 45.  
other id: PQ 84-9.  locality: Quezon Province.  remarks:  
Culms short, yellow, heavy trichomes.  No flowers.  Red  
spot noted.  Wild.  Plant.

PI 504720  donor id: 9650.  origin: Philippines.  collector id: 86.  
other id: PCaV 84-3.  locality: Cavite Province.  
elevation: 55m.  remarks:  Culms tall, greenish yellow,  
waxy, moderate trichomes.  Non-flowering.  Yellow spot,  
red rot, and red spot noted.  Wild.  Plant.

other id: PCaV 84-5.  locality: Cavite Province.  
elevation: 20m.  remarks:  Culms medium tall.  Leaves  
narrow.  Flowering profuse.  Red spot, red rot, and yellow  
spot noted.  Wild.  Plant.

PI 504722  donor id: 9653.  origin: Philippines.  collector id: 89.  
other id: PCaV 84-6.  locality: Cavite Province.  
elevation: 60m.  remarks:  Culms short, large, yellow  
green.  Red spot and red rot noted.  Wild.  Plant.

PI 504723  donor id: 9654.  origin: Philippines.  collector id: 90.  
other id: PCaV 84-7.  locality: Cavite Province.  
elevation: 60m.  remarks:  Culms medium tall, open growth,  
yellow green, waxy.  Leaves narrow.  No flowers.  Red spot,  
red rot, and yellow spot noted.  Wild.  Plant.

PI 504724  donor id: 9657.  origin: Philippines.  collector id: 94.  
other id: PCaV 84-11.  locality: Cavite Province.  
elevation: 20m.  remarks:  Culms tall, greenish yellow,  
waxy, flagging stage.  Leaves very narrow.  Red spot, red  
rot, and rust noted.  Wild.  Plant.

other id: PCaV 84-12.  locality: Cavite Province.  
elevation: 20m.  remarks:  Culms tall, yellow green, waxy,  
moderate trichomes.  No flowers.  Red spot and red rot  
noted.  Wild.  Plant.

other id: PCaV 84-13.  locality: Cavite Province.  
elevation: 10m.  remarks:  Culms small, yellow green,  
slight trichomes, flagging stage.  Leaves narrow.  Red spot  
and rust noted.  Wild.  Plant.


PI 504732 donor id: 9671. origin: Philippines. collector id: 121. other id: PBg 84-5. locality: Batangas Province. elevation: 1270m. remarks: Culms short, yellow green. No flowers. Rust, red spot, and red rot noted. Wild. Plant.


other id: PPgn 84-5. locality: Pangasinan Province.
elevation: 60m. remarks: Culms tall, yellow green.
Leaves narrow. Flowering profuse. Red rot, red spot, and
yellow spot noted. Wild. Plant.

other id: PPgn 84-7. locality: Pangasinan Province.
elevation: 60m. remarks: Culms short, thin, yellow
green, no trichomes. Flowering sparse. Red spot and red
rot noted. Wild. Plant.

PI 504738 donor id: 9684. origin: Philippines. collector id: 137.
other id: PPgn 84-8. locality: Pangasinan Province.
elevation: 100m. remarks: Culms tall, large, yellow
green to greenish brown, waxy. No flowers. Red spot, red
rot, and yellow spot noted. Wild. Plant.

PI 504739 donor id: 9687. origin: Philippines. collector id: 140.
other id: PTar 84-1. locality: Tarlac Province.
elevation: 20m. remarks: Culms yellow green.
Non-flowering. Red spot and red rot noted. Wild. Plant.

PI 504740 donor id: 9688. origin: Philippines. collector id: 141.
other id: PTar 84-2. locality: Tarlac Province.
elevation: 20m. remarks: Culms medium tall, yellow green
to brownish, waxy. Flowering profuse. Red spot, red rot,
and rust noted. Wild. Plant.

other id: PLag 84-8. locality: Laguna Province.
elevation: 220m. remarks: Culms yellow green, waxy.
Flowering profuse. Red rot and red spot noted. Wild.
Plant.

other id: P-Dav 84-1. locality: Davao Province.
elevation: 10m. remarks: Culms medium sized. Collected
seed only. Sugarcane mosaic infected. Wild. Plant.

other id: P-Dav 84-3. locality: Davao Province.
elevation: 15m. remarks: Red rot and red spot noted.
Wild. Plant.

other id: P-Lan S-84-3. locality: Lanao del Sur Province.
elevation: 660m. remarks: Ring spot, red rot, and red spot noted. Wild. Plant.
PI 504745  donor id: 9714.  origin: Philippines.  collector id: 301.
other id: P-AgS-84-5.  locality: Agusan del Sur Province.
elevation: 120m.  remarks: Culms tall, thick, blooming. Flowering late. Red rot, rust, yellow spot, and leaf miner noted. Wild. Plant.

PI 504746  donor id: 9714.  origin: Philippines.  collector id: 301.
other id: P-AgS-84-5.  locality: Agusan del Sur Province.
elevation: 120m.  remarks: Culms tall, thick, blooming. Flowering late. Red rot, rust, yellow spot, and leaf miner noted. Wild. Plant.

PI 504747. Erianthus arundinaceus (Retz.) Jesw.  POACEAE

Donated by Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received through the 1981 India Collection of Saccharum Germplasm from North Bihar. Received September 1986.


PI 504748 to 504752. Erianthus bengalense (Retz.) Bharadw.  POACEAE

Donated by Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received through the 1981 India Collection of Saccharum Germplasm from North Bihar. Received September 1986.


PI 504751  donor id: 9750.  origin: India.  origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  origin institute id: IND-81-46.  collected: September 24, 1981.  locality: Dry ditches on roadside, 2km N of Pathri farm of Harinagar Sugar Mill Ltd.  remarks: Plants 1.8m tall, not in flower. Culms green. Leaves narrow, green, boat-shaped, tip drooping, 158cm long by 0.5cm wide. Midrib light green. Ligule extending up to 5cm in blade. received as: E. munja.  Wild.  Plant.


PI 504753 to 504756. Erianthus sp.  POACEAE

Donated by Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received through the 1981 India Collection of Saccharum Germplasm from North Bihar. Received September 1986.

PI 504754  donor id: 9761.  origin: India.  origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.

PI 504755  donor id: 9817.  origin: India.  origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.
origin institute id: IND-81-140.  collected: October 07, 1981.  locality: Extensive hedge, Khairi village, 2km N of Ramghadwa.  remarks: Isolated clumps. Plants very tall (6m), erect, about to flower. Culms very thick, green. Leaves long and broad, 200cm by 2.0cm. Ligule crescentiform. Wild. Plant.

PI 504756  donor id: 9841.  origin: India.  origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.

PI 504757.  Saccharum officinarum L.  POACEAE Sugarcane

Donated by Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received through the 1981 India Collection of Saccharum Germplasm from North Bihar. Received September 1986.

PI 504757  donor id: 9818.  origin: India.  origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.
PI 504758 to 504800. Saccharum spontaneum L. POACEAE

Donated by Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received through the 1981 India Collection of Saccharum Germplasm from North Bihar. Received September 1986.


PI 504758 to 504800—continued


PI 504765 donor id: 9732. origin: India. origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007. origin institute id: IND-81-23. collected: September 21, 1981. locality: Marshy edge of pond, Gaunaha village, 2km SE of Nepal border, NW of Narkatiaganj. remarks: Culms thin, erect, 1.2 to 1.5m tall. Panicles white, 22cm long. Wild. Plant.

PI 504766 donor id: 9747. origin: India. origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007. origin institute id: IND-81-43. collected: September 24, 1981. locality: Sandy bank of Sukhawda riverlet, Sevrahi Kutti village, 16km N of Harinagar. remarks: Plant about 0.6m tall. Culms zig zag, greenish yellow, with light wax bloom. Wax band distinct. Leaf 0.85m long, reduced to midrib, short blade stage. Panicles dense in whorls of 10-12 branches. Wild. Plant.

PI 504767 donor id: 9757. origin: India. origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007. origin institute id: IND-81-55. collected: September 25, 1981. locality: Marshy ditch of narrow forest belt, 1km N of Gobardana village. remarks: Culms tall 2.4-3.3m in isolated clumps with rooting at base, greenish with medium wax bloom. Leaves 129cm long and 1.1cm wide. Sheath with purple blotches. Panicles lax in whorls of 10 or more branches. Wild. Plant.

PI 504758 to 504800-continued


PI 504770  donor id: 9764. origin: India. origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007. origin institute id: IND-81-64. collected: September 27, 1981. locality: Bank of Dhobaga River, Dardari village. remarks: Culms very tall to 4.8m, very thick, greenish yellow, heavy wax bloom. Buds large, profuse, hairy. Root eyes present. Sheaths clasping loose, purple blotches. Panicle to 0.75m, very lax, long branches in whorls of 10 or more. Wild. Plant.


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PI 504777  donor id: 9781.  origin: India.  origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007. origin institute id: IND-81-86.  collected: September 30, 1981.  locality: Bank of Sikrana River, Goga village, 6km E of Chanpatia. remarks: Plant short 1.8m tall. Culms very thin, with heavy wax bloom. Leaves 90cm by 0.3cm. Panicles dense with 9cm long branches in whorls of 6-8. Wild. Plant.

PI 504778  donor id: 9790.  origin: India.  origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007. origin institute id: IND-81-100.  collected: October 02, 1981.  locality: Abandoned depressed brick kiln in paddy field, 0.5km SW of Basmanpur farm, Motihari Sugar factory, 15km NE of Motihari. remarks: Small clump. Culms thin. Leaf reduced to midrib. Collar hairs present. Panicles about 26cm long with alternate single branches. Wild. Plant.


PI 504782  donor id: 9800. origin: India. origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007. origin institute id: IND-81-118. collected: October 03, 1981. locality: Paddy field bund, Madhupur Madhu Malat, 13km SW of Motihari. remarks: Plant erect, 2.4-3m tall. Culms very thick with large pith and long internodes. Leaves 100cm by 0.7cm. Panicles lax with profuse alternate, non-whorl branching. Wild. Plant.


PI 504785  
donor id: 9809.  
origin: India.  
origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
origin institute id: IND-81-131.  
collected: October 06, 1981.  
locality: Roadside water ditch, Piprakoti village on Motihari- Muzzaffarpur road toward Chakia.  
remarks: Plant 3.6-4.2m tall. Culms thin, greenish yellow with long internodes. Leaves 100-120cm long, reduced to midrib. Panicles lax, 30cm long with 2-3 branches per joint. Spikelets black. Wild. Plant.

PI 504786  
donor id: 9815.  
origin: India.  
origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
origin institute id: IND-81-138.  
collected: October 07, 1981.  
locality: Dry roadside ditch, Ramghadeva, 16km W of Chakia.  
remarks: Plant 2.4m tall with short internodes. Leaves 85cm by 0.5cm. Panicle branches 10cm long in whorls of 4-5. Wild. Plant.

PI 504787  
donor id: 9819.  
origin: India.  
origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
origin institute id: IND-81-142.  
collected: October 07, 1981.  
locality: Standing water in paddy field, Madinapur village, 7km from Chakia.  
remarks: Plant 1.5-1.8m tall with narrow root zone. Culms green, turning purple on exposure. Leaves 60cm by 0.3cm. Panicles dense, 30cm long, 6cm wide branches in whorls of 8-9, light purple tinge. Wild. Plant.

PI 504788  
donor id: 9820.  
origin: India.  
origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
origin institute id: IND-81-143.  
collected: October 07, 1981.  
locality: Water level on bank of Gaudak Main Canal near Bakarpur (Kalyan) village.  

PI 504789  
donor id: 9822.  
origin: India.  
origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
origin institute id: IND-81-146.  
collected: October 07, 1981.  
locality: Waste water ditch, Barhawamanani village near Kalyanpur Kandak Canal bridge, 10km SW of Chakia.  
remarks: Plant 2.4-3m tall. Culms thick, green with large buds. Leaves 125cm by 1.2cm. Panicles lax, 35cm long with long hairs on peduncle. Wild. Plant.

PI 504791 donor id: 9830. origin: India. origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007. origin institute id: IND-81-157. collected: October 10, 1981. locality: Roadside ditch adjoining paddy field, Garwara village, 6km W of Rega factory. remarks: Plant 3-3.6m tall. Culms medium thick. Leaves 130cm by 0.5cm. Panicle very green and lax, 60cm long with long branches in whorls of 5-6. Wild. Plant.

PI 504792 donor id: 9834. origin: India. origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007. origin institute id: IND-81-161. collected: October 10, 1981. locality: Stagnant water ditch near the Bugmatic barrage, Rampur. remarks: Culms green, rooting at nodes. Leaves 65cm by 0.6cm. Panicle just emerged. Wild. Plant.

PI 504793 donor id: 9836. origin: India. origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007. origin institute id: IND-81-164. collected: October 10, 1981. locality: Moist field bunds, Maniari village, 18km W of factory. remarks: Culms green, zig zag. Leaves 58cm by 0.3cm. Panicle 30cm long, almost blown off. Wild. Plant.


PI 504797  donor id: 9843.  origin: India.  origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  origin institute id: IND-81-171.  collected: October 11, 1981.  locality: Clearing by side of rivulet, Gaighat, 30km S of Rega near a bridge.  remarks: Plant 5.4-6m tall. Culms thick, yellowish green, long internodes. Leaves 160cm by 0.9cm. Panicle dense but lax, branches in whorls of 8-10. Wild. Plant.

PI 504798  donor id: 9844.  origin: India.  origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  origin institute id: IND-81-172.  collected: October 11, 1981.  locality: Clearing by side of rivulet, Gaighat, 30km S of Rega near a bridge.  remarks: Plant 3.3-3.6m tall. Culms thick, greenish yellow, with 2 rows of root eyes. Leaves 165cm by 0.5cm. Panicles dense but open, pinkish-tinge, long branches (13cm) in whorls. Wild. Plant.

PI 504799  donor id: 9847.  origin: India.  origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  origin institute id: IND-81-177.  collected: October 11, 1981.  locality: Clearing by side of rivulet, Gaighat, 30km S of Rega near a bridge.  remarks: Plant of very short form, 1.5m tall, semi-open type. Culms thin, yellow, zig zag. Growth ring prominent. Leaves 80cm by 0.3cm. Flowering very early, fluff already blown off. Wild. Plant.
PI 504758 to 504800

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PI 504800

**donor id:** 9849.  
**origin:** India.  
**origin institute:** Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
**origin institute id:** IND-81-180.  
**collected:** October 11, 1981.  
**locality:** Forest clearing under trees and open space, Gaighat, 30km S of Rega near a bridge.  
**remarks:** Plant 4.5-5.4m tall. Culms medium thick with long internodes, tending toward zig zag. Root zone broad with 2 rows of eyes. Leaves 150cm by 1.2cm. Panicles dense, 60cm long, with 17cm branches in long, narrow angled in perfect whorls of 12-18, about 6cm apart. Wild. Plant.

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PI 504801. *Sclerostachya fusca* (Roxb.) A. Camus  
**POACEAE**

**Donated by** Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received through the 1981 India Collection of Saccharum Germplasm from North Bihar. Received September 1986.

**donor id:** 9763.  
**origin:** India.  
**origin institute:** Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
**origin institute id:** IND-81-63.  
**collected:** September 27, 1981.  
**locality:** On moist bund of ditch, Pathilar farm, Harinagar Sugar Mills, 41km SW of Harinagar.  
**remarks:** Plant short clump of about 1.5m in height. Culms green. Ligule deltoid. Upper fringe of leaf sheath hairy. Wild. Plant.

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PI 504802 to 504808. *Vetiveria* sp.  
**POACEAE**

**Donated by** Microbiology and Plant Pathology Lab., USDA-ARS, Beltsville, Maryland, United States. Received through the 1981 India Collection of Saccharum Germplasm from North Bihar. Received September 1986.

**donor id:** 9755.  
**origin:** India.  
**origin institute:** Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
**origin institute id:** IND-81-53.  
**collected:** September 25, 1981.  
**locality:** Marshy ditch in narrow forest belt, 1 km N of Gobardana village.  
**remarks:** Culms flat, thick. Wild. Plant.

**donor id:** 9756.  
**origin:** India.  
**origin institute:** Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
**origin institute id:** IND-81-54.  
**collected:** September 25, 1981.  
**locality:** Marshy ditch in narrow forest belt, 1 km N of Gobardana village.  
**remarks:** Culms flat, thin. Wild. Plant.
PI 504804  
donor id: 9772.  
origin: India.  
origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
origin institute id: IND-81-77.  
collected: September 30, 1981.  
locality: Sikrana River bank, Goga village, 6km E of Chanpatia.  

PI 504805  
donor id: 9774.  
origin: India.  
origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
origin institute id: IND-81-79.  
collected: September 30, 1981.  
locality: Sikrana River bank, Goga village, 6km E of Chanpatia.  

PI 504806  
donor id: 9784.  
origin: India.  
origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
origin institute id: IND-81-92.  
collected: October 02, 1981.  
locality: Abandoned depressed brick kiln in paddy field, 0.5km SW of Basmanpur farm, Motihari Sugar factory, 15km NE of Motihari.  

PI 504807  
donor id: 9785.  
origin: India.  
origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
origin institute id: IND-81-94.  
collected: October 02, 1981.  
locality: Abandoned depressed brick kiln in paddy field, 0.5km SW of Basmanpur farm, Motihari Sugar factory, 15km NE of Motihari.  

PI 504808  
donor id: 9786.  
origin: India.  
origin institute: Sugarcane Breeding Institute, ICAR, Coimbatore-641 007.  
origin institute id: IND-81-95.  
collected: October 02, 1981.  
locality: Abandoned depressed brick kiln in paddy field, 0.5km SW of Basmanpur farm, Motihari Sugar factory, 15km NE of Motihari.  

PI 504809. Capsicum annuum L.  
SOLANACEAE  
Pepper

Donated by Hibberd, A.M., Department of Primary Industries, Redlands Horticultural Research Station, P.O. Box 327, Cleveland, Queensland, Australia.  
Received October 03, 1986.
PI 504809-continued

PI 504809  donor id: 271-4.  origin: Australia.  pedigree: Selection from PI 271322.  remarks: Contains the following resistant genes: Bs1 for hypersensitive resistance to race 2 of spot, Bs3 for hypersensitive resistance to race 1 of spot, Bs4 for quantitatively assessed resistance to race 3 and concomitantly races 1 and 2 of spot.  disease resistance: Resistant to bacterial leaf spot and canker.  Breeding Material.  Seed.

PI 504810.  Hibiscus sabdariffa L.  MALVACEAE  Roselle

Donated by Marczell, P.J., International Trade Center/UNCTAD-GATT, 54-56, Rue de Montbrillant, CH-1202 Geneve, Switzerland.  Received October 1986.


PI 504811.  Annona scleroderma Saff.  ANNONACEAE

Donated by Rowe, P., Fundacion Hondurena de Investigacion Ag., P.O. Box 2067 San Pedro Sula, La Lima, Honduras.  Received October 1986.


PI 504812.  Glycine max (L.) Merr.  FABACEAE  Soybean

Donated by Kwon, S.H., Kyung-Hee University, Seoul, Republic of Korea.  Received November 1986.


PI 504813 to 504816.  Cucumis sativus L.  CUCURBITACEAE  Cucumber

Donated by VIR, Leningrad, Soviet Union.  Received November 1986.

PI 504814  donor id: VIR 2781.  origin: China, Peoples Repub of.  

PI 504815  donor id: VIR 2942.  origin: China, Peoples Repub of.  
cultivar: Jan-can-huan-gua.  disease resistance: Resistant to cucumber mosaic virus 2.  Cultivar.  Seed.

PI 504816  donor id: VIR 2990.  origin: China, Peoples Repub of.  

PI 504817 to 505058.  Avena sativa L.  POACEAE  Common oat

Donated by Rothman, P.G., USDA-ARS, Cereal Rust Laboratory,  
University of Minnesota, St. Paul, Minnesota, United States.  Lit.  

PI 504817  donor id: MN 860423.  origin: United States.  pedigree:  

PI 504818  donor id: MN 861773.  origin: United States.  pedigree:  

PI 504819  donor id: MN 862450.  origin: United States.  pedigree:  

PI 504820  donor id: MN 863426.  origin: United States.  pedigree:  

PI 504821  donor id: MN 863429.  origin: United States.  pedigree:  

PI 504822  donor id: MN 863430.  origin: United States.  pedigree:  


<table>
<thead>
<tr>
<th>Donor ID</th>
<th>Origin</th>
<th>Pedigree</th>
<th>Disease Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>MN 867927</td>
<td>United States</td>
<td>Froker/Dal/Amagalon/Marvellous</td>
<td>Highly resistant to crown rust. Highly resistant to stem rust. Seed.</td>
</tr>
<tr>
<td>MN 861774</td>
<td>United States</td>
<td>Amagalon/Black Mesdag/OT-184/PGR 9200</td>
<td>Moderately resistant to crown rust. Resistant to stem rust. Seed.</td>
</tr>
<tr>
<td>MN 862151</td>
<td>United States</td>
<td>Amagalon/Black Mesdag/OT-184/PGR 9200</td>
<td>Highly resistant to crown rust. Highly resistant to stem rust. Seed.</td>
</tr>
<tr>
<td>MN 863292</td>
<td>United States</td>
<td>Amagalon/Black Mesdag/OT-184/PGR 9200</td>
<td>Highly resistant to crown rust. Highly resistant to stem rust. Seed.</td>
</tr>
<tr>
<td>MN 867949</td>
<td>United States</td>
<td>Amagalon/Black Mesdag/OT-184/PGR 9200</td>
<td>Susceptible to stem rust. Highly resistant to crown rust. Seed.</td>
</tr>
<tr>
<td>MN 863524</td>
<td>United States</td>
<td>Nakerust selections</td>
<td>Nakerust selections. Highly resistant to crown rust. Highly resistant to stem rust. Seed.</td>
</tr>
</tbody>
</table>


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<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PI 504863</td>
<td>MN 861804</td>
<td>Amagalon//A. nuda/Marvellous.</td>
<td>Highly resistant to crown rust. Highly resistant to stem rust.</td>
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<tr>
<td>PI 504864</td>
<td>MN 861805</td>
<td>Amagalon//A. nuda/Marvellous.</td>
<td>Highly resistant to crown rust. Highly resistant to stem rust.</td>
<td></td>
</tr>
<tr>
<td>PI 504865</td>
<td>MN 862217</td>
<td>Amagalon//A. nuda/Marvellous.</td>
<td>Highly resistant to crown rust. Highly resistant to stem rust.</td>
<td></td>
</tr>
<tr>
<td>PI 504866</td>
<td>MN 863475B</td>
<td>Amagalon//A. nuda/Marvellous.</td>
<td>Highly resistant to crown rust. Highly resistant to stem rust.</td>
<td></td>
</tr>
<tr>
<td>PI 504867</td>
<td>MN 863481</td>
<td>Amagalon//A. nuda/Marvellous.</td>
<td>Highly resistant to crown rust. Highly resistant to stem rust.</td>
<td></td>
</tr>
<tr>
<td>PI 504868</td>
<td>MN 861776</td>
<td>Alpha/Amagalon/3/Amagalon//A. nuda/Marvellous.</td>
<td>Resistant to crown rust. Highly resistant to stem rust.</td>
<td></td>
</tr>
<tr>
<td>PI 504869</td>
<td>MN 862393</td>
<td>Alpha/Amagalon/3/Amagalon//A. nuda/Marvellous.</td>
<td>Resistant to crown rust. Highly resistant to stem rust.</td>
<td></td>
</tr>
<tr>
<td>PI 504870</td>
<td>MN 862394</td>
<td>Alpha/Amagalon/3/Amagalon//A. nuda/Marvellous.</td>
<td>Highly resistant to crown rust. Highly resistant to stem rust.</td>
<td></td>
</tr>
</tbody>
</table>


PI 504903  

PI 504904  

PI 504905  

PI 504906  

PI 504907  

PI 504908  

PI 504909  

PI 504910  

PI 504911  

PI 504912  
PI 504913  
**donor id:** MN 862135.  
**origin:** United States.  
**pedigree:**  
Lyon/NA-70//Amagalon.  
**disease resistance:** Highly resistant to crown rust. Highly resistant to stem rust.  
**Breeding Material. Seed.**

PI 504914  
**donor id:** MN 861784.  
**origin:** United States.  
**pedigree:**  
Ogle//A. abyssinica/2* AB101.  
**disease resistance:** Highly resistant to crown rust. Highly resistant to stem rust.  
**Breeding Material. Seed.**

PI 504915  
**donor id:** MN 862094.  
**origin:** United States.  
**pedigree:**  
Ogle//A. abyssinica/2* AB101.  
**disease resistance:** Resistant to crown rust. Resistant to stem rust.  
**Breeding Material. Seed.**

PI 504916  
**donor id:** MN 862676.  
**origin:** United States.  
**pedigree:**  
Lyon//Dal/NA-70/3/Don.  
**remarks:** Susceptible to stem rust.  
**disease resistance:** Resistant to crown rust.  
**Breeding Material. Seed.**

PI 504917  
**donor id:** MN 862678.  
**origin:** United States.  
**pedigree:**  
Lyon//Dal/NA-70/3/Don.  
**remarks:** Susceptible to stem rust.  
**disease resistance:** Resistant to crown rust.  
**Breeding Material. Seed.**

PI 504918  
**donor id:** MN 863713.  
**origin:** United States.  
**pedigree:**  
A. abyssinica/2* AB101/3/Amagalon/A. nuda//Amagalon.  
**disease resistance:** Highly resistant to crown rust. Highly resistant to stem rust.  
**Breeding Material. Seed.**

PI 504919  
**donor id:** MN 863718.  
**origin:** United States.  
**pedigree:**  
A. abyssinica/2* AB101/3/Amagalon/A. nuda//Amagalon.  
**disease resistance:** Highly resistant to crown rust. Highly resistant to stem rust.  
**Breeding Material. Seed.**

PI 504920  
**donor id:** MN 861228.  
**origin:** United States.  
**pedigree:**  
Delredsa #1//Alpha/Marvellous.  
**disease resistance:** Highly resistant to crown rust. Highly resistant to stem rust.  
**Breeding Material. Seed.**

PI 504921  
**donor id:** MN 861815.  
**origin:** United States.  
**pedigree:**  
Alpha/Amagalon.  
**disease resistance:** Highly resistant to crown rust. Highly resistant to stem rust.  
**Breeding Material. Seed.**

PI 504922  
**donor id:** MN 861821.  
**origin:** United States.  
**pedigree:**  
Alpha/Amagalon.  
**disease resistance:** Highly resistant to crown rust. Resistant to stem rust.  
**Breeding Material. Seed.**


PI 504817 to 505088-continued


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PI 505059. Pisum sativum subsp. elatius (Steven ex M. Bieb.) Asch. & Graebner FABACEAE Wild pea

Donated by ICARDA, P.O. Box 5466, Aleppo, Syria. Received October 1986.


PI 505060 to 505150. Pisum sativum L. subsp. sativum FABACEAE Garden pea

Donated by ICARDA, P.O. Box 5466, Aleppo, Syria. Received October 1986.


PI 505086 donor id: IFPI 78. origin: UNKNOWN. other id: ILCA 5046. source: ILCA, Addis Ababa, Ethiopia. other id: USC. source: University of Saskatchewan, Saskatoon, Canada. Seed.


PI 505106 donor id: IFPI 129. origin: UNKNOWN. other id: ILCA 5070. source: ILCA, Addis Ababa, Ethiopia. remarks: Received as Pisum arvense. Seed.


**PI 505060 to 505150-continued**

**PI 505115**
- **donor id:** IFPI 158.
- **origin:** Sweden.
- **other id:** ILCA 5080.
- **source:** ILCA, Addis Ababa, Ethiopia.
- **other id:** JI 378.
- **source:** John Innes Institute, Norwich, United Kingdom. Seed.

**PI 505116**
- **donor id:** IFPI 159.
- **origin:** Sweden.
- **other id:** ILCA 5081.
- **source:** ILCA, Addis Ababa, Ethiopia.
- **other id:** JI 380.
- **source:** John Innes Institute, Norwich, United Kingdom. Seed.

**PI 505117**
- **donor id:** IFPI 177.
- **origin:** Soviet Union.
- **other id:** ILCA 5082.
- **source:** ILCA, Addis Ababa, Ethiopia.
- **other id:** JI 734.
- **source:** John Innes Institute, Norwich, United Kingdom. Seed.

**PI 505118**
- **donor id:** IFPI 181.
- **origin:** United States.
- **other id:** ILCA 5083.
- **source:** ILCA, Addis Ababa, Ethiopia.
- **other id:** JI 753.
- **source:** John Innes Institute, Norwich, United Kingdom. Seed.

**PI 505119**
- **donor id:** IFPI 196.
- **origin:** Sweden.
- **other id:** ILCA 5084.
- **source:** ILCA, Addis Ababa, Ethiopia.
- **other id:** JI 14.
- **source:** John Innes Institute, Norwich, United Kingdom. Seed.

**PI 505120**
- **donor id:** IFPI 205.
- **origin:** Syria.
- **other id:** ILCA 5085.
- **source:** ILCA, Addis Ababa, Ethiopia. Seed.

**PI 505121**
- **donor id:** IFPI 424.
- **origin:** Ethiopia.
- **other id:** ILCA 5087.
- **source:** ILCA, Addis Ababa, Ethiopia.
- **other id:** JI 238.
- **source:** John Innes Institute, Norwich, United Kingdom. Seed.

**PI 505122**
- **donor id:** IFPI 1415.
- **origin:** Albania.
- **other id:** ILCA 5089.
- **source:** ILCA, Addis Ababa, Ethiopia.
- **other id:** MG 100420.
- **source:** Germplasm Institute, Bari, Italy. Seed.

**PI 505123**
- **donor id:** IFPI 1434.
- **origin:** UNKNOWN.
- **other id:** ILCA 5090.
- **source:** ILCA, Addis Ababa, Ethiopia.
- **other id:** MG 100440.
- **source:** Germplasm Institute, Bari, Italy. Seed.

**PI 505124**
- **donor id:** IFPI 1436.
- **origin:** UNKNOWN.
- **other id:** ILCA 5091.
- **source:** ILCA, Addis Ababa, Ethiopia.
- **other id:** MG 100451.
- **source:** Germplasm Institute, Bari, Italy. Seed.

**PI 505125**
- **donor id:** IFPI 1476.
- **origin:** UNKNOWN.
- **other id:** ILCA 5092.
- **source:** ILCA, Addis Ababa, Ethiopia.
- **other id:** MG 100539.
- **source:** Germplasm Institute, Bari, Italy. Seed.

**PI 505126**
- **donor id:** IFPI 1502.
- **origin:** UNKNOWN.
- **other id:** ILCA 5093.
- **source:** ILCA, Addis Ababa, Ethiopia.
- **other id:** MG 100565.
- **source:** Germplasm Institute, Bari, Italy. Seed.


PI 505132  donor id: IFPI 2036.  origin: UNKNOWN.  other id: ILCA 5100.  source: ILCA, Addis Ababa, Ethiopia.  other id: MG 101400.  source: Germplasm Institute, Bari, Italy.  remarks: Received as Pisum species.  Seed.

PI 505133  donor id: IFPI 2037.  origin: UNKNOWN.  other id: ILCA 5101.  source: ILCA, Addis Ababa, Ethiopia.  other id: MG 101401.  source: Germplasm Institute, Bari, Italy.  remarks: Received as Pisum species.  Seed.

PI 505134  donor id: IFPI 2124.  origin: UNKNOWN.  other id: ILCA 5102.  source: ILCA, Addis Ababa, Ethiopia.  other id: MG 101492.  source: Germplasm Institute, Bari, Italy.  remarks: Received as Pisum species.  Seed.

PI 505135  donor id: IFPI 2189.  origin: Ethiopia.  other id: ILCA 5103.  source: ILCA, Addis Ababa, Ethiopia.  other id: MG 101594.  source: Germplasm Institute, Bari, Italy.  remarks: Received as Pisum species.  Seed.

PI 505136  donor id: IFPI 2373.  origin: Ethiopia.  other id: ILCA 5104.  source: ILCA, Addis Ababa, Ethiopia.  other id: MG 101820.  source: Germplasm Institute, Bari, Italy.  remarks: Received as Pisum sativum arvense.  Seed.

PI 505137  donor id: IFPI 2428.  origin: Ethiopia.  other id: ILCA 5105.  source: ILCA, Addis Ababa, Ethiopia.  other id: MG 101876.  source: Germplasm Institute, Bari, Italy.  remarks: Received as Pisum sativum arvense.  Seed.
PI 505060 to 505150-continued

PI 505138

PI 505139

PI 505140

PI 505141

PI 505142
donor id: IFPI 3190. origin: India. other id: ILCA 5111. source: ILCA, Addis Ababa, Ethiopia. other id: MG 103067. source: Germplasm Institute, Bari, Italy. Seed.

PI 505143

PI 505144

PI 505145
donor id: IFPI 3201. origin: Iran. other id: ILCA 5116. source: ILCA, Addis Ababa, Ethiopia. other id: MG 104335. source: Germplasm Institute, Bari, Italy. remarks: Received as Pisum species. Seed.

PI 505146
donor id: IFPI 3202. origin: Iran. other id: ILCA 5117. source: ILCA, Addis Ababa, Ethiopia. other id: MG 104334. source: Germplasm Institute, Bari, Italy. remarks: Received as Pisum species. Seed.

PI 505147

PI 505148

PI 505149
donor id: IFPI 3208. origin: Afghanistan. other id: ILCA 5120. source: ILCA, Addis Ababa, Ethiopia. other id: MG 104325. source: Germplasm Institute, Bari, Italy. remarks: Received as Pisum species. Seed.

PI 505150
donor id: IFPI 3210. origin: UNKNOWN. Seed.
PI 505151. Glycine argyrea Tind. FABACEAE

Donated by Hymowitz, T., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Turner Hall, Urbana, Illinois, United States. Received October 20, 1986.


PI 505152 to 505160. Glycine canescens F. J. Herm. FABACEAE

Donated by Hymowitz, T., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Turner Hall, Urbana, Illinois, United States. Received October 20, 1986.


PI 505158  donor id: IL 671.  origin: Australia.  origin institute: CSIRO, Canberra.  origin institute id: G 1471.  collector: R. Pullen.  collector id: P16039.  locality: Jay Creek, 10km south of Stanley Chasm (which is 50km west of Alice Springs), Northern Territory.  remarks: Chromosome number 40.  Perennial.  Wild.  Seed.


PI 505161 to 505163. Glycine clandestina Wendl.  FABACEAE

Donated by Hymowitz, T., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Turner Hall, Urbana, Illinois, United States.  Received October 20, 1986.


PI 505164 to 505167. Glycine curvata Ined. FABACEAE

Donated by Hymowitz, T., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Turner Hall, Urbana, Illinois, United States. Received October 20, 1986.


PI 505168 to 505178. Glycine cyrtoloba Tind. FABACEAE

Donated by Hymowitz, T., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Turner Hall, Urbana, Illinois, United States. Received October 20, 1986.


PI 505168 to 505178-continued


PI 505179 to 505180. Glycine falcata Benth. FABACEAE

Donated by Hymowitz, T., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Turner Hall, Urbana, Illinois, United States. Received October 20, 1986.


PI 505181. Glycine latifolia (Benth.) C. Newell & Hymowitz FABACEAE

Donated by Hymowitz, T., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Turner Hall, Urbana, Illinois, United States. Received October 20, 1986.


PI 505182 to 505187. Glycine latrobeana (Meissner) Benth. FABACEAE

Donated by Hymowitz, T., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Turner Hall, Urbana, Illinois, United States. Received October 20, 1986.


|---------|--------------------------------------------------|

PI 505188 to 505200. 

Glycine tabacina (Labill.) Benth. FABACEAE

**Donated by** Hymowitz, T., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Turner Hall, Urbana, Illinois, United States. Received October 20, 1986.

|---------|--------------------------------------------------|
Donated by Hymowitz, T., Department of Agronomy, University of Illinois, 1102 South Goodwin Ave., Turner Hall, Urbana, Illinois, United States. Received October 20, 1986.


PI 505223 donor id: IL 710. origin: Australia. origin institute: CSIRO, Canberra. origin institute id: G 1763.


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PI 505248  
donor id: IL 744.  
origin: Australia.  
origin institute: CSIRO, Canberra.  
origin institute id: G 1773.  
collector: A. Brown, J. Grace, T. Hymowitz.  
collector id: BGH 0446.  
locality: 19km from Lynd Junction towards Greenvale, Queensland.  
remarks: Chromosome number 78.  
Perennial.  
Wild.  
Seed.

PI 505249  
donor id: IL 746.  
origin: Australia.  
origin institute: CSIRO, Canberra.  
origin institute id: G 1792.  
collector: A. Brown, J. Grace, T. Hymowitz.  
collector id: BGH 0467.  
locality: Horseshoe Bay, Magnetic Island, near drive-in theater, Queensland.  
remarks: Chromosome number 78.  
Perennial.  
Wild.  
Seed.

PI 505250  
donor id: IL 747.  
origin: Australia.  
origin institute: CSIRO, Canberra.  
origin institute id: G 1790.  
collector: A. Brown, J. Grace, T. Hymowitz.  
collector id: BGH 0465.  
locality: Reid River, 8.4km west of Deadmans Gully, Queensland.  
remarks: Chromosome number 78.  
Perennial.  
Wild.  
Seed.

PI 505251  
donor id: IL 748.  
origin: Australia.  
origin institute: CSIRO, Canberra.  
origin institute id: G 1813.  
collector: A. Brown, J. Grace, T. Hymowitz.  
collector id: BGH 0489B.  
locality: Gravel Pit, south of Dingo Beach, Queensland.  
Perennial.  
Wild.  
Seed.

PI 505252  
donor id: IL 749.  
origin: Australia.  
origin institute: CSIRO, Canberra.  
origin institute id: G 1777.  
collector: A. Brown, J. Grace, T. Hymowitz.  
collector id: BGH 0450.  
locality: Oasis Cafe and Petrol Stop, west of Lynd Junction, Queensland.  
Perennial.  
Wild.  
Seed.

PI 505253  
donor id: IL 750.  
origin: Australia.  
origin institute: CSIRO, Canberra.  
origin institute id: G 1744.  
collector: A. Brown, J. Grace, T. Hymowitz.  
collector id: BGH 0411.  
locality: Between False Pera Head and Aurukum via A. Morton, Comalco, Weipa, Queensland.  
Perennial.  
Wild.  
Seed.

PI 505254  
donor id: IL 751.  
origin: Australia.  
origin institute: CSIRO, Canberra.  
origin institute id: G 1760.  
collector: A. Brown, J. Grace, T. Hymowitz.  
collector id: BGH 0429.  
locality: Kunanda Railway Station, on bank in car park, Queensland.  
Perennial.  
Wild.  
Seed.

PI 505255  
donor id: IL 752.  
origin: Australia.  
origin institute: CSIRO, Canberra.  
origin institute id: G 1788.  
collector: A. Brown, J. Grace, T. Hymowitz.  
collector id: BGH 0451.  
locality: Einasleigh River, near Lyndhurst, Queensland.  
Perennial.  
Wild.  
Seed.
donor id: IL 753. origin: Australia. origin institute: CSIRO, Canberra. origin institute id: G 1817.

donor id: IL 754. origin: Australia. origin institute: CSIRO, Canberra. origin institute id: G 1795.


donor id: IL 758. origin: Australia. origin institute: CSIRO, Canberra. origin institute id: G 1801.

donor id: IL 759. origin: Australia. origin institute: CSIRO, Canberra. origin institute id: G 1797.
PI 505263  
**donor id:** IL 760.  
**origin:** Australia.  
**origin institute:** CSIRO, Canberra.  
**origin institute id:** G 1793.  
**collector:** A. Brown, J. Grace, T. Hymowitz.  
**collector id:** BGH 0468.  
**locality:** Top of hill above Horseshoe Bay, Magnetic Island, Queensland.  
**remarks:** Chromosome number 78. Perennial. Wild. Seed.

PI 505264  
**donor id:** IL 761.  
**origin:** Australia.  
**origin institute:** CSIRO, Canberra.  
**origin institute id:** G 1789.  
**collector:** A. Brown, J. Grace, T. Hymowitz.  
**collector id:** BGH 0464.  
**locality:** Spring Creek, 50km from Charters Towers, Queensland. Perennial. Wild. Seed.

PI 505265  
**donor id:** IL 763.  
**origin:** Australia.  
**origin institute:** CSIRO, Canberra.  
**origin institute id:** G 1759.  
**collector:** A. Brown, J. Grace, T. Hymowitz.  
**collector id:** BGH 0428.  
**locality:** South Mission Beach, east of Tuely, opposite Dunk Island, Queensland. Perennial. Wild. Seed.

PI 505266  
**donor id:** IL 764.  
**origin:** Australia.  
**origin institute:** CSIRO, Canberra.  
**origin institute id:** G 1758.  
**collector:** A. Brown, J. Grace, T. Hymowitz.  
**collector id:** BGH 0427.  
**locality:** Mary Creek, 48km north of Ingham, Queensland.  
**remarks:** Chromosome number 78. Perennial. Wild. Seed.

PI 505267  
**donor id:** IL 765.  
**origin:** Australia.  
**origin institute:** CSIRO, Canberra.  
**origin institute id:** G 1750.  
**collector:** A. Brown, J. Grace, T. Hymowitz.  
**collector id:** BGH 0419.  
**locality:** Aylen Hills, Portland Road, north of Lockhart River, Queensland. Perennial. Wild. Seed.

PI 505268  
**donor id:** IL 766.  
**origin:** Australia.  
**origin institute:** CSIRO, Canberra.  
**origin institute id:** G 1779.  
**collector:** A. Brown, J. Grace, T. Hymowitz.  
**collector id:** BGH 0452A.  
**locality:** 6.3km from Gum Swamp Bore, Queensland. Perennial. Wild. Seed.

PI 505269  
**donor id:** IL 767.  
**origin:** Australia.  
**origin institute:** CSIRO, Canberra.  
**origin institute id:** G 1802.  
**collector:** A. Brown, J. Grace, T. Hymowitz.  
**collector id:** BGH 0477.  
**locality:** Upstart Bay, Beach Mount Road, south of Ayr, Queensland. Perennial. Wild. Seed.

PI 505270  
**donor id:** IL 769.  
**origin:** Australia.  
**origin institute:** CSIRO, Canberra.  
**origin institute id:** G 1747.  
**collector:** A. Brown, J. Grace, T. Hymowitz.  
**collector id:** BGH 0415.  
**locality:** Between Running Creek and Along Creek, Weipa, Queensland. Perennial. Wild. Seed.


PI 505273  donor id: IL 772.  origin: Australia.  origin institute: CSIRO, Canberra.  origin institute id: G 1782.


PI 505275  donor id: IL 774.  origin: Australia.  origin institute: CSIRO, Canberra.  origin institute id: G 1791.


PI 505278  donor id: IL 786.  origin: Australia.  origin institute: CSIRO, Canberra.  origin institute id: G 1845.


PI 505305 to 505353. Lycopersicon lycopersicum (L.) Karsten SOLANACEAE Tomato

Donated by Holle, M., CIAT, Cali, Colombia. Received November 1986.

PI 505305 origin: Colombia. cultivar: 899-Chonto I. other id: Ames 2579. remarks: Originally from Ferry Morse, US. Cultivar. Seed.

PI 505306 origin: Colombia. cultivar: 900-Chonto II. other id: Ames 2580. remarks: Originally from Ferry Morse, US. Cultivar. Seed.


PI 505305 to 505353-continued

|------------|-------------------------------------------------------------------------------------------------------------------|

PI 505354 to 505357. Lycopersicon lycopersicum (L.) Karsten SOLANACEAE Tomato

**Donated by** U.S. Plant Introduction Station, 11601 George Palmer Highway, Glenn Dale, Maryland, United States. Received November 1986.

<table>
<thead>
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<td>PI 505356</td>
<td>donor id: B57136. origin: Colombia. other id: Ames 2681. Seed.</td>
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</table>

PI 505358 to 505408. Oryza sativa L. POACEAE Rice

**Donated by** Groth, D.E., Rice Research Station, Louisiana State University, P.O. Box 1429, Crowley, Louisiana, United States. Received November 18, 1986.

|------------|---------------------------------------------------------------------------------------------------------------|


PI 505358 to 505408-continued


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|---|---|

**PI 505409 to 505410. Lotus arenarius Brot. FABACEAE**

*Donated by* Rumbaugh, M.D., Forage and Range Research, USDA-ARS, Utah State University, Logan, Utah, United States. *Received October 1986.*

|---|---|
PI 505411. Trifolium cherleri L. FABACEAE

Donated by Rumbaugh, M.D., Forage and Range Research, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 1986.


PI 505412. Trifolium stellatum L. FABACEAE Star clover

Donated by Rumbaugh, M.D., Forage and Range Research, USDA-ARS, Utah State University, Logan, Utah, United States. Received October 1986.


PI 505413 to 505414. Medicago arabica (L.) Hudson FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.


PI 505415 to 505416. Medicago blancheana Boiss. FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.


PI 505417 to 505418. Medicago disciformis DC. FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.


PI 505419 to 505420. Medicago doliata Carmign. FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received.


PI 505421 to 505422. Medicago minima (L.) Bartal. FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.


PI 505423 to 505424. Medicago murex Willd. FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.


PI 505425 to 505426. Medicago orbicularis (L.) Bartal. FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.


PI 505427 to 505430. Medicago polymorpha L. FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.


PI 505431 to 505432. Medicago rigidula (L.) All. FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.


PI 505433 to 505434. Medicago scutellata (L.) Miller FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.
PI 505433 to 505434-continued

PI 505433  
donor id: 64.  
origin: Spain.  
other id: JR-14.  
Annual.  
Wild.  
Seed.

PI 505434  
origin: Spain.  
cultivar: Sava.  
other id: JR-25.  
Annual.  
Cultivar.  
Seed.

PI 505435 to 505436.  
Medicago tornata (L.) Miller  
FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.

PI 505435  
origin: Spain.  
cultivar: Saleg.  
other id: JR-22.  
Annual.  
Cultivar.  
Seed.

PI 505436  
origin: Spain.  
cultivar: Tornafield.  
other id: JR-27.  
Annual.  
Cultivar.  
Seed.

PI 505437 to 505438.  
Medicago truncatula Gaertner  
FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.

PI 505437  
donor id: 125.  
origin: Spain.  
other id: JR-28.  
Annual.  
Wild.  
Seed.

PI 505438  
donor id: 31-B.  
origin: Spain.  
other id: JR-32.  
Annual.  
Breeding Material.  
Seed.

PI 505439 to 505440.  
Medicago turbinata (L.) All.  
FABACEAE

Donated by Moreno, Victor, Servicio de Investigacion Agraria, Finca la Orden, Apartado 22, Badajoz, Spain. Received through M.D. Rumbaugh and D.A. Johnson (JR numbers) USDA-ARS, Utah State Univ., Logan, Utah. Received October 1986.

PI 505439  
donor id: FGM-66.  
origin: Spain.  
other id: JR-17.  
Annual.  
Breeding Material.  
Seed.

PI 505440  
donor id: 47.  
origin: Spain.  
other id: JR-26.  
Annual.  
Wild.  
Seed.
PI 505441 to 505490. Abelmoschus esculentus (L.) Moench MALVACEAE
Okra

Donated by Perret, P.M., IBPGR, AGP Division, FAO, Via delle Terme di Caracala, 00100 Rome, Italy; and Clement, I., ORSTOM, 70-74 Route d'Aulnay, 93140 Bondy, France. Received through IBPGR, Rome, Italy. Received August 19, 1983.


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PI 505472  
donor id: 98.  
origin: Burkina Faso.  
local name: Pore.  
collected: October 1981.  
collector id: 98.  
locality: Banou, Centre Province.  
remarks: Gourounssi tribe.  
Annual.  
Cultivated.  
Seed.

PI 505473  
donor id: 100.  
origin: Burkina Faso.  
local name: Pore.  
collected: October 1981.  
collector id: 100.  
locality: Gadourou, Centre Province.  
remarks: Gourounssi tribe.  
Annual.  
Cultivated.  
Seed.

PI 505474  
donor id: 104.  
origin: Burkina Faso.  
local name: Douswen.  
collected: October 1981.  
collector id: 104.  
locality: Koumbo, Centre Ouest Province.  
remarks: Gourounssi tribe.  
Annual.  
Cultivated.  
Seed.

PI 505475  
donor id: 119.  
origin: Burkina Faso.  
local name: Kounou.  
collected: October 1981.  
collector id: 119.  
locality: Biba, Volta Noire Province.  
remarks: Samo tribe.  
Annual.  
Cultivated.  
Seed.

PI 505476  
donor id: 120.  
origin: Burkina Faso.  
local name: Kon.  
collected: October 1981.  
collector id: 120.  
locality: Kouchiga, Volta Noire Province.  
remarks: Dafi tribe.  
Annual.  
Cultivated.  
Seed.

PI 505477  
donor id: 125.  
origin: Burkina Faso.  
local name: Mamia.  
collected: October 1981.  
collector id: 125.  
locality: Bonborokui, Volta Noire Province.  
remarks: Bobo tribe.  
Annual.  
Cultivated.  
Seed.

PI 505478  
donor id: 129.  
origin: Burkina Faso.  
local name: Kwon.  
collected: October 1981.  
collector id: 129.  
locality: Feuna, Volta Noire Province.  
remarks: Dafi tribe.  
Annual.  
Cultivated.  
Seed.

PI 505479  
donor id: 130.  
origin: Burkina Faso.  
local name: Maana.  
collected: October 1981.  
collector id: 130.  
locality: Badale, Volta Noire Province.  
remarks: Mossi tribe.  
Annual.  
Cultivated.  
Seed.


PI 505441 to 505490-continued


PI 505491. Arachis hypogaea L. FABACEAE Peanut

Donated by Perret, P.M., IBPGR, AGP Division, FAO, Via delle Terme di Caracalla, 00100 Rome, Italy; and Clement, I., ORSTOM, 70-74 Route d'Aulnay, 93140 Bondy, France. Received through IBPGR, Rome, Italy. Received August 19, 1983.


PI 505492 to 505550. Zea mays L. POACEAE Field corn

Donated by Perret, P.M., IBPGR, AGP Division, FAO, Via delle Terme di Caracalla, 00100 Rome, Italy; and Clement, I., ORSTOM, 70-74 Route d'Aulnay, 93140 Bondy, France. Received through IBPGR, Rome, Italy. Received August 19, 1983.

PI 505493  
**donor id:** 2.  
**origin:** Burkina Faso.  
**local name:** Kamana.  
**collected:** October 1981.  
**collector:** P.M. Perret, I. Clement, R. Zangre, D. Zongo, and A. Kere.  
**collector id:** 2.  
**locality:** Boulsa Kologinsum, Sahel Province.  
**remarks:** Mossi tribe. Annual. Cultivated. Seed.

PI 505494  
**donor id:** 4.  
**origin:** Burkina Faso.  
**local name:** Kamanda.  
**collected:** October 1981.  
**collector:** P.M. Perret, I. Clement, R. Zangre, D. Zongo, and A. Kere.  
**collector id:** 4.  
**locality:** From Pissila, 13km before Barsalogho, Sahel Province.  
**remarks:** Mossi tribe. Annual. Cultivated. Seed.

PI 505495  
**donor id:** 6.  
**origin:** Burkina Faso.  
**local name:** Kamana.  
**collected:** October 1981.  
**collector:** P.M. Perret, I. Clement, R. Zangre, D. Zongo, and A. Kere.  
**collector id:** 6.  
**locality:** Sompele, Centre Noire Province.  
**remarks:** Mossi tribe. Annual. Cultivated. Seed.

PI 505496  
**donor id:** 7.  
**origin:** Burkina Faso.  
**local name:** Kamana.  
**collected:** October 1981.  
**collector:** P.M. Perret, I. Clement, R. Zangre, D. Zongo, and A. Kere.  
**collector id:** 7.  
**locality:** Dablo, Centre Noire Province.  
**remarks:** Mossi tribe. Annual. Cultivated. Seed.

PI 505497  
**donor id:** 8.  
**origin:** Burkina Faso.  
**local name:** Kamande.  
**collected:** October 1981.  
**collector:** P.M. Perret, I. Clement, R. Zangre, D. Zongo, and A. Kere.  
**collector id:** 8.  
**remarks:** Mossi tribe. Annual. Cultivated. Seed.

PI 505498  
**donor id:** 10.  
**origin:** Burkina Faso.  
**local name:** Kamande.  
**collected:** October 1981.  
**collector:** P.M. Perret, I. Clement, R. Zangre, D. Zongo, and A. Kere.  
**collector id:** 10.  
**locality:** Sampelya, 35km after Dori, Sahel Province.  
**remarks:** Peuhl tribe. Annual. Cultivated. Seed.

PI 505499  
**donor id:** 11.  
**origin:** Burkina Faso.  
**local name:** Kamande.  
**collected:** October 1981.  
**collector:** P.M. Perret, I. Clement, R. Zangre, D. Zongo, and A. Kere.  
**collector id:** 11.  
**locality:** Sabba, 20km after Sampalya, Sahel Province.  
**remarks:** Peuhl tribe. Annual. Cultivated. Seed.

PI 505500  
**donor id:** 13.  
**origin:** Burkina Faso.  
**collected:** October 1981.  
**collector:** P.M. Perret, I. Clement, R. Zangre, D. Zongo, and A. Kere.  
**collector id:** 13.  
**locality:** Tonkogounadie, 20km after Sebba, Sahel Province.  
**remarks:** Annual. Cultivated. Seed.


PI 505509


PI 505510


PI 505511


PI 505512


PI 505513


PI 505514


PI 505515


PI 505516

PI 505517  
donor id: 66.  
origin: Burkina Faso.  
local name: Kokori.  
collected: October 1981.  
collector id: 66.  
locality: Bognade, 30km after Dargo, Est Province.  

PI 505518  
donor id: 70.  
origin: Burkina Faso.  
local name: Nayouri.  
collected: October 1981.  
collector id: 70.  
locality: Kantchari, Est Province.  

PI 505519  
donor id: 71.  
origin: Burkina Faso.  
local name: Maana.  
collected: October 1981.  
collector id: 71.  
locality: Nabougu, Est Province.  

PI 505520  
donor id: 76.  
origin: Burkina Faso.  
local name: Akokone.  
collected: October 1981.  
collector id: 76.  
locality: Martiakoali, Est Province.  

PI 505521  
donor id: 78.  
origin: Burkina Faso.  
local name: Akokona.  
collected: October 1981.  
collector id: 78.  
locality: Pama, Est Province.  

PI 505522  
donor id: 81.  
origin: Burkina Faso.  
local name: Kamana.  
collected: October 1981.  
collector id: 81.  
locality: Sangha, Centre Est Province.  

PI 505523  
donor id: 86.  
origin: Burkina Faso.  
local name: Kamana.  
collected: October 1981.  
collector id: 86.  
locality: Ouargaye, Centre Est Province.  

PI 505524  
donor id: 90.  
origin: Burkina Faso.  
local name: Kampara.  
collected: October 1981.  
collector id: 90.  
locality: Boussouma, Centre Est Province.  
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<th>Collection Date</th>
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<td>Burkina Faso</td>
<td>Seme</td>
<td>October 1981</td>
<td>P.M. Perret, I. Clement, R. Zangre, D. Zongo, and A. Kere.</td>
<td>111</td>
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</table>

**Remarks:**


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PI 505492 to 505550-continued


PI 505551 to 505567. Abelmoschus esculentus (L.) Moench MALVACEAE Okra

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.


PI 505551 to 505567-continued


PI 505551 to 505567-continued


PI 505568. Amaranthus hybridus L. AMARANTHACEAE

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.
PI 505568-continued


PI 505569 to 505570. Amaranthus sp. AMARANTHACEAE

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.


PI 505571 to 505583. Arachis hypogaea L. FABACEAE Peanut

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.


PI 505584 to 505595. Citrullus lanatus (Thunb.) Matsum. & Nakai
CUCURBITACEAE  Watermelon

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.


collector id: ZM/A 5386.  locality: Sinakasikili, 20km E of Maamba, Southern Province.  elevation: 450m.  Annual.  
Primitive Cultivar.  Seed.

collector id: ZM/A 5395.  locality: Maamba, 98km from Choma, Southern Province.  elevation: 540m.  Annual.  
Primitive Cultivar.  Seed.


PI 505596.  Cucumeropsis mannii Naud.  CUCURBITACEAE

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia.  Received through IBPGR, Rome, Italy.  Received February 1985.

collector id: ZM/A 5062.  locality: Kabuchi, 29km of North Mwinglunga to Nyakaseya, Northwestern Province.  

PI 505597 to 505603.  Cucumis melo L.  CUCURBITACEAE  Muskmelon

Donated by Atters, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia.  Received through IBPGR, Rome, Italy.  Received February 1985.

collector id: ZM/A 5019.  locality: Kabuka, 63km S Mwinilunga to Kamapanda, Northwestern Province.  
PI 505598  
**donor id:** ZM/A 5213.  **origin:** Zambia.  **collected:** June 19, 1984.  **collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5213.  **locality:** Munenge, 30km of North Zambezi to Chavuma, Northwestern Province.  
**latitude:** 13 deg. 16 min. S.  **longitude:** 23 deg. 04 min. E.  
**elevation:** 960m.  **Annual.**  **Primitive Cultivar. Seed.**

PI 505599  
**donor id:** ZM/A 5317.  **origin:** Zambia.  **collected:** June 26, 1984.  **collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5317.  **locality:** Lumbo, 114km from turnoff to Gwembe, Southern Province.  
**latitude:** 27 deg. 58 min. S.  **longitude:** 16 deg. 32 min. E.  
**elevation:** 510m.  **Annual.**  **Primitive Cultivar. Seed.**

PI 505600  
**donor id:** ZM/A 5364.  **origin:** Zambia.  **collected:** June 27, 1984.  **collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5364.  **locality:** Siamungala, 32km E of Choma to Maamba, Southern Province.  
**latitude:** 27 deg. 20 min. S.  **longitude:** 17 deg. 00 min. E.  
**elevation:** 980m.  **Annual.**  **Primitive Cultivar. Seed.**

PI 505601  
**donor id:** ZM/A 5370.  **origin:** Zambia.  **collected:** June 27, 1984.  **collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5370.  **locality:** Siamungala, 70km E of Choma to Maamba, Southern Province.  
**latitude:** 27 deg. 22 min. S.  **longitude:** 17 deg. 08 min. E.  
**elevation:** 550m.  **Annual.**  **Primitive Cultivar. Seed.**

PI 505602  
**donor id:** ZM/A 5384.  **origin:** Zambia.  **collected:** June 27, 1984.  **collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5384.  **locality:** Mkenga, 8km of Sinazeze to Sinazongwe, Southern Province.  
**latitude:** 27 deg. 28 min. S.  **longitude:** 17 deg. 15 min. E.  
**elevation:** 490m.  **Annual.**  **Primitive Cultivar. Seed.**

PI 505603  
**donor id:** ZM/A 5390.  **origin:** Zambia.  **collected:** June 27, 1984.  **collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5390.  **locality:** Maamba, 98km from Choma, Southern Province.  
**elevation:** 540m.  **Annual.**  **Primitive Cultivar. Seed.**

PI 505604. Cucumis sativus L.  **CUCURBITACEAE**  Cucumber

*Donated by* Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia.  Received through IBPGR, Rome, Italy.  Received February 1985.
PI 505604-continued


PI 505605 to 505613. Cucumis sp.  CUCURBITACEAE

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.


PI 505614 to 505632. Cucurbita maxima Duch. CUCURBITACEAE Winter squash

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.


PI 505614 to 505632-continued


PI 505633.  Cucurbita mixta Pang.  CUCURBITACEAE

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia.  Received through IBPGR, Rome, Italy.  Received February 1985.


PI 505634 to 505646.  Cucurbita moschata (Duch.) Duch. ex Poir.  CUCURBITACEAE

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia.  Received through IBPGR, Rome, Italy.  Received February 1985.


PI 505647 to 505650. Glycine max (L.) Merr. FABACEAE Soybean

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.


PI 505651 to 505653. Helianthus annuus L. ASTERACEAE Sunflower

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.


PI 505653 to 505653-continued


PI 505654 to 505656.  Lagenaria siceraria (Mol.) Standl.  CUCURBITACEAE

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia.  Received through IBPGR, Rome, Italy.  Received February 1985.


PI 505657.  Momordica peteri A. Zimmerm.  CUCURBITACEAE

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia.  Received through IBPGR, Rome, Italy.  Received February 1985.


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PI 505658 to 505663. Mucuna pruriens var. utilis (Wallich ex Wight) Baker ex Burck FABACEAE Velvetbean

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.


PI 505664 to 505668. Nicotiana tabacum L. SOLANACEAE Tobacco

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.

PI 505664

PI 505665

PI 505666

PI 505667

PI 505668

PI 505669 to 505691. Pennisetum glaucum (L.) R. Br. POACEAE Pearl millet

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.


collector id: ZM/A 5203.  locality: Sanjunog/Chavuma, 94km N of Zambezi, Northwestern Province.  
latitude: 13 deg. 04 min. S. longitude: 22 deg. 45 min. E.  
elevation: 960m.  received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.

collector id: ZM/A 5211.  locality: Sajungo/Chavuma, 94km N of Zambezi, Northwestern Province.  
latitude: 13 deg. 04 min. S. longitude: 22 deg. 45 min. E.  
elevation: 960m.  received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.

collector id: ZM/A 5255.  locality: Kalengwa, 60km S of Chizela, Northwestern Province.  
latitude: 13 deg. 32 min. S. longitude: 25 deg. 00 min. E.  
elevation: 1100m.  received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.

collector id: ZM/A 5278.  locality: Kariba Store, 27km from Siavonga to Lusaka, Southern Province.  
latitude: 28 deg. 45 min. S. longitude: 16 deg. 15 min. E.  
elevation: 430m.  remarks: Heads very long.  received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.

collector id: ZM/A 5280.  locality: Lusitu, 51km from Siavonga to Lusaka, Southern Province.  
latitude: 28 deg. 45 min. S. longitude: 16 deg. 15 min. E.  
elevation: 350m.  remarks: Sown October, harvested March.  received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.

collector id: ZM/A 5284.  locality: Mayumbo, 1 km from turn off to Gwembe, Southern Province.  
latitude: 28 deg. 45 min. S. longitude: 16 deg. 10 min. E.  
elevation: 370m.  remarks: Sown October.  received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.
locality: Halyabwanda, 14km from turn off to Gwembe, Southern Province.  latitude: 28 deg. 40 min. S.  
longitude: 16 deg. 12 min. E.  elevation: 390m.  
received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.

collector id: ZM/A 5294.  locality: Hambezyo, 27km from turn off to Gwembe, Southern Province.  latitude: 28 deg. 32 min. S.  
longitude: 16 deg. 20 min. E.  elevation: 420m.  received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.

collector id: ZM/A 5303.  locality: Chaanga, 47km from turn off to Gwembe, Southern Province.  latitude: 28 deg. 28 min. S.  
longitude: 16 deg. 20 min. E.  elevation: 490m.  received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.

collector id: ZM/A 5312.  locality: Nsalamunga, 83km from turn off to Gwembe, Southern Province.  latitude: 28 deg. 05 min. S.  
longitude: 16 deg. 30 min. E.  elevation: 510m.  received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.

collector id: ZM/A 5318.  locality: Lumbo, 114km from turn off to Gwembe, Southern Province.  latitude: 27 deg. 58 min. S.  
longitude: 16 deg. 32 min. E.  elevation: 510m.  received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.

collector id: ZM/A 5326.  locality: Siamchila, 133km from turn off to Gwembe, Southern Province.  latitude: 27 deg. 50 min. S.  
longitude: 16 deg. 42 min. E.  elevation: 640m.  received as: Pennisetum americanum.  Annual.  Primitive Cultivar.  Seed.
collector id: ZM/A 5338. locality: Chipepo, 28km from Munyumbwe, Southern Province. latitude: 27 deg. 50 min. S.
longitude: 16 deg. 50 min. E. elevation: 460m. received as: Pennisetum americanum. Annual. Primitive Cultivar. Seed.

collector id: ZM/A 5341. locality: Chipepo, 28km from Munyumbwe, Southern Province. latitude: 27 deg. 50 min. S.
longitude: 16 deg. 50 min. E. elevation: 460m. received as: Pennisetum americanum. Annual. Primitive Cultivar. Seed.

collector id: ZM/A 5371. locality: Siamungala, 70km E Choma to Maamba, Southern Province. latitude: 27 deg. 22
min. S. longitude: 17 deg. 08 min. E. elevation: 550m. received as: Pennisetum americanum. Annual. Primitive Cultivar. Seed.

collector id: ZM/A 5401. locality: Sinazeze, Southern Province. latitude: 27 deg. 25 min. S. longitude: 16
deg. 48 min. E. elevation: 0m. received as: Pennisetum americanum. Annual. Primitive Cultivar. Seed.

collector id: ZM/A 5406. locality: Sinakasikili, 20Km E to Maamba, Southern Province. elevation: 450m.
received as: Pennisetum americanum. Annual. Primitive Cultivar. Seed.

PI 505692 to 505746. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.
PI 505692

**donor id:** ZM/A 5006.  
**origin:** Zambia.  
**local name:** Nasa.  
**collected:** June 16, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**locality:** Kampemba Village, 9km S of Mwinilunga to Kamapanda, Northwestern Province.  
**latitude:** 11 deg. 42 min. S.  
**longitude:** 24 deg. 20 min. E.  
**elevation:** 1250m.  
**remarks:** Sown October, harvested June.  
Annual.  
Primitive Cultivar.  
Seed.

PI 505693

**donor id:** ZM/A 5022.  
**origin:** Zambia.  
**collected:** June 16, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**locality:** Kabuka, 63km S of Mwinilunga to Kamapanda, Northwestern Province.  
**latitude:** 11 deg. 54 min. S.  
**longitude:** 24 deg. 08 min. E.  
**elevation:** 1320m.  
Annual.  
Primitive Cultivar.  
Seed.

PI 505694

**donor id:** ZM/A 5033.  
**origin:** Zambia.  
**collected:** June 16, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**locality:** Kampapanda, 67km S of Mwinilunga, Northwestern Province.  
**latitude:** 11 deg. 58 min. S.  
**longitude:** 24 deg. 05 min. E.  
**elevation:** 1300m.  
Annual.  
Primitive Cultivar.  
Seed.

PI 505695

**donor id:** ZM/A 5050.  
**origin:** Zambia.  
**collected:** June 17, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**locality:** Kabuchi, 29km of North Mwinglunga to Nyakaseya, Northwestern Province.  
**latitude:** 11 deg. 35 min. S.  
**longitude:** 24 deg. 28 min. E.  
**elevation:** 1330m.  
**remarks:** Stalk sweet. Grain red.  
Annual.  
Primitive Cultivar.  
Seed.

PI 505696

**donor id:** ZM/A 5085.  
**origin:** Zambia.  
**collected:** June 17, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**locality:** Kalimoto, 69km of North Mwinglunga to Nyakaseya, Northwestern Province.  
**latitude:** 11 deg. 20 min. S.  
**longitude:** 24 deg. 15 min. E.  
**elevation:** 1290m.  
Annual.  
Primitive Cultivar.  
Seed.

PI 505697

**donor id:** ZM/A 5089.  
**origin:** Zambia.  
**collected:** June 17, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**locality:** Samahina, 79km N of Mwinilunga, Northwestern Province.  
**latitude:** 11 deg. 12 min. S.  
**longitude:** 24 deg. 15 min. E.  
**elevation:** 1180m.  
Annual.  
Primitive Cultivar.  
Seed.


PI 505692 to 505746-continued

PI 505719  
**donor id:** ZM/A 5292.  
**origin:** Zambia.  
**collected:** June 26, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5292.  
**locality:** Hambezyo, 27km from turn off to Gwembe, Southern Province.  
**latitude:** 28 deg. 32 min. S.  
**longitude:** 16 deg. 15 min. E.  
**elevation:** 420m.  
**annual.**  
**primitive cultivar.**  
**seed.**

PI 505720  
**donor id:** ZM/A 5293.  
**origin:** Zambia.  
**collected:** June 26, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5293.  
**locality:** Hambezyo, 27km from turn off to Gwembe, Southern Province.  
**latitude:** 28 deg. 32 min. S.  
**longitude:** 16 deg. 15 min. E.  
**elevation:** 420m.  
**annual.**  
**primitive cultivar.**  
**seed.**

PI 505721  
**donor id:** ZM/A 5295.  
**origin:** Zambia.  
**collected:** June 26, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5295.  
**locality:** Chaanga, 47km from turn off to Gwembe, Southern Province.  
**latitude:** 28 deg. 28 min. S.  
**longitude:** 16 deg. 20 min. E.  
**elevation:** 490m.  
**annual.**  
**primitive cultivar.**  
**seed.**

PI 505722  
**donor id:** ZM/A 5298.  
**origin:** Zambia.  
**collected:** June 26, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
** collector id:** ZM/A 5298.  
**locality:** Chaanga, 47km from turn off to Gwembe, Southern Province.  
**latitude:** 28 deg. 28 min. S.  
**longitude:** 16 deg. 20 min. E.  
**elevation:** 490m.  
**remarks:** Sown December, harvested May.  
**annual.**  
**primitive cultivar.**  
**seed.**

PI 505723  
**donor id:** ZM/A 5300.  
**origin:** Zambia.  
**collected:** June 26, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
** collector id:** ZM/A 5300.  
**locality:** Chaanga, 47km from turn off to Gwembe, Southern Province.  
**latitude:** 28 deg. 28 min. S.  
**longitude:** 16 deg. 20 min. E.  
**elevation:** 490m.  
**remarks:** Sown December, harvested May.  
**annual.**  
**primitive cultivar.**  
**seed.**

PI 505724  
**donor id:** ZM/A 5304.  
**origin:** Zambia.  
**collected:** June 26, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
** collector id:** ZM/A 5304.  
**locality:** Syamyoolo, 67km from turn off to Gwembe, Southern Province.  
**latitude:** 28 deg. 20 min. S.  
**longitude:** 16 deg. 25 min. E.  
**elevation:** 520m.  
**remarks:** Sown December-January.  
**annual.**  
**primitive cultivar.**  
**seed.**

PI 505725  
**donor id:** ZM/A 5309.  
**origin:** Zambia.  
**collected:** June 26, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
** collector id:** ZM/A 5309.  
**locality:** Nsalamunga, 83km from turn off to Gwembe, Southern Province.  
**latitude:** 28 deg. 05 min. S.  
**longitude:** 16 deg. 30 min. E.  
**elevation:** 510m.  
**remarks:** Sown November, harvested June.  
**annual.**  
**primitive cultivar.**  
**seed.**
  collector id: ZM/A 5311.  locality: Nsalamunga, 83km from turn off to Gwembe, Southern Province.  latitude: 28 deg. 05 min. S.  longitude: 16 deg. 30 min. E.  elevation: 510m. Annual. Primitive Cultivar. Seed.


PI 505747 to 505815. Zea mays L. POACEAE Field corn

Donated by Attere, A.F., IBPGR, Rome, Italy; and Mlongoti, G., Mount Makulu Research Station, Chilanga, Zambia. Received through IBPGR, Rome, Italy. Received February 1985.


collector id: ZM/A 5120. locality: Cibwika Dijimu, 65km 
to Mayinga (Kapompo), Northwestern Province. latitude: 
11 deg. 15 min. S. longitude: 24 deg. 15 min. E. 
elevation: 1130m. remarks: Sown November, harvested 

collector id: ZM/A 5125. locality: Chiwoma, 91km to 
Mayinga (Kapompo), Northwestern Province. latitude: 11 
deg. 20 min. S. longitude: 24 deg. 10 min. E. 
elevation: 1240m. remarks: Sown November, harvested May. 
Annual. Primitive Cultivar. Seed.

collector id: ZM/A 5127. locality: Chiwoma, 91km to 
Mayinga (Kapompo), Northwestern Province. latitude: 11 
deg. 20 min. S. longitude: 24 deg. 10 min. E. 

collector id: ZM/A 5132. locality: Chiwoma, 91km to 
Mayinga (Kapompo), Northwestern Province. latitude: 11 
deg. 20 min. S. longitude: 24 deg. 10 min. E. 

collector id: ZM/A 5134. locality: Chiwoma, 91km to 
Mayinga (Kapompo), Northwestern Province. latitude: 11 
deg. 20 min. S. longitude: 24 deg. 10 min. E. 

collector id: ZM/A 5139. locality: Kanzenzi, 119km to 
Mayinga (Kabompo), Northwestern Province. latitude: 11 
deg. 30 min. S. longitude: 24 deg. 10 min. E. 
elevation: 1130m. remarks: Sown October, harvested 

collector id: ZM/A 5146. locality: Mukoma, 160km to 
Mayinga (Kabompo), Northwestern Province. latitude: 11 
deg. 50 min. S. longitude: 24 deg. 15 min. E. 
elevation: 1050m. remarks: Sown November, harvested 
PI 505747 to 505815-continued

collector id: ZM/A 5155.  locality: Lunsongwa, 186km to Mayinga (Kabompo), Northwestern Province.  latitude: 11 deg. 02 min. S.  longitude: 24 deg. 10 min. E.  elevation: 1000m.  remarks: Sown October, harvested April/May.  Annual.  Primitive Cultivar.  Seed.


PI 505794  
**donor id:** ZM/A 5253.  
**origin:** Zambia.  
**collected:** June 20, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5253.  
**locality:** Kalengwa, 60km S of Chizela, Northwestern Province.  
**latitude:** 13 deg. 32 min. S.  
**longitude:** 25 deg. 00 min. E.  
**elevation:** 1100m.  
**Annual.**  
**Primitive Cultivar.**  
**Seed.**

PI 505795  
**donor id:** ZM/A 5257.  
**origin:** Zambia.  
**collected:** June 21, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5257.  
**locality:** Chibayambaya, 50km S of Kasempa to Kaoma, Northwestern Province.  
**latitude:** 13 deg. 35 min. S.  
**longitude:** 25 deg. 30 min. E.  
**elevation:** 1080m.  
**Annual.**  
**Primitive Cultivar.**  
**Seed.**

PI 505796  
**donor id:** ZM/A 5265.  
**origin:** Zambia.  
**collected:** June 21, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5265.  
**locality:** Kalomwangi, 155km S of Kasempa to Kaoma, Northwestern Province.  
**latitude:** 13 deg. 15 min. S.  
**longitude:** 24 deg. 54 min. E.  
**elevation:** 1070m.  
**remarks:** Sown November, harvested May.  
**Annual.**  
**Primitive Cultivar.**  
**Seed.**

PI 505797  
**donor id:** ZM/A 5266.  
**origin:** Zambia.  
**collected:** June 21, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5266.  
**locality:** Kalomwangi, 155km S of Kasempa to Kaoma, Northwestern Province.  
**latitude:** 14 deg. 15 min. S.  
**longitude:** 24 deg. 54 min. E.  
**elevation:** 1070m.  
**remarks:** Sown November, harvested May.  
**Annual.**  
**Primitive Cultivar.**  
**Seed.**

PI 505798  
**donor id:** ZM/A 5271.  
**origin:** Zambia.  
**collected:** June 21, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5271.  
**locality:** Kalomwangi, 155km S of Kasempa to Kaoma, Northwestern Province.  
**latitude:** 14 deg. 15 min. S.  
**longitude:** 24 deg. 54 min. E.  
**elevation:** 1070m.  
**remarks:** Sown November, harvested May.  
**Annual.**  
**Primitive Cultivar.**  
**Seed.**

PI 505799  
**donor id:** ZM/A 5281.  
**origin:** Zambia.  
**collected:** June 26, 1984.  
**collector:** A.F. Attere and G. Mlongoti.  
**collector id:** ZM/A 5281.  
**locality:** Lusitu, 51km from Siavonga to Lusaka, Southern Province.  
**latitude:** 28 deg. 45 min. S.  
**longitude:** 16 deg. 15 min. E.  
**elevation:** 350m.  
**remarks:** Sown October, harvested March.  
**Annual.**  
**Primitive Cultivar.**  
**Seed.**


PI 505816. Lycopersicon lycopersicum (L.) Karsten SOLANACEAE Tomato

Donated by VIR, Leningrad, USSR. Received November 18, 1986.


PI 505817 to 505818. Oryza sativa L. POACEAE Rice

Donated by Carnahan, H.L., Calif. Co-op. Rice Research Foundation, Inc., Rice Experiment Station, P.O. Box 306, Biggs, California, United States. Received December 31, 1986.


PI 505819. Triticum aestivum L. POACEAE Common wheat

Donated by Sorrells, M.E., Department of Plant Breeding, Cornell University, Ithaca, New York, United States. Received December 29, 1986.
PI 505819-continued


PI 505820.  X Agrotriticum sp.  POACEAE

Donated by Schaeffer, J.R., Department of Plant and Soil Science, Montana State University, Bozeman, Montana, United States. Received December 19, 1986.


PI 505821.  Beta lomatogona Fischer & C. Meyer  CHENOPODIACEAE

Donated by VIR, Leningrad, USSR. Received November 06, 1986.


PI 505822.  Beta macrorhiza Steven  CHENOPODIACEAE

Donated by VIR, Leningrad, USSR. Received November 06, 1986.


PI 505823 to 505824.  Beta trigyna Waldst. & Kit.  CHENOPODIACEAE

Donated by VIR, Leningrad, USSR. Received November 06, 1986.


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PI 505825 to 505830. Beta vulgaris L. subsp. vulgaris  
CHENOPODIACEAE  
Beet

Donated by VIR, Leningrad, USSR.  Received November 06, 1986.

PI 505825  
donor id: VIR-1442.  origin: Soviet Union.  

PI 505826  
donor id: VIR-1879.  origin: Soviet Union.  

PI 505827  
donor id: VIR-2085.  origin: Soviet Union.  

PI 505828  
donor id: VIR-2156.  origin: Soviet Union.  

PI 505829  
donor id: VIR-2261.  origin: Soviet Union.  

PI 505830  
donor id: VIR-2295.  origin: Soviet Union.  

PI 505831.  Dactylis glomerata L.  POACEAE  Orchardgrass

Donated by VIR, Leningrad, USSR.  Received November 06, 1986.

PI 505831  
donor id: VIR-36095.  origin: Soviet Union.  

PI 505832 to 505835.  Festuca arundinacea Schreber  
POACEAE  Tall fescue

Donated by VIR, Leningrad, USSR.  Received November 06, 1986.

PI 505832  
donor id: VIR-29487.  origin: Soviet Union.  

PI 505833  
donor id: VIR-38650.  origin: Soviet Union.  
Wild.  Seed.

PI 505834  
donor id: VIR-39582.  origin: Soviet Union.  

PI 505835  
donor id: VIR-44742.  origin: Soviet Union.  

PI 505836 to 505839.  Helianthus annuus L.  ASTERACEAE  Sunflower

Donated by VIR, Leningrad, USSR.  Received November 06, 1986.

PI 505836  
donor id: VIR-1941.  origin: Soviet Union.  
PI 505836 to 505839-continued


PI 505840 to 505843. Loliium perenne L.  POACEAE  Perennial ryegrass

Donated by  VIR, Leningrad, USSR.  Received November 06, 1986.


PI 505844 to 505848. Lupinus albus L.  FABACEAE  White lupine

Donated by  VIR, Leningrad, USSR.  Received November 06, 1986.


PI 505849 to 505856. Lupinus luteus L.  FABACEAE

Donated by  VIR, Leningrad, USSR.  Received November 06, 1986.
PI 505849 to 505856—continued


PI 505857. Medicago cancellata M. Bieb. FABACEAE

Donated by VIR, Leningrad, USSR. Received November 06, 1986.


PI 505858. Medicago sativa subsp. praefalcata (Sinsk.) Gunn FABACEAE

Donated by VIR, Leningrad, USSR. Received November 06, 1986.


PI 505859 to 505870. Medicago sativa L. FABACEAE Alfalfa

Donated by VIR, Leningrad, USSR. Received November 06, 1986.


PI 505871. *Medicago sativa* subsp. caerulea (Less. ex Ledeb.) Schmalh. FABACEAE

*Donated by* VIR, Leningrad, USSR. Received November 06, 1986.


PI 505872 to 505873. *Medicago sativa* subsp. falcata (L.) Arcang. FABACEAE Yellow-flowered alfalfa

*Donated by* VIR, Leningrad, USSR. Received November 06, 1986.

PI 505872 donor id: VIR-11766. origin: Soviet Union. locality: Rostov Region. received as: *Medicago quasifalcata*. Wild. Seed.

PI 505873 donor id: VIR-12437. origin: Soviet Union. locality: Lanov Region. received as: *Medicago borealis*. Wild. Seed.
PI 505874. Medicago sativa subsp. praefalcata (Sinsk.) Gunn FABACEAE

Donated by VIR, Leningrad, USSR. Received November 06, 1986.


PI 505875 to 505889. Medicago sativa nsubsp. varia (Martyn) Arcang. FABACEAE

Donated by VIR, Leningrad, USSR. Received November 06, 1986.


PI 505875 to 505889-continued


PI 505890.  Medicago sativa nsubsp. varia (Martyn) Arcang.  FABACEAE
Donated by VIR, Leningrad, USSR.  Received November 06, 1986.

PI 505891.  Onobrychis arenaria (Kit. ex Willd.) DC.  FABACEAE
Donated by VIR, Leningrad, USSR.  Received November 06, 1986.

PI 505892 to 505893.  Phalaris arundinacea L.  POACEAE  Reed canarygrass
Donated by VIR, Leningrad, USSR.  Received November 06, 1986.

PI 505894.  Phleum phleoides (L.) Karsten  POACEAE
Donated by VIR, Leningrad, USSR.  Received November 06, 1986.

PI 505895.  Phleum pratense L.  POACEAE  Timothy
Donated by VIR, Leningrad, USSR.  Received November 06, 1986.

PI 505896 to 505899.  Poa pratensis L.  POACEAE  Kentucky bluegrass
Donated by VIR, Leningrad, USSR.  Received November 06, 1986.
PI 505896 to 505899-continued


PI 505900 to 505922. Trifolium pratense L. FABACEAE Red clover

Donated by VIR, Leningrad, USSR. Received November 06, 1986.


PI 505900 to 505922-continued

PI 505913  donor id: VIR-37389.  origin: Soviet Union.  

PI 505914  donor id: VIR-38019.  origin: Soviet Union.  

PI 505915  donor id: VIR-38156.  origin: Soviet Union.  

PI 505916  donor id: VIR-38168.  origin: Soviet Union.  

PI 505917  donor id: VIR-38222.  origin: Soviet Union.  

PI 505918  donor id: VIR-38223.  origin: Soviet Union.  

PI 505919  donor id: VIR-38367.  origin: Soviet Union.  

PI 505920  donor id: VIR-38820.  origin: Soviet Union.  

PI 505921  donor id: VIR-39831.  origin: Soviet Union.  

PI 505922  donor id: VIR-41229.  origin: Soviet Union.  

PI 505923 to 505933.  Vicia sativa L.  FABACEAE Common vetch

Donated by  VIR, Leningrad, USSR.  Received November 06, 1986.

PI 505923  donor id: VIR-23970.  origin: Soviet Union.  

PI 505924  donor id: VIR-25783.  origin: Soviet Union.  

PI 505925  donor id: VIR-31221.  origin: Bulgaria.  

PI 505926  donor id: VIR-34283.  origin: Soviet Union.  
cultivar: Poltavskaja 78.  Cultivated.  Seed.

PI 505927  donor id: VIR-34394.  origin: Soviet Union.  

PI 505929 to 505933—continued


PI 505934.  Vicia villosa Roth  FABACEAE  Hairy vetch

Donated by  VIR, Leningrad, USSR.  Received November 06, 1986.


PI 505935.  Citrullus lanatus (Thunb.) Matsum. & Nakai  CUCURBITACEAE  Watermelon

Donated by  Lehman, W.F., Imperial Valley Agricultural Center, University of California, El Centro, California, United States.  Received November 1986.


PI 505936.  Cucumis melo L.  CUCURBITACEAE  Muskmelon

Donated by  Lehman, W.F., Imperial Valley Agricultural Center, University of California, El Centro, California, United States.  Received November 1986.


PI 505937 to 505939.  Salix alba L.  SALICACEAE  White willow

Donated by  Parfitt, R.I., Long Ashton Research Station, University of Bristol, Long Ashton, Bristol, England, United Kingdom.  Received December 1986.
PI 505937 to 505939-continued

PI 505937  
**origin:** United Kingdom.  
**cultivar:** Drakenburg.  
**other id:** Q-25427.  
Cultivar. Cutting.

PI 505938  
**origin:** United Kingdom.  
**cultivar:** Belders.  
**other id:** Q-25428.  
Cultivar. Cutting.

PI 505939  
**origin:** United Kingdom.  
**cultivar:** Rosewarne.  
**other id:** Q-25429.  
Cultivar. Cutting.

PI 505940.  
**Salix daphnoides Villars**  
**SALICACEAE**  
Daphne willow

Donated by Parfitt, R.I., Long Ashton Research Station, University of Bristol, Long Ashton, Bristol, England, United Kingdom.  
Received December 1986.

PI 505940  
**origin:** United Kingdom.  
**cultivar:** Oxford Violet.  
**other id:** Q-25434.  
Cultivar. Cutting.

PI 505941.  
**Salix hybrid**  
**SALICACEAE**

Donated by Parfitt, R.I., Long Ashton Research Station, University of Bristol, Long Ashton, Bristol, England, United Kingdom.  
Received December 1986.

PI 505941  
**origin:** United Kingdom.  
**cultivar:** Wantage Hall.  
**pedigree:** Salix alba/Salix alba var. calva.  
**other id:** Q-25430.  
**received as:** Salix alba coerulea.  
Cultivar. Cutting.

PI 505942 to 505944.  
**Salix purpurea L.**  
**SALICACEAE**  
Purple osier

Donated by Parfitt, R.I., Long Ashton Research Station, University of Bristol, Long Ashton, Bristol, England, United Kingdom.  
Received December 1986.

PI 505942  
**origin:** United Kingdom.  
**cultivar:** Dicky Meadows.  
**other id:** Q-25419.  
Cultivar. Cutting.

PI 505943  
**origin:** United Kingdom.  
**cultivar:** Green Dicks.  
**other id:** Q-25418.  
Cultivar. Cutting.

PI 505944  
**origin:** United Kingdom.  
**cultivar:** Helix.  
**other id:** Q-25417.  
Cultivar. Cutting.
PI 505945. Salix rigida Muhlenb. SALICACEAE

**Donated by** Parfitt, R.I., Long Ashton Research Station, University of Bristol, Long Ashton, Bristol, England, United Kingdom.
Received December 1986.

PI 505945 origin: United Kingdom. **cultivar**: American Mackay. 
**other id**: Q-25435. Cultivar. Cutting.

PI 505946 to 505951. Salix triandra L. SALICACEAE Almond willow

**Donated by** Parfitt, R.I., Long Ashton Research Station, University of Bristol, Long Ashton, Bristol, England, United Kingdom.
Received December 1986.


PI 505952. Salix x calodendron Wimmer SALICACEAE

**Donated by** Parfitt, R.I., Long Ashton Research Station, University of Bristol, Long Ashton, Bristol, England, United Kingdom.
Received December 1986.


PI 505953. Salix x dasyclados Wimmer SALICACEAE

**Donated by** Parfitt, R.I., Long Ashton Research Station, University of Bristol, Long Ashton, Bristol, England, United Kingdom.
Received December 1986.

PI 505953 origin: United Kingdom. **other id**: Q-25433. Cultivar. Cutting.
PI 505954. Salix x mollissima Ehrh. SALICACEAE

**Donated by** Parfitt, R.I., Long Ashton Research Station, University of Bristol, Long Ashton, Bristol, England, United Kingdom. Received December 1986.

PI 505954  **origin:** United Kingdom.  **cultivar:** Taylors Brown.  **other id:** Q-25426.  **received as:** Salix x mollissima var hippophaeifolia.  **Cultivar.** Cutting.

PI 505955. Salix x rubens Schrank SALICACEAE

**Donated by** Parfitt, R.I., Long Ashton Research Station, University of Bristol, Long Ashton, Bristol, England, United Kingdom. Received December 1986.

PI 505955  **origin:** United Kingdom.  **cultivar:** Hutchinson's Yellow.  **other id:** Q-25431.  **Cultivar.** Cutting.

PI 505956 to 505977. Arachis hypogaea L. FABACEAE Peanut

**Donated by** Sambiani, A.D., Direction de la Recherche Agronomique, (DRA), Lome, Togo; and Ghesquiere, A., ORSTOM, Lab. de Genetique, Centre d'Adiopodoume, Bolte Postal V-51, Abidjan, Ivory Coast; and Djaneye, T.B., Direction de la Recherche Agronomique, (DRA), Lome, Togo. Received through IBPGR, Rome, Italy Received March 1985.

PI 505956  **donor id:** GS21.  **origin:** Togo.  **local name:** Soumbeda.  **collected:** December 11, 1983.  **collector:** A. Ghesquiere and A.D. Sambiani.  **other id:** GS21.  **NAH 1-83.**  **locality:** Farmstore, Gouloungossi, 20km N of Cinkasse toward Ghana border, Tone Prefecture, Savanes Region.  **latitude:** 11 deg. 06 min. N.  **longitude:** 00 deg. 06 min. E.  **remarks:** Sown June, harvested August. Used for sauce, cake, oil. Annual. Primitive Cultivar. Seed.

PI 505957  **donor id:** GS22.  **origin:** Togo.  **local name:** Soumbalgo (Kombong).  **collected:** December 11, 1983.  **collector:** A. Ghesquiere and A.D. Sambiani.  **other id:** GS22.  **NAH 2-83.**  **locality:** Farmstore, Gouloungossi, 20km N of Cinkasse toward Ghana, Tone Prefecture, Savanes Region.  **latitude:** 11 deg. 06 min. N.  **longitude:** 00 deg. 06 min. E.  **remarks:** Sown June, harvested August. Annual. Primitive Cultivar. Seed.
PI 505958  donor id: GS74.  origin: Togo.  local name: Atinamaga.  
collected: December 12, 1983.  collector: A. Ghesquiere and A.D. Sambiani.  collector id: GS74.  other id: NAH 3-83.  
locality: Farmstore, Borgou, 51km E of Dapaong toward Mandouri, Tone Prefecture, Savanes Region.  
latitude: 10 deg. 45 min. N.  longitude: 00 deg. 35 min. E.  

PI 505959  donor id: GS126.  origin: Togo.  local name: Kombong.  
locality: Farmstore, Nioukpourma, 11km W of Dapaong toward Nano, Tone Prefecture, Savanes Region.  
latitude: 10 deg. 50 min. N.  longitude: 00 deg. 08 min. E.  

PI 505960  donor id: GS131.  origin: Togo.  local name: Kombong.  
locality: Farmstore, Barkoissi, 50km S of Dapaong toward Mango, Oti Prefecture, Savanes Region.  
latitude: 10 deg. 33 min. N.  longitude: 00 deg. 12 min. E.  

PI 505961  donor id: GS216.  origin: Togo.  local name: Akossinga.  
locality: Farmstore, Siou, 20km W of Kpagouda toward Kante, Doufelfgou Prefecture, Kara Region.  
latitude: 09 deg. 59 min. N.  longitude: 001 deg. 12 min. E.  

PI 505962  donor id: GS227.  origin: Togo.  local name: Feema.  
locality: Defale-Lao, 15km N of Niamtougou toward Kante, Doufelgou Prefecture, Kara Region.  
latitude: 09 deg. 55 min. N.  longitude: 001 deg. 05 min. E.  
PI 505956 to 505977-continued


PI 505974  
**donor id:** DS590. **origin:** Togo. **local name:** Moto.  
**collected:** March 07, 1984. **collector:** T.B. Djaneye and A.D. Sambiani. **collector id:** DS590. **other id:** MAH 3-84.  
**locality:** Farmstore, Aklakou, 16km NE of Aného toward Aveve, Lacs Prefecture, Maritime Region. **latitude:** 06 deg. 20 min. N. **longitude:** 001 deg. 43 min. E. **remarks:** Sown April, harvested June. Annual. Primitive Cultivar. Seed.

PI 505975  
**donor id:** DS596. **origin:** Togo. **local name:** Kouitondji.  
**collected:** March 07, 1984. **collector:** T.B. Djaneye and A.D. Sambiani. **collector id:** DS596. **other id:** MAH 4-84.  
**locality:** Farmstore, Anfoin, 11km N of Aného toward Tabligbo, Lacs Prefecture, Maritime Region. **latitude:** 06 deg. 20 min. N. **longitude:** 001 deg. 37 min. E. **remarks:** Sown April, harvested June. Annual. Primitive Cultivar. Seed.

PI 505976  
**donor id:** DS619. **origin:** Togo. **local name:** Azin.  
**collected:** March 10, 1984. **collector:** T.B. Djaneye and A.D. Sambiani. **collector id:** DS619. **other id:** MAH 7-84.  
**locality:** Farmstore, Sanguera, 20km NW of Lomé toward Kpalime, Golfe Prefecture, Maritime Region. **latitude:** 06 deg. 14 min. N. **longitude:** 001 deg. 06 min. E. **remarks:** Sown April, harvested June. Annual. Primitive Cultivar. Seed.

PI 505977  
**donor id:** DS623. **origin:** Togo. **local name:** Ajinkoukpe.  
**collected:** March 10, 1984. **collector:** T.B. Djaneye and A.D. Sambiani. **collector id:** DS623. **other id:** MAH 8-84.  
**locality:** Farmstore, Madjikpeto, 20km N of Lomé toward Mission-Tove, Golfe Prefecture, Maritime Region. **latitude:** 06 deg. 16 min. N. **longitude:** 001 deg. 08 min. E. **remarks:** Sown April, harvested June. Annual. Primitive Cultivar. Seed.

PI 505978 to 506009. Pennisetum glaucum (L.) R. Br. POACEAE Pearl millet

*Donated by* Sambiani, A.D., Direction de la Recherche Agronomique, (DRA), Lomé, Togo; and Ghesquiere, A., ORSTOM, Lab. de Genetique, Centre d'Adiopodoume, Bolte Postal V-51, Abidjan, Ivory Coast; and Djaneye, T.B., Direction de la Recherche Agronomique, (DRA), Lomé, Togo. Received through IBPGR, Rome, Italy. Received March 1985.
PI 505978  
**donor id:** GS06.  **origin:** Togo.  **local name:** Nada.  
**collected:** December 11, 1983.  **collector:** A. Ghesquiere and A.D. Sambiani.  
**collector id:** GS06.  **other id:** NPT 1-83.  **locality:** Farmstore, Gouloungossi, 20km NW of Cinkasse toward Ghana, Tone Prefecture, Savanes Region.  
**latitude:** 11 deg. 06 min. N.  **longitude:** 000 deg. 06 min. E.  
**remarks:** Sown May, harvested July. Used for paste or dough. Annual. Primitive Cultivar. Seed.

PI 505979  
**donor id:** GS07.  **origin:** Togo.  **local name:** Za-Sablega.  
**collected:** December 11, 1983.  **collector:** A. Ghesquiere and A.D. Sambiani.  
**collector id:** GS07.  **other id:** NPT 2-83.  **locality:** Farmstore, Gouloungossi, 20km NW of Cinkasse toward Ghana, Tone Prefecture, Savanes Region.  
**latitude:** 11 deg. 06 min. N.  **longitude:** 000 deg. 06 min. E.  
**remarks:** Sown May, harvested October. Used for paste or dough. Annual. Primitive Cultivar. Seed.

PI 505980  
**donor id:** GS08.  **origin:** Togo.  **local name:** Za-Pielga.  
**collected:** December 11, 1983.  **collector:** A. Ghesquiere and A.D. Sambiani.  
**collector id:** GS08.  **other id:** NPT 3-83.  **locality:** Farmstore, Gouloungossi, 20km NW of Cinkasse toward Ghana, Tone Prefecture, Savanes Region.  
**latitude:** 11 deg. 06 min. N.  **longitude:** 000 deg. 06 min. E.  
**remarks:** Sown May, harvested October. Used for paste or dough. Annual. Primitive Cultivar. Seed.

PI 505981  
**donor id:** GS09.  **origin:** Togo.  **local name:** Nada.  
**collected:** December 11, 1983.  **collector:** A. Ghesquiere and A.D. Sambiani.  
**collector id:** GS09.  **other id:** NPT 4-83.  **locality:** Farmstore, Gouloungossi, 20km NW of Cinkasse toward Ghana, Tone Prefecture, Savanes Region.  
**latitude:** 11 deg. 06 min. N.  **longitude:** 000 deg. 06 min. E.  
**remarks:** Sown May, harvested July. Annual. Primitive Cultivar. Seed.

PI 505982  
**donor id:** GS30.  **origin:** Togo.  **local name:** Kazoia Bissa.  
**collected:** December 11, 1983.  **collector:** A. Ghesquiere and A.D. Sambiani.  
**collector id:** GS30.  **other id:** NPT 5-83.  **locality:** Farmstore, Timbou, 24km N of Dapaong toward Burkina Faso, Tone Prefecture, Savanes Region.  
**latitude:** 11 deg. 58 min. N.  **longitude:** 000 deg. 07 min. E.  
**remarks:** Sown May, harvested October. Annual. Primitive Cultivar. Seed.


PI 505988  donor id: GS78.  origin: Togo.  local name: Gnari.  
collector id: GS78.  other id: NPT 11-83.  locality: Farmstore, Pana, 17km E of Dapaong toward Mandouri, Tone Prefecture, Savanes Region.  
latitude: 10 deg. 44 min. N.  longitude: 000 deg. 18 min. E.  

PI 505989  donor id: GS79.  origin: Togo.  local name: Yoyi.  
collector id: GS79.  other id: NPT 12-83.  locality: Farmstore, Pana, 17km E of Dapaong toward Mandouri, Tone Prefecture, Savanes Region.  
latitude: 10 deg. 44 min. N.  longitude: 000 deg. 18 min. E.  

PI 505990  donor id: GS123.  origin: Togo.  local name: Yoi.  
collector id: GS123.  other id: NPT 13-83.  locality: Farmstore, Nioukpourma, 11km W of Dapaong toward Nano, Tone Prefecture, Savanes Region.  
latitude: 10 deg. 50 min. N.  longitude: 000 deg. 08 min. E.  

PI 505991  donor id: GS124.  origin: Togo.  local name: Gnari.  
collector id: GS124.  other id: NPT 14-83.  locality: Farmstore, Nioukpourma, 11km W of Dapaong toward Nano, Tone Prefecture, Savanes Region.  
latitude: 10 deg. 50 min. N.  longitude: 000 deg. 08 min. E.  

PI 505992  donor id: GS130.  origin: Togo.  local name: Yoyi.  
collector id: GS130.  other id: NPT 16-83.  locality: Farmstore, Barkoissi, 50km S of Dapaong toward Mango, Oti Prefecture, Savanes Region.  
latitude: 10 deg. 33 min. N.  longitude: 000 deg. 12 min. E.  
PI 505993  donor id: GS153.  origin: Togo.  local name: Iyo.  
collected: December 14, 1983.  collector: A. Ghesquiere  
and A.D. Sambiani.  collector id: GS153.  other id: NPT  
17-83.  locality: Farmstore, Gando, 32km E of Mango  
toward Benin frontier, Oti Prefecture, Savanes Region.  
latitude: 10 deg. 20 min. N.  longitude: 000 deg. 45 min.  
E. remarks: Sown May, harvested October/November.  
Annual.  Primitive Cultivar.  Seed.

collected: December 14, 1983.  collector: A. Ghesquiere  
and A.D. Sambiani.  collector id: GS154.  other id: NPT  
18-83.  locality: Farmstore, Gando, 32km E of Mango  
toward Benin frontier, Oti Prefecture, Savanes Region.  
latitude: 10 deg. 20 min. N.  longitude: 000 deg. 45 min.  
E. remarks: Sown April, harvested June.  Annual.  
Primitive Cultivar.  Seed.

PI 505995  donor id: GS155.  origin: Togo.  local name: Ignanil.  
collected: December 14, 1983.  collector: A. Ghesquiere  
and A.D. Sambiani.  collector id: GS155.  other id: NPT  
19-83.  locality: Farmstore, Gando, 32km E of Mango  
toward Benin frontier, Oti Prefecture, Savanes Region.  
latitude: 10 deg. 20 min. N.  longitude: 000 deg. 45 min.  
E. remarks: Sown April, harvested July.  Annual.  
Primitive Cultivar.  Seed.

collected: December 14, 1983.  collector: A. Ghesquiere  
and A.D. Sambiani.  collector id: GS169.  other id: NPT  
20-83.  locality: Farmstore, Kadjalla, 19km S of Kante  
toward Sara-Kawa, Keran Prefecture, Kara Region.  
latitude: 09 deg. 48 min. N.  longitude: 000 deg. 58 min.  
E. Annual.  Primitive Cultivar.  Seed.

PI 505997  donor id: GS194.  origin: Togo.  local name: Agmade.  
collected: December 15, 1983.  collector: A. Ghesquiere  
and A.D. Sambiani.  collector id: GS194.  other id: NPT  
21-83.  locality: Farmstore, Koumerida, 26km NE of Kara  
toward Kpagouda, Binah Prefecture, Kara Region.  
latitude: 09 deg. 40 min. N.  longitude: 001 deg. 21 min.  
E. remarks: Sown April, harvested November.  Annual.  
Primitive Cultivar.  Seed.

PI 505998  donor id: GS213.  origin: Togo.  local name: Amala.  
collected: December 15, 1983.  collector: A. Ghesquiere  
and A.D. Sambiani.  collector id: GS213.  other id: NPT  
22-83.  locality: Farmstore, Kpagouda, 39km NE of Kara  
toward Siou, Binah Prefecture, Kara Region.  latitude: 09  
deg. 45 min. N.  longitude: 001 deg. 20 min.  E. remarks:  
Sown April/May, harvested November/December.  Annual.  
Primitive Cultivar.  Seed.


PI 506005  donor id: GS324.  origin: Togo.  local name: Amade.  

PI 506006  donor id: GS329.  origin: Togo.  local name: Iyo.  

PI 506007  donor id: GS343.  origin: Togo.  local name: Iyo.  

PI 506008  donor id: GS386.  origin: Togo.  local name: Adalla.  

PI 506009  donor id: GS396.  origin: Togo.  local name: Adalla.  

PI 506010 to 506131. Sorghum bicolor (L.) Moench  POACEAE  Sorghum

Donated by Sambiani, A.D., Direction de la Recherche Agronomique, (DRA), Lome, Togo; and Ghesquiere, A., ORSTOM, Lab. de Genetique, Centre d'Adiopodoume, Bolte Postal V-51, Abidjan, Ivory Coast; and Djaneye, T.B., Direction de la Recherche Agronomique, (DRA), Lome, Togo. Received through IBPGR, Rome, Italy Received March 1985.


PI 506020  donor id: GS39.  origin: Togo.  local name: Tchali.

PI 506021  donor id: GS40.  origin: Togo.  local name: Tchali.

PI 506022  donor id: GS41.  origin: Togo.  local name: Tchali.

PI 506023  donor id: GS50.  origin: Togo.  local name: Tchelouol.

PI 506024  donor id: GS51.  origin: Togo.  local name: Tchalpieni.


PI 506010 to 506131-continued


PI 506036  
donor id: GS108.  
origin: Togo.  
collected: December 13, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS108.  
other id: NSV 29-83.  
locality: Farmstore, Bogou, 29km S of Dapaong toward Mango, Oti Prefecture, Savanes Region.  
latitude: 10 deg. 39 min. N.  
longitude: 000 deg. 11 min. E.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506037  
donor id: GS109.  
origin: Togo.  
collected: December 13, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS109.  
other id: NSV 30-83.  
locality: Farmstore, Bogou, 29km S of Dapaong toward Mango, Oti Prefecture, Savanes Region.  
latitude: 10 deg. 39 min. N.  
longitude: 000 deg. 11 min. E.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506038  
donor id: GS116.  
origin: Togo.  
local name: Dimontongh.  
collected: December 13, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS116.  
other id: NSV 31-83.  
locality: Farmstore, Nioukpourma, 11km W of Dapaong toward Nano, Tone Prefecture, Savanes Region.  
latitude: 10 deg. 50 min. N.  
longitude: 000 deg. 08 min. E.  
remarks: Sown April, harvested July/August.  
Used for dough and dysentery.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506039  
donor id: GS117.  
origin: Togo.  
local name: Belko.  
collected: December 13, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS117.  
other id: NSV 32-83.  
locality: Farmstore, Nioukpourma, 11km W of Dapaong toward Nano, Tone Prefecture, Savanes Region.  
latitude: 10 deg. 50 min. N.  
longitude: 000 deg. 08 min. E.  
remarks: Sown April, harvested July.  
Used for dough and beer.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506040  
donor id: GS127.  
origin: Togo.  
local name: Mougldi.  
collected: December 14, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS127.  
other id: NSV 33-83.  
locality: Farmstore, Barkoissi, 50km S of Dapaong toward Mango, Oti Prefecture, Savanes Region.  
latitude: 10 deg. 33 min. N.  
longitude: 000 deg. 12 min. E.  
remarks: Sown May, harvested October.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506041  
donor id: GS128.  
origin: Togo.  
local name: Cancakman.  
collected: December 14, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS128.  
other id: NSV 34-83.  
locality: Farmstore, Barkoissi, 50km S of Dapaong toward Mango, Oti Prefecture, Savanes Region.  
latitude: 10 deg. 33 min. N.  
longitude: 000 deg. 12 min. E.  
remarks: Sown May, harvested August.  
Used for cane sugar.  
Annual.  
Primitive Cultivar.  
Seed.


PI 506083  
donor id: GS299.  
origin: Togo.  
local name: Ngani-Fofoe.  
collected: December 17, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS299.  
other id: NSV 73A-83.  
locality: Farmstore, Katchamba, 33km NW of Guerin-Kouka toward Mango, Bassar Prefecture, Kara Region.  
latitude: 09 deg. 53 min. N.  
longitude: 000 deg. 31 min. E.  
remarks: Sown July, harvested November.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506084  
donor id: GS300.  
origin: Togo.  
local name: Idisson.  
collected: December 17, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS300.  
other id: NSV 73B-83.  
locality: Farmstore, Katchamba, 33km NW of Guerin-Kouka toward Mango, Bassar Prefecture, Kara Region.  
latitude: 09 deg. 53 min. N.  
longitude: 000 deg. 31 min. E.  
remarks: Sown July, harvested November.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506085  
donor id: GS312.  
origin: Togo.  
local name: Djakper.  
collected: December 17, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS312.  
other id: NSV 74-83.  
locality: Farmstore, Kidjaboun, 19km NW of Guerin-Kouka towards Mango, Bassar Prefecture, Kara Region.  
latitude: 09 deg. 47 min. N.  
longitude: 000 deg. 28 min. E.  
remarks: Sown May/June, harvested December.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506086  
donor id: GS313.  
origin: Togo.  
local name: Kidiman.  
collected: December 17, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS313.  
other id: NSV 75-83.  
locality: Farmstore, Kidjaboun, 19km NW of Guerin-Kouka toward Mango, Bassar Prefecture, Kara Region.  
latitude: 09 deg. 47 min. N.  
longitude: 000 deg. 28 min. E.  
remarks: Sown May, harvested November.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506087  
donor id: GS314.  
origin: Togo.  
local name: Djapola.  
collected: December 17, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS314.  
other id: NSV 76-83.  
locality: Farmstore, Kidjaboun, 19km NW of Guerin-Kouka towards Mango, Bassar Prefecture, Kara Region.  
latitude: 09 deg. 47 min. N.  
longitude: 000 deg. 28 min. E.  
remarks: Sown July, harvested October.  
Annual.  
Primitive Cultivar.  
Seed.
PI 506088  donor id: GS315.  origin: Togo.  local name: Doting.  

PI 506089  donor id: GS319.  origin: Togo.  local name: Tchalinga.  

PI 506090  donor id: GS320.  origin: Togo.  local name: Kpishang.  

PI 506091  donor id: GS321.  origin: Togo.  local name: Kpishang.  

PI 506092  donor id: GS322.  origin: Togo.  local name: Aminan (Jaune).  

PI 506093  donor id: GS323.  origin: Togo.  local name: Aminan (Blanc).  
PI 506094  
donor id: GS326.  
origin: Togo.  
local name: Idipin.  
collected: December 17, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS326.  
other id: NSV 82-83.  
locality: Farmstore, Kabou, 22km N of Bassar toward Guerin-Kouka, Bassar Prefecture, Kara Region.  
latitude: 09 deg. 28 min. N.  
longitude: 000 deg. 48 min. E.  

PI 506095  
donor id: GS327.  
origin: Togo.  
local name: Idiman.  
collected: December 17, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS327.  
other id: NSV 83-83.  
locality: Farmstore, Kabou, 22km N of Bassar toward Guerin-Kouka, Bassar Prefecture, Kara Region.  
latitude: 09 deg. 28 min. N.  
longitude: 000 deg. 48 min. E.  

PI 506096  
donor id: GS328.  
origin: Togo.  
local name: Digmakou-Tountounde.  
collected: December 17, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS328.  
other id: NSV 84-83.  
locality: Farmstore, Kabou, 22km N of Bassar toward Guerin-Kouka, Bassar Prefecture, Kara Region.  
latitude: 09 deg. 28 min. N.  
longitude: 000 deg. 48 min. E.  

PI 506097  
donor id: GS341.  
origin: Togo.  
local name: Gmacoupin.  
collected: December 18, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS341.  
other id: NSV 85-83.  
locality: Farmstore, Bidjabe, 18km W of Bassar toward Ghana, Bassar Prefecture, Kara Region.  
latitude: 09 deg. 19 min. N.  
longitude: 000 deg. 35 min. E.  

PI 506098  
donor id: GS342.  
origin: Togo.  
local name: Gmacouman.  
collected: December 18, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS342.  
other id: NSV 86-83.  
locality: Farmstore, Bidjabe, 18km W of Bassar toward Ghana, Bassar Prefecture, Kara Region.  
latitude: 09 deg. 19 min. N.  
longitude: 000 deg. 35 min. E.  

PI 506099  
donor id: GS347.  
origin: Togo.  
local name: Milzende.  
collected: December 18, 1983.  
collector: A. Ghesquiere and A.D. Sambiani.  
collector id: GS347.  
other id: NSV 87-83.  
locality: Farmstore, Binako, 20km S of Bassar toward Sokode, Bassar Prefecture, Kara Region.  
latitude: 09 deg. 11 min. N.  
longitude: 000 deg. 53 min. E.  


PI 50610 to 506131-continued


PI 506110
**donor id:** DS424.  **origin:** Togo.  **local name:** Tchakparou.  
**collected:** January 31, 1984.  **collector:** T.B. Djaneye and A.D. Sambiani.  **collector id:** DS424.  **other id:** PSV 3-84.  
**locality:** Farmstore, Kpehoun, 15km N of Atakpame toward Anie, Ogou Prefecture, Plateaux Region.  **latitude:** 07 deg. 41 min. N.  **longitude:** 001 deg. 11 min. E.  **remarks:** Sown June, harvested August.  **Annual.**  **Primitive Cultivar.**  **Seed.**

PI 506111
**donor id:** DS426.  **origin:** Togo.  **local name:** Boba.  
**collected:** January 31, 1984.  **collector:** T.B. Djaneye and A.D. Sambiani.  **collector id:** DS426.  **other id:** PSV 4B-84.  
**locality:** Farmstore, Kpehoun, 15km N of Atakpame toward Anie, Ogou Prefecture, Plateaux Region.  **latitude:** 07 deg. 41 min. N.  **longitude:** 001 deg. 11 min. E.  **remarks:** Sown June, harvested August.  **Annual.**  **Primitive Cultivar.**  **Seed.**

PI 506112
**donor id:** DS427.  **origin:** Togo.  **local name:** Boba.  
**collected:** January 31, 1984.  **collector:** T.B. Djaneye and A.D. Sambiani.  **collector id:** DS427.  **other id:** PSV 4C-84.  
**locality:** Farmstore, Kpehoun, 15km N of Atakpame toward Anie, Ogou Prefecture, Plateaux Region.  **latitude:** 07 deg. 41 min. N.  **longitude:** 001 deg. 11 min. E.  **remarks:** Sown June, harvested August.  **Annual.**  **Primitive Cultivar.**  **Seed.**

PI 506113
**donor id:** DS433.  **origin:** Togo.  **local name:** Kpishan.  
**collected:** January 31, 1984.  **collector:** T.B. Djaneye and A.D. Sambiani.  **collector id:** DS433.  **other id:** PSV 5-84.  
**locality:** Farmstore, Kolocope, 12km E of Anie toward Elavagnon, Ogou Prefecture, Plateaux Region.  **latitude:** 07 deg. 48 min. N.  **longitude:** 001 deg. 17 min. E.  **remarks:** Sown June, harvested November/December.  **Annual.**  **Primitive Cultivar.**  **Seed.**

PI 506114
**donor id:** DS434.  **origin:** Togo.  **local name:** Kwete-Mila.  
**collected:** January 31, 1984.  **collector:** T.B. Djaneye and A.D. Sambiani.  **collector id:** DS434.  **other id:** PSV 6-84.  
**locality:** Farmstore, Kolocope, 12km E of Anie toward Elavagnon, Ogou Prefecture, Plateaux Region.  **latitude:** 07 deg. 48 min. N.  **longitude:** 001 deg. 17 min. E.  **remarks:** Sown June, harvested December.  **Annual.**  **Primitive Cultivar.**  **Seed.**

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PI 506132 to 506218. Zea mays L. POACEAE Field corn

Donated by Sambiani, A.D., Direction de la Recherche Agronomique, (DRA), Lome, Togo; and Ghesquiere, A., ORSTOM, Lab. de Genetique, Centre d'Adiopodoume, Bole Postal V-51, Abidjan, Ivory Coast; and Djaneye, T.B., Direction de la Recherche Agronomique, (DRA), Lome, Togo. Received through IBPGR, Rome, Italy. Received March 1985.


PI 506135  donor id: GS32.  origin: Togo.  local name: Kamana.  
collector id: GS32.  other id: NZM 4-83.  locality: Farmstore, Timbou, 24km N of Dapaong toward Burkino Faso, Tone Prefecture, Savanes Region.  
latitude: 11 deg. 58 min. N.  longitude: 000 deg. 07 min.  
Primitive Cultivar.  Seed.

PI 506136  donor id: GS33.  origin: Togo.  local name: Kamana.  
collector id: GS33.  other id: NZM 5-83.  locality: Farmstore, Timbou, 24km N of Dapaong toward Burkino Faso, Tone Prefecture, Savanes Region.  
latitude: 11 deg. 58 min. N.  longitude: 000 deg. 07 min.  
Primitive Cultivar.  Seed.

PI 506137  donor id: GS34.  origin: Togo.  local name: Kamana.  
collector id: GS34.  other id: NZM 6-83.  locality: Farmstore, Timbou, 24km N of Dapaong toward Burkino Faso, Tone Prefecture, Savanes Region.  
latitude: 11 deg. 58 min. N.  longitude: 000 deg. 07 min.  
E. remarks: Sown April, harvested June.  Annual. 
Primitive Cultivar.  Seed.

PI 506138  donor id: GS49.  origin: Togo.  local name: Kpabredjak.  
collector id: GS49.  other id: NZM 7-83.  locality: Farmstore, Mandouri, 85km E of Dapaong toward Benin, Tone Prefecture, Savanes Region.  
latitude: 10 deg. 50 min. N.  longitude: 000 deg. 49 min.  
E. remarks: Sown April/May, harvested June/July. Used uncooked and for dough, beer.  Annual. 
Primitive Cultivar.  Seed.

PI 506139  donor id: GS88.  origin: Togo.  local name: Kpabd'djak.  
collector id: GS88.  other id: NZM 8-83.  locality: Farmstore, Pana, 17km E of Dapaong toward Mandouri, Tone Prefecture, Savanes Region.  
latitude: 10 deg. 44 min. N.  longitude: 000 deg. 18 min.  
Primitive Cultivar.  Seed.


PI 506162  donor id: GS369.  origin: Togo.  local name: Bankane.  
collector id: GS369.  other id: NZM 31-83.  locality: Farmstore, Dantcho, 9km E of Tchamba toward Benin, Nyala Prefecture, Centre Region.  
latitude: 09 deg. 00 min. N.  longitude: 001 deg. 29 min. E.  

PI 506163  donor id: GS370.  origin: Togo.  local name: Adjipoe.  
collector id: GS370.  other id: NZM 32-83.  locality: Farmstore, Dantcho, 9km E of Tchamba toward Benin, Nyala Prefecture, Centre Region.  
latitude: 09 deg. 00 min. N.  longitude: 001 deg. 29 min. E.  

PI 506164  donor id: GS382.  origin: Togo.  local name: Bankan.  
collector id: GS382.  other id: NZM 33-83.  locality: Farmstore, Koloware, 16km E of Sokode toward Tchamba, Tchaoudjo Prefecture, Centre Region.  
latitude: 08 deg. 58 min. N.  longitude: 001 deg. 17 min. E.  

PI 506165  donor id: GS383.  origin: Togo.  local name: Namnoum.  
collector id: GS383.  other id: NZM 34-83.  locality: Farmstore, Koloware, 16km E of Sokode toward Tchamba, Tchaoudjo Prefecture, Centre Region.  
latitude: 08 deg. 58 min. N.  longitude: 001 deg. 17 min. E.  

PI 506166  donor id: GS384.  origin: Togo.  local name: Bankan.  
collector id: GS384.  other id: NZM 35-83.  locality: Farmstore, Koloware, 16km E of Sokode toward Tchamba, Tchaoudjo Prefecture, Centre Region.  
latitude: 08 deg. 58 min. N.  longitude: 001 deg. 17 min. E.  

PI 506167

PI 506168

PI 506169

PI 506170

PI 506171


PI 506177  
**donor id:** DS461.  
**origin:** Togo.  
**local name:** Edeta.  
**collected:** February 01, 1984.  
**collector:** T.B. Djaneye and A.D. Sambiani.  
**collector id:** DS461.  
**other id:** PZM 8-84.  
**locality:** Farmstore, Kpele-Bena, 17km S of Badou toward Ghana, Wawa Prefecture, Plateaux Region.  
**latitude:** 07 deg. 26 min. N.  
**longitude:** 000 deg. 36 min. E.  
**remarks:** Sown March, harvested May.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506178  
**donor id:** DS472.  
**origin:** Togo.  
**local name:** Djouklo.  
**collected:** February 01, 1984.  
**collector:** T.B. Djaneye and A.D. Sambiani.  
**collector id:** DS472.  
**other id:** PZM 9A-84.  
**locality:** Farmstore, Zougbeagn, 63km W of Atakpame toward Badou, Wawa Prefecture, Plateaux Region.  
**latitude:** 07 deg. 34 min. N.  
**longitude:** 000 deg. 40 min. E.  
**remarks:** Sown March, harvested May.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506179  
**donor id:** DS473.  
**origin:** Togo.  
**local name:** Djouklo.  
**collected:** February 01, 1984.  
**collector:** T.B. Djaneye and A.D. Sambiani.  
**collector id:** DS473.  
**other id:** PZM 9B-84.  
**locality:** Farmstore, Zougbeagn, 63km W of Atakpame toward Badou, Wawa Prefecture, Plateaux Region.  
**latitude:** 07 deg. 34 min. N.  
**longitude:** 000 deg. 40 min. E.  
**remarks:** Sown March, harvested May.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506180  
**donor id:** DS483.  
**origin:** Togo.  
**local name:** Djoklo.  
**collected:** February 01, 1984.  
**collector:** T.B. Djaneye and A.D. Sambiani.  
**collector id:** DS483.  
**other id:** PZM 10A-84.  
**locality:** Farmstore, Oudje, 40km W of Atakpame toward Badou, Wawa Prefecture, Plateaux Region.  
**latitude:** 07 deg. 34 min. N.  
**longitude:** 000 deg. 54 min. E.  
**remarks:** Sown March, harvested May.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506181  
**donor id:** DS484.  
**origin:** Togo.  
**local name:** Djoklo.  
**collected:** February 01, 1984.  
**collector:** T.B. Djaneye and A.D. Sambiani.  
**collector id:** DS484.  
**other id:** PZM 10B-84.  
**locality:** Farmstore, Oudje, 40km W of Atakpame toward Badou, Wawa Prefecture, Plateaux Region.  
**latitude:** 07 deg. 34 min. N.  
**longitude:** 000 deg. 54 min. E.  
**remarks:** Sown March, harvested June.  
Annual.  
Primitive Cultivar.  
Seed.

PI 506182  
**donor id:** DS493.  
**origin:** Togo.  
**local name:** Erita.  
**collected:** February 02, 1984.  
**collector:** T.B. Djaneye and A.D. Sambiani.  
**collector id:** DS493.  
**other id:** PZM 11-84.  
**locality:** Farmstore, Amou-Oblo, 28km SW of Atakpame toward Adeta, Amou Prefecture, Plateaux Region.  
**latitude:** 07 deg. 23 min. N.  
**longitude:** 000 deg. 52 min. E.  
**remarks:** Sown February, harvested April.  
Annual.  
Primitive Cultivar.  
Seed.


PI 506203

PI 506204

PI 506205

PI 506206

PI 506207


PI 506132 to 506218-continued

PI 506218  
donor id: DS624.  
origin: Togo.  
local name: Agbogbui.  
collected: March 10, 1984.  
collector: T.B. Djaneye and A.D. Sambiani.  
collector id: DS624.  
other id: MZM 22-84.  
locality: Farmstore, Agoue-Nyive, 12km W of Lome toward Tsevie, Golfe Prefecture, Maritime Region.  
latitude: 06 deg. 14 min. N.  
longitude: 001 deg. 13 min. E.  
remarks: Sown March/September, harvested June/December.  
Annual.  
Primitive Cultivar.  
Seed.
Scientific Name Cross Reference

Abelmoschus esculentus 505441-505490, 505551-505567
Agropyron barbicallum 504441
Agropyron cristatum 504442
Amaranthus hybridus 505568
Amaranthus sp. 504518, 505569-505570
Annona scleroderma 504811
Anthyllis vulneraria 503865
Arachis hypogaea 504811, 504814, 505491, 505571-505583, 505956-505977
Astragalus cicer var. jesupii 504534
Avena nuda 503527-503529, 504574-504575
Avena sativa 503547, 503644, 504576-504613, 504817-505058
Beta lomatogona 505821
Beta macrorhiza 505822
Beta trigyna 505823-505824
Beta vulgaris 504170-504181
Beta vulgaris subsp. maritima 504182-504285
Beta vulgaris subsp. vulgaris 505825-505830
Brassica pekinensis 503579-503580
Bromus japonicus 504443
Bromus sp. 504469
Capsicum annuum 503581, 504809
Carica papaya 503873
Cicer judaicum 504291
Cicer yamashitae 504550
Cichorium endivia var. crispum 503583-503593
Cichorium endivia var. latifolium 503594-503600
Cichorium intybus 503601, 504468
Citrullus lanatus 504519, 505854-505995, 505935
Coffee arabica 503525-503526
Crataegus mollis 503530
Cucumeropsis manii 505596
Cucumis africanus 504551
Cucumis anguria 504552
Cucumis dipsaceus 504553
Cucumis ficifolius 504554
Cucumis figarei 504555
Cucumis melo 504522-504527, 504531-504533, 505597-505603, 505936
Cucumis metuliferus 504556
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Cucumis sativus 504528, 504813-504816, 505604
Cucumis sativus var. anatolicus 504559
Cucumis sativus var. anglicus 504560
Cucumis sativus var. cilicicus 504561
Cucumis sativus var. europaeus 504562
Cucumis sativus var. falcatus 504563
Cucumis sativus var. hardwickii 504564
Cucumis sativus var. indo-europaeus 504565
Cucumis sativus var. irano-turanicus 504566
Cucumis sativus var. izmir 504567
Cucumis sativus var. sikkimensis 504568
Cucumis sativus var. squamosus 504569-504570
Cucumis sativus var. testudaceus 504571
Cucumis sativus var. tuberculatus 504572
Cucumis sativus var. vulgatus 504573
Cucumis sp. 505605-505613
Cucurbita maxima 505614-505632
Cucurbita mixta 505633
Cucurbita moschata 505634-505646
Cynara scolymus 503532-503546, 504529-504530
Dactylis glomerata 504537, 505831
Desmodium varians var. gunnii 504470
Elymus atratus 504444
Elymus breviaristatus 504445-504447
Elymus dahuricus 504448
Elymus dahuricus subsp. dahuricus 504449-504451
Elymus dahuricus subsp. excelsus 504452-504454
Elymus grandiglumis 504455-
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For space conservation and consistency in identifying locations, the following acronyms have been used in Plant Inventory No. 195:

AVRDC - Asian Vegetable Research and Development Center
CIAT - Centro Internacional de Agricultura Tropical
CIMMYT - Centro Internacional de Mejoramiento de Maiz y Trigo
FAO - Food and Agriculture Organization of the United Nations
IBPGR - International Board for Plant Genetic Resources
ICARDA - International Center for Agricultural Research in the Dry Areas
ICRISAT - International Crops Research Institute for Semi-Arid Tropics (India)
NBPGR - National Bureau of Plant Genetic Resources (India)
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 - Soil Conservation Service
VIR - N.I. Vavilov Institute of Plant Industry (USSR)