
This inventory is a listing of plant materials introduced into the U.S. National Plant Germplasm System in calendar year 1993. The inventory comprises four separately bound books covering PI numbers 564686–576437. It is not a listing of plant material available for distribution.

Questions and comments about the organization of data and proper identification of plants should be directed to the editor: R.A. Norris, National Germplasm Resources Laboratory, 10300 Baltimore Avenue, Building 003, Room 400, Beltsville, MD 20705.

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

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Issued July 1994
Acronyms

For space conservation and consistency in identifying locations, the following acronyms have been used in Plant Inventory 201:

CIANO - Centro de Investigaciones Agricolas del Noroeste (Mexico)

CIP - Centro Internacional de la Papa (Peru)

CSIRO - Commonwealth Scientific and Industrial Research Organization (Australia)

EMBRAPA- - Empresa Brasileira de Pesquisas Agropecuarias (Brazil)

FAO - Food and Agriculture Organization of the United Nations

IBPGR - International Board for Plant Genetic Resources (Italy)

ICARDA - International Center for Agricultural Research in the Dry Areas (Syria)

ICRISAT - International Crops Research Institute for the Semi-Arid Tropics

IITA - International Institute of Tropical Agriculture

INIFAP - Instituto Nacional de Investigaciones Forestales y Agropecuarias (Mexico)

NBPGR - National Bureau of Plant Genetics Resources (India)

PGQO - Plant Germplasm Quarantine Office (USA)

SADCC - Southern African Development Coordination Conference (Zimbabwe)

USDA-ARS - U.S. Department of Agriculture, Agricultural Research Service (USA)

USDA-SCS - U.S. Department of Agriculture, Soil Conservation Service (USA)

VIR - N.I. Vavilov Institute of Plant Industry (USSR)
PI 566904. Brassica oleracea var. botrytis L. BRASSICACEAE Cauliflower green curded

Donated by: Rijk Zwaan Zaadteelt en Zaadhandel B.V., Meo Voto Beheer BV, Netherlands. Received April 02, 1993.


PI 566905. Arachis hypogaea L. FABACEAE Peanut


PI 566906. Poa pratensis L. POACEAE Kentucky bluegrass


PI 566907. Phaseolus vulgaris L. FABACEAE Bean

Donated by: Zaadunie B.V., Netherlands. Received April 02, 1993.


PI 566908. Phaseolus vulgaris L. FABACEAE Bean

Donated by: Zaadunie B.V., Netherlands. Received April 02, 1993.
PI 566908-continued


PI 566909. Brassica napus L. BRASSICACEAE Rape

Donated by: InterMountain Canola Company, United States. Received April 02, 1993.


PI 566910. Brassica napus L. BRASSICACEAE Rape

Donated by: InterMountain Canola Company, United States. Received April 02, 1993.


PI 566911. Lycopersicon esculentum Miller, nom. cons. SOLANACEAE Tomato

Donated by: N.C. Agricultural Research Service, North Carolina, United States. Received April 02, 1993.


PI 566912. Lycopersicon esculentum Miller, nom. cons. SOLANACEAE Tomato

Donated by: N.C. Agricultural Research Service, North Carolina, United States. Received April 02, 1993.

PI 566913. Lycopersicon esculentum Miller, nom. cons. SOLANACEAE Tomato

**Donated by:** N.C. Agricultural Research Service, North Carolina, United States. Received April 02, 1993.

**origin:** United States. **origin institute:** N.C. Agricultural Research Service, North Carolina United States. **cultivar:** MONTE VERDE. **other id:** PVP 9300161. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566914. Lycopersicon esculentum Miller, nom. cons. SOLANACEAE Tomato

**Donated by:** N.C. Agricultural Research Service, North Carolina, United States. Received April 02, 1993.

**origin:** United States. **origin institute:** N.C. Agricultural Research Service, North Carolina United States. **cultivar:** NC 109. **other id:** PVP 9300162. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566915. Lactuca sativa L. ASTERACEAE Lettuce

**Donated by:** Asgrow Seed Company, United States. Received April 02, 1993.

**origin:** United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** ACE. **other id:** PVP 9300163. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566916. Lactuca sativa L. ASTERACEAE Lettuce

**Donated by:** Harris Moran Seed Company, United States. Received April 02, 1993.

**origin:** United States. **origin institute:** Harris Moran Seed Company United States. **cultivar:** DESERT STORM. **other id:** PVP 9300164. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 566917. Lactuca sativa L. ASTERACEAE Lettuce

**Donated by:** Asgrow Seed Company, United States. Received April 02, 1993.
PI 566917-continued


PI 566918. Lactuca sativa L. ASTERACEAE Lettuce

Donated by: Harris Moran Seed Company, United States. Received April 02, 1993.


PI 566919. Lactuca sativa L. ASTERACEAE Lettuce

Donated by: Harris Moran Seed Company, United States. Received April 02, 1993.


PI 566920. Lactuca sativa L. ASTERACEAE Lettuce

Donated by: Harris Moran Seed Company, United States. Received April 02, 1993.


PI 566921. Lactuca sativa L. ASTERACEAE Lettuce

Donated by: Harris Moran Seed Company, United States. Received April 02, 1993.

PI 566922. Lactuca sativa L. ASTERACEAE Lettuce

Donated by: Brinker Orsetti Seed Company, Inc., United States.  Received April 02, 1993.


PI 566923. Triticum aestivum L., nom. cons. POACEAE Wheat


PI 566924. Triticum aestivum L., nom. cons. POACEAE Wheat


PI 566925. Gossypium hirsutum L. MALVACEAE Cotton

Donated by: Sure-Grow Seed, Inc., United States. Received April 02, 1993.


PI 566926. Festuca arundinacea Schreber POACEAE Tall fescue

Donated by: Pickseed West, Inc., United States. Received April 02, 1993.

PI 566927. Gossypium barbadense L. MALVACEAE Cotton

Donated by: Phytogen, United States. Received April 02, 1993.

origin: United States. origin institute: Phytogen
United States. cultivar: ORO BLANCO PIMA. other id: PVP 9300175. source: Pending. group: PVPO. patent: PVPO.
Cultivar. Seed.

PI 566928. Oryza sativa L. POACEAE Rice

Donated by: Hisparroz, S.A., Spain. Received April 02, 1993.

cultivar: DONANA. other id: PVP 9300176. source:
Pending. group: PVPO. patent: PVPO. Cultivar. Seed.

PI 566929. Hordeum vulgare L. subsp. vulgare POACEAE Winter barley


cultivar: NOMINI. pedigree: Boone/Henry//VA 77-12-41.
other id: PVP 9300177. source: Pending. group: PVPO.
group: CSR-BARLEY. restricted: CSR. patent: PVPO.

PI 566930. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Delta & Pine Land Company, United States. Received April 02, 1993.
PI 566930-continued


PI 566931. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Delta & Pine Land Company, United States. Received April 02, 1993.


PI 566932. Brassica napus L. BRASSICACEAE Rape

Donated by: Ameri-Can Pedigreed Seed Company, United States. Received April 02, 1993.


PI 566933. Poa pratensis L. POACEAE Kentucky bluegrass


PI 566934. Festuca longifolia Thuill. POACEAE Hard fescue


PI 566935. Dactylis glomerata L. POACEAE Orchardgrass

**Donated by:** Ag Tech, Inc., United States. Received April 02, 1993.


PI 566936. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Northrup King Company, United States. Received April 02, 1993.


PI 566937. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Northrup King Company, United States. Received April 02, 1993.


PI 566938. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** United AgriSeeds, Inc., United States. Received April 02, 1993.


PI 566939. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** United AgriSeeds, Inc., United States. Received April 02, 1993.

PI 566940. Zea mays L. subsp. mays POACEAE Corn

Donated by: United AgriSeeds Company, United States. Received April 02, 1993.


PI 566941. Gossypium hirsutum L. MALVACEAE Cotton

Donated by: Meredith, Jr., W.R., Agricultural Research Service -- USDA, Cotton Physiology & Genetics Research, Stoneville, Mississippi 38776, United States. remarks: MD51ne Cotton Variety. Received April 09, 1993.


PI 566942 to 566947. Gossypium hirsutum L. MALVACEAE Upland cotton

Donated by: Davis, D.D., New Mexico Agr. Exp. Sta., New Mexico State University, Las Cruces, New Mexico 88003, United States; and Cotton Incorporated. remarks: Six Cotton Parental R-Lines. Received April 09, 1993.

PI 566942 to 566947-continued

PI 566943

PI 566944
origin: United States. origin institute: New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. cultivar: HPNHF-90013. pedigree: Developed over a 15 year period from a very complex series of interspecies (G. hirsutum/G. barbadense) crosses. other id: PL-4. source: Crop Sci. 33(6):1428 1993. group: CSR-COTTON. restricted: CSR. remarks: Segregates for fertility restoration, but the fertile segregants in the population possess and transmit a very high level of fertility to their P1 hybrids. Certain segregants also have high levels of fiber strength. Variability for yield, earliness, and gin turnout can be derived from this germplasm. Moderately susceptible to Verticillium wilt (Verticillium dahliae), indicating a need for mating this line to female parents possessing good wilt tolerance. Spring Annual. Breeding Material. Seed.

PI 566945

PI 566947 origin: United States. origin institute: New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. cultivar: BHLF-87049. pedigree: Selected from the backcross family {(Dixie King R-Line 11-A/Bobshaw Hi-linter)/Bobshaw Hi-linter)}. other id: PL-1. source: Crop Sci. 33(6):1428 1993. group: CSR-COTTON. restricted: CSR. remarks: Deltatype phenotype. Height medium. Excellent combining ability for yield & gin turnout. Plants show prolific fruit set in mid-season. Bolls medium size. Lint avg. 41%. Fiber shorter, weaker than present commercial Delta cvs. Yield of average BHLF hybrid similar to yields of check cvs. Location x year interactions with specific BHLF hybrid combinations indicate superior hybrids can be identified for certain regions. Pollen fertility ratings show F1 hybrids had the highest fertility of any upland hybrids tested & were almost equal to interspecific hybrids in this respect. Pollen fertility ratings show F1 hybrids had the highest fertility of any upland hybrids tested & were almost equal to interspecific hybrids in this respect. Spring Annual. Breeding Material. Seed.

PI 566948 to 566952. Gossypium hirsutum L. MALVACEAE Upland cotton

Donated by: Davis, D.D., New Mexico Agr. Exp. Sta., New Mexico State University, Las Cruces, New Mexico 88003, United States; and Cotton Incorporated. remarks: Five Cotton Parental B-Lines. Received April 09, 1993.


PI 566952 origin: United States. developed: Dick D. Davis. origin institute: New Mexico Agr. Exp. Sta., New Mexico State University, Dept. of Agronomy & Horticulture, Las Cruces, New Mexico 88003 United States. cultivar: A77-88090. pedigree: Inbred selection line out of Acala 1517-77. other id: PL-7. source: Crop Sci. 33(6):1426 1993. group: CSR-COTTON. restricted: CSR. remarks: Standard Acala 1517 fiber quality, which is transmitted to hybrid progeny in additive fashion. Not stormproof, but has better storm resistance than most Acala types. Shown excellent combining ability for yield with several R-Lines, particularly with BHLF and IV4F. Primary weakness is low gin turnout, usually transmitted to its hybrids as the mid-parent value. Even with low gin turnout, hybrids are competitive with the best check cultivars in New Mexico. Spring Annual. Breeding Material. Seed.

PI 566953. Hordeum vulgare L. subsp. vulgare POACEAE Barley

PI 566953-continued

origin: United States. developed: R.S. Albrechtsen. origin institute: Utah Agric. Exp. Station, Utah State University, Dept. of Plants, Soils & Biometeorology, Logan, Utah 84322-4820 United States. origin institute id: UT74SDB1-1399. cultivar: BRACKEN. pedigree: Woodvale//Primus/S.D. 67-297. other id: CV-241. source: Crop Sci. 33(6):1413 1993. group: CSR-BARLEY. restricted: CSR. remarks: Six-rowed, smooth awned, midseason, erect growing, spring feed barley. Aleurone color white. 1000-kernel weight averages 37g. Compared to Steptoe, equal in heading date, plant height and test weight, but has stronger straw (18 vs. 33% lodging for Steptoe). Grain yield 2% lower than Steptoe in Utah tests (5838 vs. 5956kg ha-1) and 9% lower in Western Regional Spring Barley tests (4350 vs. 4770kg ha-1). Averages 2.1 percentage points higher than Steptoe in protein (13.0 vs. 10.9%). Field resistance to barley loose smut & covered smut. Moderate resistance to powdery mildew. Spring Annual. Cultivar. Seed.

PI 566954. Trifolium pratense L. FABACEAE Red clover


origin: United States. developed: S.D. Stratton. origin institute: FFR Cooperative, 4112 East State Road 225, West Lafayette, Indiana 47906 United States. cultivar: CINNAMON. pedigree: Originated as a seeded strain cross among 3 FFR breeding lines that trace predominately to Arlington, Redman, Chesapeake and Lakeland with smaller contributions from numerous other sources. other id: CV-24. source: Crop Sci. 34(1):303 1994. group: CSR-CLOVER, RED. restricted: CSR. remarks: Medium red clover with both water marked (77%) and non-marked (23%) leaves. Six days earlier in spring flowering than Arlington and two days later than Kenstar. Flower color 46% dark pink, 37% medium pink, 8% light pink and 9% red. Resistant to northern anthracnose (Kabatiella caulivora), southern anthracnose (Colletotrichum trifolli) and powdery mildew (Erysiphe polygoni). Perennial. Cultivar. Seed.
PI 566955 to 567147. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Malang Research Institute for Food Crops, P.O. Box 66, Malang, East Java 66101, Indonesia. **Remarks:** Via Ton Rulkin (with the cooperation of Dr. T. Hymowitz, University of Illinois, Department of Agronomy, Urbana, Illinois 61801). Received April 01, 1993.

PI 566955  
**Donor ID:** MARIF 2501.  

PI 566956  
**Donor ID:** MARIF 2502.  

PI 566957  
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PI 566958  
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PI 566959  
**Donor ID:** MARIF 2505.  

PI 566960  
**Donor ID:** MARIF 2506.  

PI 566961  
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PI 566962  
**Donor ID:** MARIF 2508.  

PI 566963  
**Donor ID:** MARIF 2509.  

PI 566964  
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PI 566966  
**Donor ID:** MARIF 2512.  

PI 566967  
**Donor ID:** MARIF 2513.  

PI 566968  
**Donor ID:** MARIF 2514.  

PI 566969  
**Donor ID:** MARIF 2515.  


PI 566955 to 567147-continued

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PI 566955 to 567147-continued

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PI 566955 to 567147-continued

PI 566955 to 567147-continued


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PI 566955 to 567147-continued

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PI 566955 to 567147-continued


PI 567148. Glycine max (L.) Merr. FABACEAE Soybean


PI 567149. Glycine soja Siebold & Zucc. FABACEAE Wild soybean


PI 567150. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Malang Research Institute for Food Crops, P.O. Box 66, Malang, East Java 66101, Indonesia. remarks: Via Ton Rulkin (with the cooperation of Dr. T. Hymowitz, University of Illinois, Department of Agronomy, Urbana, Illinois 61801). Received April 01, 1993.
PI 567150-continued


PI 567151 to 567155. Glycine max (L.) Merr. FABACEAE Soybean


PI 567156 to 567175. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Crop Introduction Laboratory, Institute of Crop Germplasm Resources, Chinese Academy of Agricultural Sciences, Beijing, China. remarks: Via Tong Diaxing. Received April 01, 1993.


PI 567156 to 567175-continued

PI 567160  origin: China.  **cultivar:** He long hei mo shi dou.  **other id:** 00182.  Annual.  Cultivated.  Seed.

PI 567161  origin: China.  **cultivar:** He long hui mao dou.  **other id:** 00183.  Annual.  Cultivated.  Seed.

PI 567162  origin: China.  **cultivar:** He long lu guo hei dou.  **other id:** 00184.  Annual.  Cultivated.  Seed.

PI 567163  origin: China.  **cultivar:** He long yong hua dou.  **other id:** 00185.  Annual.  Cultivated.  Seed.

PI 567164  origin: China.  **cultivar:** He long you tai.  **other id:** 00186.  Annual.  Cultivated.  Seed.

PI 567165  origin: China.  **cultivar:** He long zao shou dou.  **other id:** 00187.  Annual.  Cultivated.  Seed.

PI 567166  origin: China.  **cultivar:** He mao.  **other id:** 00188.  Annual.  Cultivated.  Seed.

PI 567167  origin: China.  **cultivar:** He mao dou.  **other id:** 00189.  Annual.  Cultivated.  Seed.

PI 567168  origin: China.  **cultivar:** He ping No. 1.  **other id:** 00190.  Annual.  Cultivated.  Seed.

PI 567169  origin: China.  **cultivar:** He qi feng di huang.  **other id:** 00191.  Annual.  Cultivated.  Seed.

PI 567170  origin: China.  **cultivar:** He qi ping ding xiang.  **other id:** 00192.  Annual.  Cultivated.  Seed.

PI 567171  origin: China.  **cultivar:** Hei he No. 1.  **other id:** 00194.  Annual.  Cultivated.  Seed.

PI 567172  origin: China.  **cultivar:** Hei he No. 3.  **other id:** 00195.  Annual.  Cultivated.  Seed.

PI 567173  origin: China.  **cultivar:** Hei he No. 51.  **other id:** 00196.  Annual.  Cultivated.  Seed.

PI 567174  origin: China.  **cultivar:** Hei he No. 54.  **other id:** 00197.  Annual.  Cultivated.  Seed.

PI 567175  origin: China.  **cultivar:** Hei jia zi.  **other id:** 00198.  Annual.  Cultivated.  Seed.
PI 567176 to 567177. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Queensland Dept. of Primary Industries, Gatton Research Station, P.O. Box 241, Gatton, Queensland 4343, Australia.
remarks: Via C. Ron McMahon to R.L. Bernard, University of Illinois, Department of Agronomy, Urbana, Illinois, 61801. Received April 01, 1993.


PI 567178 to 567179. Glycine soja Siebold & Zucc. FABACEAE Wild soybean

Donated by: Johnny's Selected Seeds, Foss Hil Road, Albion, Maine 04910, United States. remarks: Via Suzanne Wyrostek, Vegetable Trails Manager. Received April 01, 1993.

* PI 567178 Glycine max (L.) Merr. FABACEAE Soybean

* PI 567179 Glycine max (L.) Merr. FABACEAE Soybean
origin: United States. cultivar: Envy. remarks: Heirloom variety which may be old domestic variety already in the collection. Annual. Cultivar. Seed.

PI 567180 to 567192. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Agricultural University, Hanoi, Vietnam. remarks: Via Emerson D. Nafzinger, Dept. of Agronomy, University of Illinois, Urbana, Illinois, 66801, requested by Dr. T. Hymowitz. Routed through Mennonite Central Committee, Center for Educational Exchange Programs, 28/3 Soi Ton Son, Ploenchit Road, Bankok 10330, Thailand. Received April 01, 1993.

PI 567180 to 567192-continued

PI 567184  **origin:** Vietnam.  **cultivar:** DT83.  Annual.  Cultivated.  
           Seed.

PI 567185  **origin:** Vietnam.  **cultivar:** IPK86.  Annual.  Cultivated.  
           Seed.

PI 567186  **origin:** Vietnam.  **cultivar:** M103.  Annual.  Cultivated.  
           Seed.

PI 567187  **origin:** Vietnam.  **cultivar:** VX9-1.  Annual.  Cultivated.  
           Seed.

PI 567188  **origin:** Vietnam.  **cultivar:** VX9-3.  Annual.  Cultivated.  
           Seed.

PI 567189  **origin:** Vietnam.  **cultivar:** Ekhabac.  Annual.  
           Cultivated.  Seed.

PI 567190  **origin:** Vietnam.  **cultivar:** Halang 4 tha'ng.  Annual.  
           Cultivated.  Seed.

PI 567191  **origin:** Vietnam.  **cultivar:** Ouesso.  Annual.  Cultivated.  
           Seed.

PI 567192  **origin:** Vietnam.  **cultivar:** SRF black.  Annual.  
           Cultivated.  Seed.

PI 567193.  Glycine soja Siebold & Zucc.  FABACEAE  Wild soybean

**Donated by:**  Konovsky, J.C., Washington State University, Dept.  of  
Agronomy and Soils, Pullman, Washington, United States.  Received  
April 01, 1993.

*  Glycine max (L.) Merr.  FABACEAE  Soybean  
**origin:** UNKNOWN.  **source history:**  Obtained from Johnny's  
Selected Seeds, Foss Hill Road, Albion, Maine, 04910.  
**cultivar:** Butterbean.  Annual.  Cultivar.  Seed.

PI 567194 to 567196.  Glycine soja Siebold & Zucc.  FABACEAE  Wild  
soybean

**Donated by:**  Kaiser, W.J., USDA-ARS, Regional Plant Introduction  
Station, Washington State University, Pullman, Washington  
99164-6402, United States.  Received April 01, 1993.

PI 567194  **donor id:**  KB-58.  **origin:** China.  **collected:** 1990.  
Seed.
PI 567194 to 567196-continued


PI 567197 to 567209. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Zentralinstitute fur Genetik und Kulturpflanzenforschung, Gatersleben, Germany. remarks: Via Dr. P. Hanelt. Received April 01, 1993.


PI 567197 to 567209—continued


PI 567210 to 567229. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Vavilov Institute, 44 Herzen Street, Gatersleben, St. Petersburg, Russian Federation. Received April 01, 1993.

PI 567210  donor id: VIR-9515.  origin: Russian Federation.  

PI 567211  donor id: VIR-9578.  origin: Russian Federation.  


PI 567216  donor id: VIR-9606.  origin: Russian Federation.  


PI 567219  donor id: VIR-9609.  origin: Russian Federation.  

PI 567220  donor id: VIR-9610.  origin: Russian Federation.  

PI 567221  donor id: VIR-9614.  origin: Russian Federation.  

PI 567222  donor id: VIR-9615.  origin: Russian Federation.  


PI 567226 donor id: VIR-9661. origin: Russian Federation. 
Cultivated. Seed.


PI 567228 donor id: VIR-9663. origin: Russian Federation. 

PI 567229 donor id: VIR-9689. origin: Russian Federation. 

PI 567230 to 567238. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Kaiser, W.J., USDA-ARS, Regional Plant Introduction 
Station, Washington State University, Pullman, Washington 
99164-6402, United States. Received April 01, 1993.

collector: W.J. Kaiser, F.J. Muehlbauer. other id: 

collector: W.J. Kaiser, F.J. Muehlbauer. other id: 

collector: W.J. Kaiser, F.J. Muehlbauer. other id: 
W6-4507A. Annual. Cultivated. Seed.

PI 567233 origin: China. collected: 1990. collector: W.J. Kaiser, 
F.J. Muehlbauer. other id: W6-4507B. Annual. 
Cultivated. Seed.

PI 567234 origin: China. collected: 1990. collector: W.J. Kaiser, 
F.J. Muehlbauer. other id: W6-4507C. Annual. 
Cultivated. Seed.

collector: W.J. Kaiser, F.J. Muehlbauer. other id: 
PI 567230 to 567238-continued


PI 567239 to 567270.  Glycine max (L.) Merr.  FABACEAE  Soybean

Donated by: Carter, T.E., USDA-ARS, North Carolina State University, Raleigh, North Carolina, United States.  Received April 01, 1993.


PI 567271 to 567272. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asian Vegetable Research Center, Taiwan. remarks: Received thru Yun-Tzu Kiang, Department of Plant Biology, University of New Hampshire, Durham, New Hampshire, 03824-3597. Received April 01, 1993.
PI 567271 to 567272-continued


PI 567273 to 567283. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Lim, S.M., University of Illinois, Department of Plant Pathology, Urbana, Illinois 61801, United States. Received April 01, 1993.


PI 567282  origin: Korea, South. cultivar: Seo-Ri-Tae. Annual. Cultivated. Seed.

Donated by: Institute of Crop Germplasm Resources, Chinese Academy of Agricultural Science, Beijing, China. remarks: Cooperative research project between Institute of Crop Germplasm Resources, Chinese Academy of Agricultural Sciences, China; and USDA-ARS. Received April 01, 1993.


PI 567299  donor id: ZDD 10996.  origin: China.  

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PI 567301  donor id: ZDD 11083.  origin: China.  

PI 567302  donor id: ZDD 11069.  origin: China.  

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PI 567304  donor id: ZDD 11060.  origin: China.  

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PI 567306  donor id: ZDD 11043.  origin: China.  

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PI 567311  donor id: ZDD 10984.  origin: China.  

PI 567312  donor id: ZDD 11003.  origin: China.  

PI 567313  donor id: ZDD 11096.  origin: China.  

PI 567314  donor id: ZDD 11059.  origin: China.  

PI 567315  donor id: ZDD 11182.  origin: China.  


PI 567284 to 567781-continued

PI 567350  
**donor id:** ZDD 11124.  
**origin:** China.  
**cultivar:** Shu pi huang dou.  
Annual.  
Cultivated.  
Seed.

PI 567351  
**donor id:** ZDD 11098.  
**origin:** China.  
**cultivar:** Tu huang dou.  
Annual.  
Cultivated.  
Seed.

PI 567352  
**donor id:** ZDD 11109.  
**origin:** China.  
**cultivar:** Yang yan qing dou.  
Annual.  
Cultivated.  
Seed.

PI 567353  
**donor id:** ZDD 11103.  
**origin:** China.  
**cultivar:** Yang yan ren dou.  
Annual.  
Cultivated.  
Seed.

PI 567354  
**donor id:** ZDD 11092.  
**origin:** China.  
**cultivar:** You huang dou.  
Annual.  
Cultivated.  
Seed.

PI 567355  
**donor id:** ZDD 10990.  
**origin:** China.  
**cultivar:** Yuan huang dou.  
Annual.  
Cultivated.  
Seed.

PI 567356  
**donor id:** ZDD 11170.  
**origin:** China.  
**cultivar:** Zao bai huang dou.  
Annual.  
Cultivated.  
Seed.

PI 567357  
**donor id:** ZDD 8048.  
**origin:** China.  
**cultivar:** Du jia qiao huang dou.  
Annual.  
Cultivated.  
Seed.

PI 567358  
**donor id:** ZDD 8038.  
**origin:** China.  
**cultivar:** He lan huang dou.  
Annual.  
Cultivated.  
Seed.

PI 567359  
**donor id:** ZDD 1544.  
**origin:** China.  
**cultivar:** Hua mei dou.  
Annual.  
Cultivated.  
Seed.

PI 567360  
**donor id:** ZDD 1538.  
**origin:** China.  
**cultivar:** Jin ji hei yuan yan hei dou.  
Annual.  
Cultivated.  
Seed.

PI 567361  
**donor id:** ZDD 8044.  
**origin:** China.  
**cultivar:** Lu fang huang dou.  
Annual.  
Cultivated.  
Seed.

PI 567362  
**donor id:** ZDD 8047.  
**origin:** China.  
**cultivar:** Lu fang huang dou.  
Annual.  
Cultivated.  
Seed.

PI 567363  
**donor id:** ZDD 1530.  
**origin:** China.  
**cultivar:** Ping luo huang da dou.  
Annual.  
Cultivated.  
Seed.

PI 567364  
**donor id:** ZDD 8035.  
**origin:** China.  
**cultivar:** Ping luo huang da dou.  
Annual.  
Cultivated.  
Seed.

PI 567365  
**donor id:** ZDD 1534.  
**origin:** China.  
**cultivar:** Qing da dou.  
Annual.  
Cultivated.  
Seed.

PI 567366  
**donor id:** ZDD 8049.  
**origin:** China.  
**cultivar:** Wu tong shu huang dou.  
Annual.  
Cultivated.  
Seed.


PI 567384  donor id: ZDD 3637.  origin: China.  
cultivar: Hu pi dou.  

PI 567385  donor id: ZDD 3704.  origin: China.  
cultivar: Hua mao yan huang dou.  

PI 567386  donor id: ZDD 3625.  origin: China.  
cultivar: Huang da dou (1).  

PI 567387  donor id: ZDD 3699.  origin: China.  
cultivar: Huang huai dou.  

PI 567388  donor id: ZDD 3700.  origin: China.  
cultivar: Huang huai dou.  

PI 567389  donor id: ZDD 3606.  origin: China.  
cultivar: Hui cuo dou.  

PI 567390  donor id: ZDD 3632.  origin: China.  
cultivar: Ji dan pi bai dou.  

PI 567391  donor id: ZDD 3702.  origin: China.  
cultivar: Jiang se huang dou.  

PI 567392  donor id: ZDD 3697.  origin: China.  
cultivar: Jing yang hong da dou.  

PI 567393  donor id: ZDD 3602.  origin: China.  
cultivar: Jiu yue han.  

PI 567394  donor id: ZDD 3611.  origin: China.  
cultivar: Jiu yue han.  

PI 567395  donor id: ZDD 3608.  origin: China.  
cultivar: Lai wa dou.  

PI 567396  donor id: ZDD 3607.  origin: China.  
cultivar: Lao shu pi.  

PI 567397  donor id: ZDD 3643.  origin: China.  
cultivar: Lu huang dou.  

PI 567398  donor id: ZDD 3644.  origin: China.  
cultivar: Lu lan dou.  

PI 567399  donor id: ZDD 3603.  origin: China.  
cultivar: Niu mao huang.  

PI 567400  donor id: ZDD 3640.  origin: China.  
cultivar: Niu mao huang.  
PI 567284 to 567781-continued


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PI 567284 to 567781-continued


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PI 567608  donor id: ZDD 2712.  origin: China.  

PI 567609  donor id: ZDD 2616.  origin: China.  

PI 567610  donor id: ZDD 3211.  origin: China.  

PI 567611  donor id: ZDD 3200.  origin: China.  

PI 567612  donor id: ZDD 3193.  origin: China.  

PI 567613  donor id: ZDD 3194.  origin: China.  

PI 567614  donor id: ZDD 3212.  origin: China.  

PI 567615  donor id: ZDD 3142.  origin: China.  

PI 567616  donor id: ZDD 3166.  origin: China.  

PI 567617  donor id: ZDD 3133.  origin: China.  

PI 567618  donor id: ZDD 3159.  origin: China.  

PI 567619  donor id: ZDD 3120.  origin: China.  

PI 567620  donor id: ZDD 3134.  origin: China.  

PI 567621  donor id: ZDD 3185.  origin: China.  


PI 567284 to 567781-continued


PI 567284 to 567781-continued

PI 567690  donor id: ZDD 4924.  origin: China.  cultivar: Fu yang

PI 567691  donor id: ZDD 4925.  origin: China.  cultivar: Fu yang

PI 567692  donor id: ZDD 4927.  origin: China.  cultivar: Fu yang

PI 567693  donor id: ZDD 4928.  origin: China.  cultivar: Fu yang

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PI 567699  donor id: ZDD 4935.  origin: China.  cultivar: Fu yang

PI 567700  donor id: ZDD 4936.  origin: China.  cultivar: Fu yang

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PI 567721  donor id: ZDD 4962. origin: China. cultivar: Fu yang

PI 567722  donor id: ZDD 4963. origin: China. cultivar: Fu yang

PI 567723  donor id: ZDD 4964. origin: China. cultivar: Fu yang
| PI 567725 | donor id: ZDD 4966. **origin:** China. **cultivar:** Fu yang (49). Annual. Cultivated. Seed. |
| PI 567726 | donor id: ZDD 4967. **origin:** China. **cultivar:** Fu yang (50). Annual. Cultivated. Seed. |
| PI 567728 | donor id: ZDD 4969. **origin:** China. **cultivar:** Fu yang (52). Annual. Cultivated. Seed. |
| PI 567732 | donor id: ZDD 4974. **origin:** China. **cultivar:** Fu yang (57). Annual. Cultivated. Seed. |
| PI 567735 | donor id: ZDD 4977. **origin:** China. **cultivar:** Fu yang (60). Annual. Cultivated. Seed. |
| PI 567736 | donor id: ZDD 3766. **origin:** China. **cultivar:** Dong hai bai ta me jia cao. Annual. Cultivated. Seed. |


PI 567758  
**donor id:** ZDD 3941.  
**origin:** China.  
**cultivar:** Pei xian tu shan da ping ding.  
Annual.  
Cultivated.  
Seed.

PI 567759  
**donor id:** ZDD 3951.  
**origin:** China.  
**cultivar:** Pei xian xiao bai jian ke.  
Annual.  
Cultivated.  
Seed.

PI 567760  
**donor id:** ZDD 3887.  
**origin:** China.  
**cultivar:** Pei xian xiao bai pi.  
Annual.  
Cultivated.  
Seed.

PI 567761  
**donor id:** ZDD 3738.  
**origin:** China.  
**cultivar:** Pei xian xiao hong dou.  
Annual.  
Cultivated.  
Seed.

PI 567762  
**donor id:** ZDD 3953.  
**origin:** China.  
**cultivar:** Pei xian xiao huan ke.  
Annual.  
Cultivated.  
Seed.

PI 567763  
**donor id:** ZDD 3952.  
**origin:** China.  
**cultivar:** Pei xian xiao you dou.  
Annual.  
Cultivated.  
Seed.

PI 567764  
**donor id:** ZDD 3826.  
**origin:** China.  
**cultivar:** Sui ning da qing dou yi.  
Annual.  
Cultivated.  
Seed.

PI 567765  
**donor id:** ZDD 3726.  
**origin:** China.  
**cultivar:** Sui ning da si li yi.  
Annual.  
Cultivated.  
Seed.

PI 567766  
**donor id:** ZDD 3829.  
**origin:** China.  
**cultivar:** Sui ning jian ding chun da qin.  
Annual.  
Cultivated.  
Seed.

PI 567767  
**donor id:** ZDD 3934.  
**origin:** China.  
**cultivar:** Tong shan da bai pi.  
Annual.  
Cultivated.  
Seed.

PI 567768  
**donor id:** ZDD 3908.  
**origin:** China.  
**cultivar:** Tong shan da li ping ding huan.  
Annual.  
Cultivated.  
Seed.

PI 567769  
**donor id:** ZDD 3933.  
**origin:** China.  
**cultivar:** Tong shan da mian tao.  
Annual.  
Cultivated.  
Seed.

PI 567770  
**donor id:** ZDD 3895.  
**origin:** China.  
**cultivar:** Tong shan da miao bai jian ke.  
Annual.  
Cultivated.  
Seed.

PI 567771  
**donor id:** ZDD 3896.  
**origin:** China.  
**cultivar:** Tong shan da wu bai jian ke.  
Annual.  
Cultivated.  
Seed.

PI 567772  
**donor id:** ZDD 3721.  
**origin:** China.  
**cultivar:** Tong shan hong mao you.  
Annual.  
Cultivated.  
Seed.

PI 567773  
**donor id:** ZDD 3922.  
**origin:** China.  
**cultivar:** Tong shan huan da dou jia.  
Annual.  
Cultivated.  
Seed.

PI 567774  
**donor id:** ZDD 3897.  
**origin:** China.  
**cultivar:** Tong shan lang pi.  
Annual.  
Cultivated.  
Seed.


PI 567782 to 567787. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: University of Guelph, Crop Science Department, Ontario, Canada. Received April 01, 1993.

PI 567783  
**origin:** Canada. **origin institute:** University of Guelph, Crop Science Department, Ontario Canada. **cultivar:** OAC Eclipse. **pedigree:** Maple Arrow x Williams. **other id:** OAC86-01. **remarks:** Maturity Group 0. Growth habit indeterminate. Plant type upright, intermediate bushiness. Leaves medium green, intermediate length, width and texture. Pubescence tawny, erect, intermediate density. Flowers purple. Pods brown. Seeds dull yellow. Hilum brown with yellow micropyle, medium size. Tolerant to Phytophthora root rot (Phytophthora megasperma). Good yield, lodging resistance and oil content as compared to check varieties in Ontario trials. Showed high seed weight and slightly lower protein content. Annual. Cultivar. Seed.

PI 567784  
**origin:** Canada. **origin institute:** University of Guelph, Crop Science Department, Ontario Canada. **cultivar:** OAC Frontier. **pedigree:** Pioneer 1677(Corsoy(2)xRampage)xMaple Arrow. **other id:** OAC87-02. **remarks:** Maturity Group 00. Growth habit indeterminate. Plant type upright, intermediate bushiness, yellow at maturity. Leaves medium green, intermediate length, width and texture. Pubescence tawny, erect, intermediate density. Flower color purple. Pods light brown, 2.6 seeds per pod. Seed coat dull yellow, shape normal. Size 15.6g/100 seeds. Mod. tolerant to Phytophthora root rot (Phytophthora megasperma). Generally matures a few days earlier than KG30. Possesses improved stalk strength, hence greater lodging resistance. Seed has significantly more oil, but less protein than checks. Annual. Cultivar. Seed.

PI 567785  
**origin:** Canada. **origin institute:** University of Guelph, Crop Science Department, Ontario, Ontario Canada. **cultivar:** OAC Shire. **pedigree:** A80-147002 x A1895. **other id:** OAC 88-08. **remarks:** Maturity Group I. Growth habit indeterminate. Plant type upright, intermediate bushiness. Leaves medium green, intermediate length, width and texture. Flower color purple. Pods light brown, 2.7 seeds per pod. Moderately tolerant to Phytophthora root rot (Phytophthora megasperma). Tolerant to Basagran and Metribuzin. Annual. Cultivar. Seed.


PI 567788 to 567790. Glycine max (L.) Merr. FABACEAE Soybean


PI 567791. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Arizona Agr. Exp. Sta., Arizona, United States; and Agricultural Research Service -- USDA. Received April 01, 1993.


PI 567792 to 567794. Zea mays L. subsp. mays POACEAE Sweet corn


PI 567793 origin: United States. developed: D.W. Davis, D.A. Andow, W.D. Hutchison. origin institute: Minnesota Agr. Exp. Sta., University of Minnesota, Horticultural Science Department, St. Paul, Minnesota 55108 United States. cultivar: A685su. pedigree: Derived from a composite created by intermating five lines: four S6 lines from Apache and one S1 line from Apache S4//Ia453//B52-S6. other id: GP-244. source: Crop Sci. 33(6):1422 1993. group: CSR-MAIZE. restricted: CSR. remarks: Resistant to ear feeding by larvae of the European corn borer (Ostrinia nubilalis). Selfed several generations but retain some variability for plant traits. May find direct use as commercial parents for home garden hybrids, but will require further selection before use as parents of hybrids for the major commercial fresh market and/or processing markets. Plants reach 140 to 160cm and flower at 1440 to 1540 heat units. Breeding Material. Seed.
PI 567792 to 567794-continued

PI 567794  
origin: United States.  
developed: D.W. Davis, D.A. Andow, W.D. Hutchinson.  
cultivar: A686su.  
pedigree: Derived from a composite created by intermating five lines: four S6 lines from Apache and one S1 line from Apache S4//Ia453/B52-S6.  
other id: GP-245.  
group: CSR-MAIZE.  
restricted: CSR.  
remarks: Resistant to ear feeding by larvae of the European corn borer (Ostrinia nubilalis). Sefed several generations but retain some variability for plant traits. May find direct use as commercial parents for home garden hybrids, but will require further selection before use as parents of hybrids for the major commercial fresh market and/or processing markets. Plants reach 140 to 160cm and flower at 1440 to 1540 heat units. Breeding Material. Seed.

PI 567795 to 567811. Sorghum bicolor (L.) Moench POACEAE

Donated by: Han Choi, Byuny, Rural Development Administration, Crop Experiment Station, Suweon 440-100, Korea, Republic of.  
remarks: Received through R.R. Duncan, University of Georgia, Georgia Station, Griffin, GA. Received April 23, 1993.

PI 567795  
origin: Korea, South.  
local name: Danyang Local.  
received as: Sorghum vulgare. Cultivated. Seed.

PI 567796  
origin: Korea, South.  
local name: Pyungchang local.  
received as: Sorghum vulgare. Cultivated. Seed.

PI 567797  
origin: Korea, South.  
local name: Pyungchang local.  
received as: Sorghum vulgare. Cultivated. Seed.

PI 567798  
origin: Korea, South.  
local name: Pyungchang local.  
received as: Sorghum vulgare. Cultivated. Seed.

PI 567799  
origin: Korea, South.  
local name: Pyungchang local.  
received as: Sorghum vulgare. Cultivated. Seed.

PI 567800  
origin: Korea, South.  
local name: Chechon local.  
received as: Sorghum vulgare. Cultivated. Seed.

PI 567801  
origin: Korea, South.  
local name: Cholwon local.  
received as: Sorghum vulgare. Cultivated. Seed.

PI 567802  
origin: Korea, South.  
local name: Myungju local.  
received as: Sorghum vulgare. Cultivated. Seed.

PI 567803  
origin: Korea, South.  
local name: Yungju local.  
received as: Sorghum vulgare. Cultivated. Seed.
PI 567804 origin: Korea, South. local name: Yangyang local. received as: Sorghum vulgare. Cultivated. Seed.

PI 567805 origin: Korea, South. local name: Yanggu local. received as: Sorghum vulgare. Cultivated. Seed.

PI 567806 origin: Korea, South. local name: Hwachon local. received as: Sorghum vulgare. Cultivated. Seed.

PI 567807 origin: Korea, South. local name: Kosong local. received as: Sorghum vulgare. Cultivated. Seed.

PI 567808 origin: Korea, South. local name: Unknown local. received as: Sorghum vulgare. Cultivated. Seed.

PI 567809 origin: Korea, South. local name: Unknown local. received as: Sorghum vulgare. Cultivated. Seed.

PI 567810 origin: Korea, South. local name: Unknown local. received as: Sorghum vulgare. Cultivated. Seed.

PI 567811 origin: Korea, South. local name: Unknown local. received as: Sorghum vulgare. Cultivated. Seed.

PI 567812. Solanum albornozii Correll SOLANACEAE


PI 567813 to 567820. Solanum andreanum Baker SOLANACEAE


PI 567819 donor id: SCLp 5101. origin: Ecuador. collected: May 24, 1991. collector: D.M. Spooner, R. Castillo, L.E. Lopez. collector id: SCLp 5101. other id: BE-3520. other id: Q 28511. locality: Disturbed roadside, 0.5-1.9km west of town square of Santa Barbara on road to El Carmelo, Huaca. latitude: 00 deg. 39 min. N. longitude: 077 deg. 32 min. W. elevation: 2650m. remarks: Corolla rotate-pentagonal, pink to blue. Fruits maturing to mature. 100 fruits collected from 10 plants. Wild. Seed.


PI 567821. Solanum chilliasense Ochoa SOLANACEAE


PI 567822 to 567838. Solanum colombianum Dunal SOLANACEAE


PI 567822 donor id: CPLS 1260b. origin: Colombia. collected: July 20, 1992. collector: R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. collector id: CPLS 1260b. other id: BE-4266. other id: Q 29354. locality: Roadside between shrubs just at edge of road 27km from La Florida to Herrera Tolima, passing through La Diana at Alto de Monserrate in La Ermita. latitude: 03 deg. 21 min. N. longitude: 076 deg. 10 min. W. elevation: 2610m. remarks: Corolla white, 1.6cm diameter. Fruits conical, 2.8 long, 1.8cm wide at base. Apparent insect damage to flowers and fruits. Plants 1.8m tall. 18 fruits collected from 2 plants. Annual. Wild. Seed.


PI 567827 donor id: CPLS 1202. origin: Colombia. collected: July 02, 1992. collector: R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. collector id: CPLS 1202. other id: BE-4266. other id: Q 29315. locality: Road slope next to land slide above town of Calacara at La Linea. Edge of road to TV antennas at 3.5km from deviation of road to La Armenia. latitude: 04 deg. 28 min. N. longitude: 075 deg. 35 min. W. elevation: 3150m. remarks: Plant about 0.8m long. Corolla white, 1.5m diameter. Flowers rotate-sterile. Fruits long-conical, mature, ca 2.5cm long. Annual. Wild. Seed.


PI 567822 to 567838-continued


PI 567831  donor id: CPLS 1212.  origin: Colombia.  collected: July 05, 1992.  collector: R. Castillo, R. Pineda, L. Lopez, D.M. Spooner.  collector id: CPLS 1212.  other id: BE-4266.  other id: Q 29323.  locality: 1.5km E of road going to Nevado de Ruiz, on road from Manizales to Fresno.  latitude: 05 deg. 04 min. N.  longitude: 075 deg. 19 min. W.  elevation: 3310m.  remarks: Corolla white, to 1.7cm wide. Fruits 3.1cm long, 1.7cm wide, tapering at proximal end. Leaves finely pubescent. 10 fruits collected from 2 plants. Annual. Wild. Seed.


PI 567833  donor id: CPLS 1254.  origin: Colombia.  collected: July 18, 1992.  collector: R. Castillo, R. Pineda, L. Lopez, D.M. Spooner.  collector id: CPLS 1254.  other id: BE-4266.  other id: Q 29347.  locality: Open areas in organic soil at Impala, area of Rio Sucubun at Aurelio Cruz's farm, about 2 hours walking or 9km SE by air from Valencia (in Valle de las Papas).  latitude: 01 deg. 50 min. N.  longitude: 076 deg. 30 min. W.  elevation: 3000m.  remarks: Corolla white, 1.8cm diameter. Stems to 1.2m long. Fruits conical, 3cm long, 1.3cm wide. Fruits collected from two plants. Annual. Wild. Seed.
other id: Q 28488.  locality: Wet sandy soil near stream, 31.2km south of junction of road to Giron and Cuenca at Estacion Cumbre, on new road from Cuenca to Loja, Yaritzagua.  latitude: 03 deg. 15 min. N.  longitude: 079 deg. 03 min. W.  elevation: 3270m.  remarks: Corolla light blue, rotate. Fruits conical. Wild. Seed.

other id: Q 28498.  locality: Cornfield, just east of Quebrada Mandur, on farm of Silva family, on north-northwest slopes of Volcan Tungurahua, just off road driving from Riobamba to Banos at Escuela Constancio Vigil, Banos.  latitude: 01 deg. 26 min. N.  longitude: 078 deg. 28 min. W.  elevation: 2900m.  remarks: No flowers or fruits seen but living plant and one mother tuber collected. Fruits collected 6/9/1991. Wild. Seed.

other id: Q 28503.  locality: Clearing in forest, 12.7km from gasoline station at north end of Pilalo on road to La Mana, then 1km north up trail, Pilalo.  latitude: 00 deg. 58 min. N.  longitude: 078 deg. 58 min. W.  elevation: 3300m.  remarks: Corolla rotate, blue. Fruits maturing to mature. 50 fruits collected from 7 plants. Wild. Seed.

other id: Q 28516.  locality: Roadside in full sun, along old Quito-Baeza Road, 7.4km east of statue ov Virgin at crest of Sierra, 7.0km west of police control station, Papallacta.  elevation: 3520m.  remarks: Corolla white, rotate. Fruits conical, maturing to mature. Some plants with pubescent leaves, others with leaves only slightly puberulent and shiny. Wild. Seed.
PI 567822 to 567838-continued


PI 567839. Solanum juglandifolium Dunal SOLANACEAE Potato


PI 567840 to 567842. Solanum lobbianum Bitter SOLANACEAE


PI 567840 donor id: CPLS 1211. origin: Colombia. collected: July 05, 1992. collector: R. Castillo, R. Pineda, L. Lopez, D.M. Spooner. collector id: CPLS 1211. other id: BE-4266. other id: Q 29322. locality: Grassy roadside 1.5km E of road going to Nevado de Ruiz, on road from Manizales to Fresno, 4.5km W of Las Letras at km marker. latitude: 05 deg. 04 min. N. longitude: 075 deg. 19 min. W. elevation: 3310m. remarks: Corolla blue with white star, 2.6mm diameter. Fruits conical, 3.6cm long, 2cm wide. Leaves, calyx, and corolla acumens strigose. 20 fruits collected from 4 plants. Annual. Wild. Seed.
PI 567840 to 567842-continued


PI 567843 to 567845.  Solanum moscopanum Hawkes  SOLANACEAE


PI 567843 to 567845-continued

PI 567844  
**donor id:** CPLS 1256.  **origin:** Colombia.  **collected:** July 19, 1992.  **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner.  **collector id:** CPLS 1256.  **other id:** BE-4266.  **other id:** Q 29348.  **locality:** Small clearing in middle of an isolated primary forest at La Sabana, 1km south of San Pedro, and 38.9km north of deviation of Panamerican Highway on Totoro, on road to Gabriel Lopez.  **latitude:** 02 deg. 31 min.  **longitude:** 076 deg. 17 min.  **W. elevation:** 3200m.  **remarks:** Corolla violet, 2.5 - 2.8cm diameter. Fruits conical but rounded at base, 3.1cm long and 2.1cm wide. Fruits collected from 3 plants. Annual. Wild. Seed.

PI 567845  
**donor id:** CPLS 1257b.  **origin:** Colombia.  **collected:** July 19, 1992.  **collector:** R. Castillo, R. Pineda, L. Lopez, D.M. Spooner.  **collector id:** CPLS 1257b.  **other id:** BE-4266.  **other id:** Q 29350.  **other id:** BR-4266.  **locality:** Roadside between stones and small shrubs, 8km northeast of Gabriel Lopez on road to Inza and La Plata from Totoro.  **latitude:** 02 deg. 30 min.  **longitude:** 076 deg. 13 min.  **W. elevation:** 3290m.  **remarks:** Plants about 40cm tall. Leaves with 5-6 lateral leaflets. Leaves 11cm long and 5cm wide. Corolla violet with a white star, 2.6 - 3.1cm diameter. Fruits conical, rounded at base, 3cm long, 2.2cm wide at base. Fruits collected from 2 plants. Annual. Wild. Seed.

PI 567846. Solanum paucijugum Bitter SOLANACEAE  
**Donated by:** Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received July 16, 1991.  
**donor id:** SCLp 5071.  **origin:** Ecuador.  **collected:** May 11, 1991.  **collector:** D.M. Spooner, R. Castillo, L.E. Lopez.  **collector id:** SCLp 5071.  **other id:** BE-3520.  **other id:** Q 28496.  **locality:** Under bushes and among Stipa itchu, 10.5km W of San Juan, on road to Guaranda by Loma Tililog, on south side of road, Guaranda.  **latitude:** 01 deg. 38 min.  **longitude:** 078 deg. 50 min.  **W. elevation:** 3725m.  **remarks:** Corolla blue, rotate with large acumens. Fruit maturing to mature, short-conical. Wild. Seed.

PI 567847. Solanum regularifolium Correll SOLANACEAE  
**Donated by:** Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received July 16, 1991.
PI 567847-continued

**donor id:** SCLp 5067. **origin:** Ecuador. **collected:** May 10, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5067. **other id:** BE-3569. **other id:** Q 28577. **locality:** Shaded area in moist soil along both sides of upper banks of Río Angas and farther up valley of Quebrada Angas, beginning about 500m east of railroad tracks in Quebrada Angas. Juncal. **latitude:** 02 deg. 23 min. N. **longitude:** 078 deg. 57 min. W. **elevation:** 2950m. **remarks:** Corolla white or light blue, rotate to pentagonal, with large acumens. Fruits not yet formed. Tubers with white skin and white flesh. Wild. Seed.

PI 567848. *Solanum tuberosum* subsp. andigena Hawkes SOLANACEAE White potato

**Donated by:** Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

**donor id:** SCLp 5061. **origin:** Ecuador. **collected:** May 08, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5061. **other id:** BE-3520. **other id:** Q 28492. **other id:** BE-3452. **other id:** Q 28431. **locality:** Farm of Eliseo Castillo on north side of dirt road in San Luis, on road from Biblan to Turupampa. **latitude:** 02 deg. 43 min. N. **longitude:** 078 deg. 54 min. W. **elevation:** 2700m. **remarks:** Above-ground stems dead at this time of year. Round fruits common. Tubers with dark purple flesh, white skin. Said to have been growing wild here for 60+ years. Said to taste excellent. Wild. Seed.

PI 567849. *Solanum tuquerrense* Hawkes SOLANACEAE

**Donated by:** Spooner, D.M., USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received July 16, 1991.

**donor id:** SCLp 5100. **origin:** Ecuador. **collected:** May 24, 1991. **collector:** D.M. Spooner, R. Castillo, L.E. Lopez. **collector id:** SCLp 5100. **other id:** BE-3520. **other id:** Q 28510. **locality:** Organic soil in field by houses at Hacienda Troya, 5.8km east of main road from Tulcan-Quito, less than 1km south of border with Colombia, Tulcan. **latitude:** 00 deg. 44 min. N. **longitude:** 077 deg. 41 min. W. **elevation:** 3230m. **remarks:** Corolla blue, rotate. Fruits maturing to mature, ovate-conical. Leaves shining. Wild. Seed.
PI 567850 to 567852. Cicer arietinum L. FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

PI 567850

PI 567851

PI 567852

PI 567853. Lathyrus sativus L. FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.
PI 567853-continued

**Lathyrus sp.** FABACEAE

* Lathyrus hierosolymitanus Boiss. FABACEAE

PI 567854. Lathyrus sp. FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

**Lathyrus hierosolymitanus Boiss.** FABACEAE


PI 567855 to 567874. Lens culinaris Medikus FABACEAE

Donated by: Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.

PI 567855 to 567874. Lens culinaris Medikus FABACEAE

Legend:

- **donor id:** Unique identifier for the donor of the plant material.
- **origin:** Geographic location where the plant material was collected.
- **collected:** Date when the plant material was collected.
- **collector:** Person or group responsible for collecting the plant material.
- **group:** Classification group assigned to the plant material.
- **locality:** Specific location information about where the plant material was collected.
- **latitude:** Geographic latitude of the collection site.
- **longitude:** Geographic longitude of the collection site.
- **elevation:** Altitude of the collection site.
- **remarks:** Additional comments or notes about the plant material.

These entries provide detailed information about the origin, collection, and characteristics of the plant material, facilitating its identification and use in various agricultural and research applications.
PI 567855

group: W6.  locality: Basaltic soil and rocky. 12km W of Karacadag on road Diyarbakir to Siverek or 2km before Uckuyu Village. Siverek Province.  latitude: 37 deg. 43 min. N.  longitude: 038 deg. 41 min. E.  elevation: 980m.  remarks: Plants very short, cotyledon red. mottled, small. Cultivated. Seed.

PI 567856

group: W6.  locality: Cultivated lentil field with very dry lentil plants stunted within a dense stand of wild oats. Basaltic clay soil with very large cracks. 2km E of Yolboyu Village. 43km E of Karacadag on road Siverek to Diyarbakir.  latitude: 37 deg. 54 min. N.  longitude: 040 deg. 03 min. E.  elevation: 890m.  remarks: Cotyledon short, red. Some mottling. Cultivated. Seed.

PI 567857


PI 567858


PI 567859


PI 567875. Onobrychis sp. FABACEAE

Donated by: Muehlbauer, F. J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W. J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C. R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.


PI 567876 to 567877. Phaseolus vulgaris L. FABACEAE

Donated by: Muehlbauer, F. J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W. J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C. R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.


PI 567878. *Sanguisorba minor* Scop. ROSACEAE

**Donated by:** Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.


PI 567879. *Trigonella foenum-graecum* L. FABACEAE

**Donated by:** Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.


PI 567880. *Vicia sativa* L. FABACEAE

**Donated by:** Muehlbauer, F.J., USDA-ARS, Grain Legume Genetics & Physiology Res., Washington State University, Pullman, Washington 99164-6421, United States; and Kaiser, W.J., USDA-ARS, Western Regional Plant Introduction Sta., Washington State University, Pullman, Washington 99164-6402, United States; and Sperling, C.R., USDA-ARS, National Germplasm Resources Lab, Bldg. 003, Room 402, Beltsville, Maryland 20705-2350, United States. Received March 30, 1993.
PI 567880-continued


PI 567881 to 567893. Vicia faba L. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.


PI 567881 to 567893-continued

PI 567893  
**donor id:** WKT 06.  **origin:** Turkey.  **collected:** July 28, 1985.  **collector:** W.J. Kaiser.  **collector id:** 280785-1104.  **other id:** W6 11512.  **group:** W6.  **locality:** Threshing area at Bacili village, 7km after Ezine on road to Izmir, Canakkale Province.  **elevation:** 120m.  **remarks:** Seed size variable. Cultivated. Seed.

PI 567894. Medicago sativa L. FABACEAE Alfalfa

**Donated by:** Stratton, S.D., FFR Cooperative, 4112 East State Road 225, West Lafayette, Indiana 47906, United States.  **Remarks:** Resistar Alfalfa. Received April 28, 1993.

Medicago sativa L. subsp. sativa FABACEAE Alfalfa

**origin:** United States.  **developed:** S.D. Stratton.  **origin institute:** FFR Cooperative, 4112 East State Road 225, West Lafayette, Indiana 47906 United States.  **cultivar:** RESISTAR.  **pedigree:** Traces to the cultivars Arrow, Centurion, Dart, Sparta and Verta+. Germlasm sources are 5% M. falcata, 5% Ladak, 25% M. varia, 12% Turkistan, 46% Flemish, 7% Chilean, 2% Peruvian, and 2% unknown.  **other id:** W6 11575.  **group:** W6.  **other id:** CV-185.  **source:** Crop Sci. 34(1):305 1994.  **group:** CSR-ALFALFA.  **restricted:** CSR.  **remarks:** Similar in fall dormancy to Saranac. Highly resistant to fusarium wilt (Fusarium oxysporum), Verticillium wilt (Verticillium albo-atrum), and Phytophthora root rot (Phytophthora megasperma f. sp. medicaginis). Resistant to anthracnose (race 1) (Colletotrichum trifolii), bacterial wilt (Clavibacter michiganense subsp. insidiosum), and stem nematode (Ditylenchus dipsaci). Moderately resistant to spotted alfalfa aphid (Theroaphis maculata). Flower color approx. 86% purple, 14% variegated, and a trace of cream, yellow and white. Perennial. Cultivar. Seed.

PI 567895. Sorghum bicolor (L.) Moench POACEAE

**Donated by:** Nordquist, P.T., University of Nebraska - Lincoln, West Central Research & Extension Center, Rt. 4, Box 46A, North Platte, Nebraska 69101, United States. Received April 28, 1993.

**origin:** United States.  **cultivar:** N133. Breeding Material. Seed.

PI 567896. Leymus mollis (Trin.) Pilger POACEAE Beach wildrye

**Donated by:** Wright, S.J., Alaska Plant Materials Center, Div. of Agric., Dep. of Nat. Resources, Palmer, Alaska 99645, United States.  **remarks:** Benson Beach Wildrye. Received April 28, 1993.
PI 567896-continued

origin: United States. developed: Stoney J. Wright. origin institute: Alaska Plant Materials Center, Div. of Agric., Dep. of Nat. Resources, HC 02 Box 7440, Palmer, Alaska 99645 United States. source history: Parental seed collected on Kodiak Island, U.S. Coast Guard Loran Station, Narrow Cape, Kodiak, Alaska. cultivar: BENSON. pedigree: Vegetatively propagated cultivar of a native species. collected: September 09, 1980. other id: AK PMC 80-7. other id: W6 11574. group: W6. other id: CV-161. source: Crop Sci. 34(2):537 1994. group: CSR-OTHER GRASSES. restricted: CSR. remarks: Erect, tall growing, perennial grass adapted to coastal areas. Strongly rhizomatous with some rhizomes growing in excess of 1.5m per year. Usually grows to a height of 1.2m. Leaves tend to be more true green than the closely related cultivar Reeve which is more blue in color. Vegetatively propagated following initial establishment at Palmer. Perennial. Cultivar. Plant.

PI 567897. Poa pratensis L. POACEAE Kentucky bluegrass


PI 567898. Gossypium hirsutum L. MALVACEAE Cotton

Donated by: Delta and Pine Land Company, United States. Received May 03, 1993.


PI 567899. Gossypium hirsutum L. MALVACEAE Cotton

Donated by: Stoneville Pedigreed Seed Company, United States. Received May 03, 1993.

PI 567900. Festuca longifolia Thuill. POACEAE Hard fescue

**Donated by:** Pure-Seed Testing, Inc., United States. Received May 03, 1993.

- **origin:** United States.
- **origin institute:** Pure-Seed Testing, Inc. United States.
- **cultivar:** NORDIC.
- **other id:** PVP 9300191.
- **source:** Pending.
- **group:** PVPO.
- **patent:** PVPO. Cultivar. Seed.

PI 567901. Lactuca sativa L. ASTERACEAE Lettuce

**Donated by:** Brinker Orsetti Seed Company, Inc, United States. Received May 03, 1993.

- **origin:** United States.
- **origin institute:** Brinker Orsetti Seed Company, Inc. United States.
- **cultivar:** WESTLAND.
- **other id:** PVP 9300193.
- **source:** Pending.
- **group:** PVPO.
- **patent:** PVPO. Cultivar. Seed.

PI 567902. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Ohio Agr. Research & Development Center, Ohio, United States; and Agricultural Research Service -- USDA. Received May 03, 1993.

- **origin:** United States.
- **origin institute:** Ohio Agr. Research & Development Center, Wooster, Ohio United States.
- **cultivar:** CHARLESTON. **pedigree:** HC74-643RE (Williams x Ransom) x HC78-676 (L70T543G x L74D-619).
- **other id:** PVP 9300194.
- **source:** Pending.
- **group:** PVPO.
- **other id:** HC85-6724. **patent:** PVPO. **remarks:** Mid-group III determinate semidwarf variety. Flowers purple, tawny pubescence, tan pods at maturity and yellow seeds with black hilum. Superior yield potential. Frequently exceeded 4700 kg/ha (70 bu/A) in yield. Highly tolerant to Phytophthora root rot. Cultivar. Seed.

PI 567903. Zea mays L. subsp. mays POACEAE Field corn

**Donated by:** DowElanco, United States. Received May 03, 1993.

- **origin:** United States.
- **origin institute:** DowElanco United States.
- **cultivar:** CL614. **other id:** PVP 9300195.
- **source:** Pending.
- **group:** PVPO.
- **patent:** PVPO. Cultivar. Seed.
PI 567904. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Delta and Pine Land Company, United States. Received May 03, 1993.


PI 567905. X Triticosecale sp. POACEAE Spring triticale

Donated by: Agrecol Corporation, United States. Received May 03, 1993.


PI 567906. Festuca rubra var. commutata Gaudin POACEAE Chewings fescue


PI 567907. Triticum aestivum L., nom. cons. POACEAE Soft red winter wheat

Donated by: Northrup King Company, United States. Received May 03, 1993.


PI 567908. Festuca arundinacea Schreber POACEAE Tall fescue

Donated by: Lofts Seed, Inc., United States. Received May 03, 1993.

PI 567909 to 567952. Sorghum bicolor (L.) Moench  POACEAE

Donated by: Daxiang, T., Institute of Crop Germplasm Resources, Chinese Academy of Agricultural Sciences, 30 Bai Shi Qino Road, Beijing, China. remarks: Received through China-United States Sorghum Germplasm Exchange Program. Quarantine inspection ref. BE 4435. Received April 20, 1993.


PI 567920  origin: China.  cultivar: DA HONG PAO.  other id: 00091.  group: CAAS.  Landrace.  Seed.


99
| PI 567933 | donor id: 408. origin: China. cultivar: ER HUANG JIN. other id: 00130. group: CAAS. Cultivar. Seed. |
| PI 567934 | donor id: 5000. origin: China. cultivar: ER JIE ZI. other id: 00131. group: CAAS. Cultivar. Seed. |
PI 567936  
**origin:** China.  
**cultivar:** ER PU LI.  
**other id:** 00133.  
**group:** CAAS. Cultivar. Seed.  

PI 567937  
**donor id:** 4993.  
**origin:** China.  
**cultivar:** ER QING.  
**other id:** 00134.  
**group:** CAAS. Cultivar. Seed.  

PI 567938  
**donor id:** 5507.  
**origin:** China.  
**cultivar:** FAN GAO LIANG.  
**other id:** 00139.  
**group:** CAAS. Landrace. Seed.  

PI 567939  
**donor id:** 5603.  
**origin:** China.  
**cultivar:** GAO LIANG.  
**other id:** 00143.  
**group:** CAAS. Cultivar. Seed.  

PI 567940  
**donor id:** 2143.  
**origin:** China.  
**cultivar:** GU LI CANG.  
**other id:** 00145.  
**group:** CAAS. Cultivar. Seed.  

PI 567941  
**donor id:** 5456.  
**origin:** China.  
**cultivar:** GUAN DONG GAO LIANG.  
**other id:** 00146.  
**group:** CAAS. Cultivar. Seed.  

PI 567942  
**donor id:** 5812.  
**origin:** China.  
**cultivar:** HEI KE ZI.  
**other id:** 00166.  
**group:** CAAS. Landrace. Seed.  

PI 567943  
**donor id:** 898.  
**origin:** China.  
**cultivar:** HEI LAO GUA FAN BAI YAN (FU YANG).  
**other id:** 00167.  
**group:** CAAS. Landrace. Seed.  

PI 567944  
**donor id:** 3272.  
**origin:** China.  
**cultivar:** HONG KE (JIN XIAN).  
**other id:** 00214.  
**group:** CAAS. Landrace. Seed.  

PI 567945  
**donor id:** 667.  
**origin:** China.  
**cultivar:** HONG KE JIAO ZI.  
**other id:** 00223.  
**group:** CAAS. Landrace. Seed.  

PI 567946  
**donor id:** 5357.  
**origin:** China.  
**cultivar:** HONG KE ZI.  
**other id:** 00228.  
**group:** CAAS. Landrace. Seed.  

PI 567947  
**donor id:** 679.  
**origin:** China.  
**cultivar:** HONG LIU ZI (DING YUAN).  
**other id:** 00229.  
**group:** CAAS. Landrace. Seed.  

PI 567948  
**origin:** China.  
**cultivar:** JIN GUANG GAO LIANG.  
**other id:** 00273.  
**group:** CAAS. Cultivar. Seed.  

PI 567949  
**donor id:** 794.  
**origin:** China.  
**cultivar:** JIN LIANG 5 HAO.  
**other id:** 00274.  
**group:** CAAS. Cultivar. Seed.  

PI 567950  
**donor id:** 610.  
**origin:** China.  
**cultivar:** LAO HONG SHU SHU (TAI HE).  
**other id:** 00286.  
**group:** CAAS. Landrace. Seed.  

PI 567951  
**donor id:** 5331.  
**origin:** China.  
**cultivar:** LAO YA ZUO.  
**other id:** 00288.  
**group:** CAAS. Landrace. Seed.
PI 567909 to 567952-continued


PI 567953 to 568053.  Sorghum bicolor (L.) Moench  POACEAE

Donated by: Jianhua, R., Institute of Crop Germplasm Resources, Shanxi Academy of Agricultural Science, Taiyuan, Shanxi 0300031, China.  remarks: Received through China-United States Sorghum Germplasm Exchange Program.  Quarantine inspection ref. BE 4615.  Received May 03, 1993.


PI 567953 to 568053-continued

PI 567966  donor id: 1836. origin: China.  

PI 567967  donor id: 1838. origin: China.  

PI 567968  donor id: 1841. origin: China.  

PI 567969  donor id: 1842. origin: China.  

PI 567970  donor id: 1845. origin: China.  

PI 567971  donor id: 1846. origin: China.  

PI 567972  donor id: 1848. origin: China.  
cultivar: DA NIU XIN. locality: Jing Le. Cultivar. Seed.

PI 567973  donor id: 1850. origin: China.  

PI 567974  donor id: 1851. origin: China.  

PI 567975  donor id: 1852. origin: China.  

PI 567976  donor id: 1854. origin: China.  

PI 567977  donor id: 1857. origin: China.  

PI 567978  donor id: 1859. origin: China.  

PI 567979  donor id: 1862. origin: China.  

PI 567980  donor id: 1863. origin: China.  

PI 567981  donor id: 1870. origin: China.  

PI 567982  donor id: 1872. origin: China.  


PI 568017  donor id: 1951.  origin: China.  cultivar: MU GE WO. 

PI 568018  donor id: 1953.  origin: China.  cultivar: MU GE WO. 
locality: Qing Xu.  Cultivar.  Seed.

PI 568019  donor id: 1958.  origin: China.  cultivar: LIU YUE XIAN. 
locality: Da Tong.  Cultivar.  Seed.

PI 568020  donor id: 1966.  origin: China.  cultivar: FENG SHOU SI 

PI 568021  donor id: 1968.  origin: China.  cultivar: YUN ZHONG XING 

PI 568022  donor id: 1969.  origin: China.  cultivar: FEN LU MEI. 
locality: Guang Ling.  Cultivar.  Seed.

PI 568023  donor id: 1972.  origin: China.  cultivar: BAI GAO LIANG. 
locality: Lan Xian.  Cultivar.  Seed.

PI 568024  donor id: 1975.  origin: China.  cultivar: BAI GAO LIANG. 
locality: Zuo Quan.  Cultivar.  Seed.

PI 568025  donor id: 1979.  origin: China.  cultivar: BAI GAO LIANG. 
locality: Gao Ping.  Cultivar.  Seed.

PI 568026  donor id: 1980.  origin: China.  cultivar: BAI JIAO. 
locality: Zuo Quan.  Cultivar.  Seed.

PI 568027  donor id: 1982.  origin: China.  cultivar: BAI YING JIAO. 

PI 568028  donor id: 1983.  origin: China.  cultivar: BAI NING JIAO. 
locality: Yuan Ping.  Cultivar.  Seed.

PI 568029  donor id: 1995.  origin: China.  cultivar: BAI RUAN JIAO. 


PI 568031  donor id: 2010.  origin: China.  cultivar: DA LUO CHUI. 
locality: Zuo Quan.  Cultivar.  Seed.

PI 568032  donor id: 2012.  origin: China.  cultivar: DA LUO GE TA. 

PI 568033  donor id: 2013.  origin: China.  cultivar: JIU GAO LIANG. 
locality: He Qu.  Cultivar.  Seed.
PI 568034


PI 568035


PI 568036


PI 568037


PI 568038


PI 568039


PI 568040


PI 568041


PI 568042


PI 568043


PI 568044


PI 568045


PI 568046


PI 568047


PI 568048


PI 568049


PI 568050


PI 568054 to 568103. Medicago ruthenica (L.) Trautv.  FABACEAE

Donated by: Teuber, L.R., University of California, Dept. of Agronomy & Range Management, Davis, California 95616-8515, United States. Received February 03, 1992.


PI 568059  
**origin:** China.  
**collected:** August 30, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 42.  
**other id:** W6 9902.  
**group:** W6.  
**locality:** Hilly area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun. Grassland with large rolling hills. Bottom of hill, in and near dry creek bed. 70% ground cover. 40km SE of Xlinhot.  
**latitude:** 43 deg. 53 min. N.  
**longitude:** 116 deg. 20 min. E.  
**remarks:** Many plants upright. Plants more vigorous due to better moisture. Associated with Leymus sp., M. sativa ssp. sativa and falcata. 100 plants sampled. 4 M. ruthenica/m. Perennial. Wild. Seed.

PI 568060  
**origin:** China.  
**collected:** August 30, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 43.  
**other id:** W6 9903.  
**group:** W6.  
**locality:** Hilly Sandy loam, few stones, 2 deg. slope, 255 deg. aspect. Grassland with large rolling hills. Bottom of hill across dry creek. 70% vegetation. 40km SE of Xlinhot.  
**latitude:** 43 deg. 53 min. N.  
**longitude:** 116 deg. 20 min. E.  
**elevation:** 1105m.  
**remarks:** Many plants quite vigorous. Plants more vigorous due to better moisture. Associated with Stipa sp., Agropyron cristatum, Artemisia sp., M. sativa ssp. sativa and falcata. 100 plants sampled. 4 M. ruthenica/m. Perennial. Wild. Seed.

PI 568061  
**origin:** China.  
**collected:** August 30, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 45.  
**other id:** W6 9905.  
**group:** W6.  
**locality:** Hilly area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun, 2 deg. slope, 240 deg. aspect. Grassland with large rolling hills. Some grazing. 90% ground cover. Est. 1200kg/ha biomass. 40km SE of Xlinhot.  
**latitude:** 43 deg. 53 min. N.  
**longitude:** 116 deg. 20 min. E.  
**elevation:** 1128m.  
**remarks:** Plants procumbent to upright. Exposed to wind. Associated with Agrostis sp., Leymus chinensis, Agropyron cristatum, Potentilla sp. Few plants sampled. 8 M. ruthenica/m. Perennial. Wild. Seed.
PI 568054 to 568103-continued

PI 568062  
**origin:** China.  
**collected:** August 30, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 46.  
**other id:** W6 9906.  
**group:** W6.  
**locality:** Hilly area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 7.6. Full sun, 45 deg. slope, 200 deg. aspect. Grassland with large rolling hills. Bank of dry stream, some grazing. 40% ground cover. 40km SE of Xlinhot.  
**latitude:** 43 deg. 53 min. N.  
**longitude:** 116 deg. 20 min. E.  
**elevation:** 1128m.  
**remarks:** Plants procumbent to upright. Associated with Agropyron cristatum, Iris sp., Rubus sp., Medicago sativa ssp. falcata. 75 plants sampled. 4 M. ruthenica/m. Perennial. Wild. Seed.

PI 568063  
**origin:** China.  
**collected:** August 31, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 47.  
**other id:** W6 9907.  
**group:** W6.  
**locality:** Rolling area on Mongolian Plateau. Sandy soil, few stones, good drainage, pH 6.7. Full sun, 0 slope, flat. Grassland with sparsely veg. dunes. Near bldgs. & along research plots. 80% ground cover. Ecological res. 75km SE of Xlinhot.  
**latitude:** 43 deg. 35 min. N.  
**longitude:** 116 deg. 15 min. E.  
**elevation:** 1150m.  

PI 568064  
**origin:** China.  
**collected:** August 31, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 50.  
**other id:** W6 9910.  
**group:** W6.  
**locality:** Rolling area on Mongolian Plateau. Sand, few stones, good drainage, pH 6.4. Full sun, 40 deg. slope, valley. Grassland with large dunes. Very dry sandy area along valley between dunes. 35% ground cover. Ecological res. 75km SE of Xlinhot.  
**latitude:** 43 deg. 35 min. N.  
**longitude:** 116 deg. 15 min. E.  
**elevation:** 1175m.  


PI 568068  
**origin:** China.  
**collected:** September 01, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 57.  
**other id:** W6 9917.  
**group:** W6.  
**locality:** Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage. Full sun, 20 deg. slope, 240 deg. aspect. 10km S of headquarters. Grassland, some grazing. 45% ground cover. Ecological reserve 75km S of Xlinhot.  
**latitude:** 43 deg. 35 min. N.  
**longitude:** 116 deg. 15 min. E.  
**elevation:** 1120m.  
.2 M. ruthenica/m.  
Perennial. Wild. Seed.

PI 568069  
**origin:** China.  
**collected:** September 01, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 60.  
**other id:** W6 9920.  
**group:** W6.  
**locality:** Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.7. Full sun, 10 deg. slope, 330 to 370 deg. aspect. 10km S of headquarters. Heavy grass. 70% ground cover. Ecological reserve 75km SE of Xlinhot.  
**latitude:** 43 deg. 35 min. N.  
**longitude:** 116 deg. 15 min. E.  
**elevation:** 1142m.  
**remarks:** At bottom of large hill. Associated with Stipa sp., Agropyron cristatum, Artemisia sp.  
.2 M. ruthenica/m.  
Perennial. Wild. Seed.

PI 568070  
**origin:** China.  
**collected:** September 02, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 62.  
**other id:** W6 9922.  
**group:** W6.  
**locality:** Rolling area on Mongolian Plateau. Sandy loam, many stones, good drainage, pH 6.8. Full sun, 0 slope, level. 20km SW of headquarters, fenced grassland, minor grazing. 70% ground cover. Ecological reserve 75km SE of Xlinhot.  
**latitude:** 43 deg. 35 min. N.  
**longitude:** 116 deg. 15 min. E.  
**elevation:** 1028m.  
**remarks:** Many plants upright and vigorous. Associated with Stipa sp., Agropyron cristatum, Artemisia sp., Leymus chinensis. Abundant vegetation including M. ruthenica. Some pumice present. Hay harvested 1x/yr. Estimated 1500 kg/ha biomass. 70 plants sampled. 3 M. ruthenica/m.  
Perennial. Wild. Seed.
PI 568071  
origin: China.  
collected: September 02, 1991.  
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
collector id: CTM 63.  
other id: W6 9923.  
group: W6.  
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 7.1. Full sun, 0 slope, level. 20km SW of headquarters, fenced grassland, minor grazing. 70% ground cover. Ecological reserve 75km SE of Xlinhot.  
latitude: 43 deg. 35 min. N.  
longitude: 116 deg. 15 min. E.  
elevation: 1028m.  

PI 568072  
origin: China.  
collected: September 02, 1991.  
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
collector id: CTM 64.  
other id: W6 9924.  
group: W6.  
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.9. Full sun, 0 slope, level. 20km SW of headquarters, fenced grassland, minor grazing. 70% ground cover. Ecological reserve 75km SE of Xlinhot.  
latitude: 43 deg. 35 min. N.  
longitude: 116 deg. 15 min. E.  
elevation: 1028m.  

PI 568073  
origin: China.  
collected: September 02, 1991.  
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
collector id: CTM 65.  
other id: W6 9925.  
group: W6.  
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 7.2. Full sun, 0 slope, level. 20km SW of headquarters, grassland, grazed. 50% ground cover. Ecological reserve 75km SE of Xlinhot.  
latitude: 43 deg. 35 min. N.  
longitude: 116 deg. 15 min. E.  
elevation: 1028m.  
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.9. Full sun, 15 deg. slope, 40 deg. aspect. 20km SW of headquarters.
Grassland, grazed. 50% ground cover. Ecological reserve 75km SE of Xlinhot. latitude: 43 deg. 35 min. N. longitude: 116 deg. 15 min. E. elevation: 1096m.

collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CMT 68. other id: W6 9928. group: W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.7. Full sun, 20 deg. slope, 40 deg. aspect. 20km SW of headquarters.
Grassland, grazed. 50% ground cover. Ecological reserve 75km SE of Xlinhot. latitude: 43 deg. 35 min. N. longitude: 116 deg. 15 min. E. elevation: 1096m.
remarks: Some plants quite vigorous and semi-upright; a few found in a swale. Associated with Stipa sp., Agropyron cristatum, Artemisia sp., Leymus chinensis, Ambrosia sp., Allium sp. Considerable pumice present. Marked change to a high number of Aster sp. Estimated 1000 kg/ha biomass. 50 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.

collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CMT 69. other id: W6 9929. group: W6.
locality: Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.8. Full sun, 30 deg. slope, 55 deg. aspect. 20km SW of headquarters.
Grassland, grazed. 50% ground cover. Ecological reserve 75km SE of Xlinhot. latitude: 43 deg. 35 min. N. longitude: 116 deg. 15 min. E. elevation: 1096m.
remarks: Some plants quite vigorous and upright. Plants found on both sides within a 2m deep gully. Associated with Stipa sp., Agropyron cristatum, Artemisia sp., Leymus chinensis, Ambrosia sp., Allium sp. Considerable pumice present. 1000 kg/ha biomass produced. 75 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.
PI 568077  
**origin:** China.  **collected:** September 02, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 70.  **other id:** W6 9930.  **group:** W6.  
**locality:** Rolling area on Mongolian Plateau. Sandy loam, some stones, good drainage, pH 6.8. Full sun, 45 deg. slope, 10 and 80 deg. aspect. 20km SW of headquarters. Grassland, grazed. 50% ground cover. Ecological reserve 75km SE of Xlinhot.  
**latitude:** 43 deg. 35 min. N.  
**longitude:** 116 deg. 15 min. E.  
**elevation:** 1127m.  
**remarks:** Some plants unusually vigorous and upright, perhaps as a response to better fertility. Near crest of hill. Associated with Stipa sp., Agropyron cristatum, Artemisia sp., Leymus chinensis, Ambrosia sp., Allium sp. Some pumice present. 75 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.

PI 568078  
**origin:** China.  **collected:** September 03, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 71.  **other id:** W6 9931.  **group:** W6.  
**locality:** Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun, 15 deg. slope, 180 deg. aspect. Near Shan Ya forest, 10km NE of headquarters. Mountain meadow, grazed. Ecological reserve 75km SE of Xlinhot.  
**latitude:** 43 deg. 35 min. N.  
**longitude:** 116 deg. 15 min. E.  
**elevation:** 1249m.  

PI 568079  
**origin:** China.  **collected:** September 03, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 72.  **other id:** W6 9932.  **group:** W6.  
**locality:** Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun, 20 deg. slope, 270 deg. aspect. Near Shan Ya forest, 10km NE of headquarters. Mountain meadow, grazed. Ecological reserve 75km SE of Xlinhot.  
**latitude:** 43 deg. 35 min. N.  
**longitude:** 116 deg. 15 min. E.  
**elevation:** 1295m.  
PI 568080  
**origin:** China.  **collected:** September 03, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 74.  **other id:** W6 9934.  **group:** W6.  
**locality:** Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun, 0-50 deg. slope, west aspect. Near Shan Ya forest, 10km NE of headquarters on ridge. Ecological reserve 75km SE of Xlinhot.  
**latitude:** 43 deg. 35 min. N.  
**longitude:** 116 deg. 15 min. E.  
**elevation:** 1341m.  
**remarks:** Some plants unusually vigorous and producing abundant seed with some pods not dehiscing. Very dry with sparse vegetation, but many poplar (Populus sp.) trees scattered around population. Associated with Polygonum viviparum, Stipa sp., Agropyron cristatum, Caragana intramongolica. 30 plants sampled. Perennial. Wild. Seed.

PI 568081  
**origin:** China.  **collected:** September 04, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 76.  **other id:** W6 9936.  **group:** W6.  
**locality:** Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.3. Full sun, 5 deg. slope, 170 deg. aspect. Kaqu, 10km S of headquarters. Along unpaved road and next to mowed field. Ecological reserve 75km SE of Xlinhot.  
**latitude:** 43 deg. 35 min. N.  
**longitude:** 116 deg. 15 min. E.  
**elevation:** 1249m.  

PI 568082  
**origin:** China.  **collected:** September 04, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 77.  **other id:** W6 9937.  **group:** W6.  
**locality:** Rolling area on Mongolian Plateau. Sandy loam, few stones, good drainage, pH 6.4. Full sun, 10 deg. slope, 170 deg. aspect. Kaqu, 10km S of headquarters. Along roadway, next to mowed field. Ecological reserve 75km SE of Xlinhot.  
**latitude:** 43 deg. 35 min. N.  
**longitude:** 116 deg. 15 min. E.  
**elevation:** 1249m.  
PI 568083
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
collector id: CTM 78. other id: W6 9938. group: W6.

PI 568084
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.

PI 568085
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.

PI 568086
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.
locality: Rolling grassland surrounded by mountains. Sandy soil, few stones, good drainage, pH 7.3. Full sun, 5 deg. slope, 360 deg. aspect. Salt marsh area near small salt lake. Well vegetated. Yue Jin Su (Xi-XR), 25km W of Xlinhot. latitude: 43 deg. 58 min. N. longitude: 115 deg. 55 min. E. elevation: 922m. remarks: Many plants vigorous, dark green. Quite a few plants found along drainage ditch. 40% ground cover. 30 plants sampled. Perennial. Wild. Seed.
PI 568087

**origin:** China.  **collected:** September 06, 1991.
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.
**collector id:** CTM 82.  **other id:** W6 9942.  **group:** W6.
**locality:** Rolling grassland surrounded by mountains. Sandy soil, some stones, good drainage, pH 7.2. Full sun, 50 deg. slope, 360 deg. aspect. Steep bank. Mod. to sparse vegetation, some pumice outcroppings. Yue Jin Su (Xi-XR), 25km W of Xlinhot.  **latitude:** 43 deg. 58 min. N.  **longitude:** 115 deg. 55 min. E.  **elevation:** 929m.
**remarks:** Many large plants with tendency toward procumbency. Many pods/plant and many pods were quite large. 40% ground cover. Associated with Achnatherum sp., Artemisia sp. 50 plants sampled. Perennial. Wild. Seed.

PI 568088

**origin:** China.  **collected:** September 06, 1991.
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.
**collector id:** CTM 86.  **other id:** W6 9946.  **group:** W6.
**locality:** Rolling grassland surrounded by mountains. Sandy soil, few stones, good drainage, pH 6.5. Full sun, 30 deg. slope, 265 deg. aspect. Hillside, many large outcroppings. Moderate vegetation. Bai Da Huag, 45km W of Xlinhot.  **latitude:** 43 deg. 58 min. N.  **longitude:** 115 deg. 30 min. E.  **elevation:** 1066m.  **remarks:** Many plants upright, vigorous, but most with few seeds. Associated with Astragalus sp. 50 plants sampled. Perennial. Wild. Seed.

PI 568089

**origin:** China.  **collected:** September 06, 1991.
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.
**collector id:** CTM 87.  **other id:** W6 9947.  **group:** W6.
**locality:** Rolling grassland surrounded by mountains. Sandy soil, few stones, good drainage, pH 6.7. Full sun, 0-20 deg., basin to 340 deg. aspect. Flat basin to sloped area with moderate vegetation. Bai Da Huag, 45km W of Xlinhot.  **latitude:** 43 deg. 58 min. N.  **longitude:** 115 deg. 30 min. E.  **elevation:** 1082m.  **remarks:** Many plants upright, some with considerable larval feeding. Some large outcroppings on slope, 30% ground cover. Associated with Artemisia sp., Stipa sp., Agropyron cristatum. 75 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.
PI 568090  origin: China.  

collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.

collector id: CTM 88.  other id: W6 9948.  group: W6.

locality: Rolling grassland surrounded by mountains. Sand soil, some stones, good drainage, pH 7.0. Full sun, 15 deg. slope, 240 deg. aspect. Sand dune area with sparse vegetation. 10% ground cover. Rt. 307, 37km S of Xilinhot. latitude: 43 deg. 40 min. N. longitude: 116 deg. 20 min. E.  

PI 568091  origin: China.  

collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.

collector id: CTM 89.  other id: W6 9949.  group: W6.

locality: Rolling grassland surrounded by mountains. Sand soil, some stones, good drainage, pH 6.8. Full sun, 0 slope, draw. Sand dune with sparse vegetation. 30% ground cover. Rt. 307, 37km S of Xilinhot. latitude: 43 deg. 40 min. N. longitude: 116 deg. 20 min. E.  

PI 568092  origin: China.  

collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.

collector id: CTM 90.  other id: W6 9950.  group: W6.

locality: Rolling grassland surrounded by mountains. Sand soil, some stones, good drainage, pH 6.6. Full sun, 15 deg. slope, N face of draw, across highway (300m). Sand dune with sparse vegetation. Rt. 307, 37km S of Xilinhot. latitude: 43 deg. 40 min. N. longitude: 116 deg. 20 min. E.  
elevation: 1127m.  remarks: Plants quite vigorous with moderate seed production. 30% ground cover. Associated with Stipa sp., Agropyron cristatum, Artemisia sp., Medicago sativa ssp. sativa. Estimated 600 kg/ha biomass. 25 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.
PI 568093  
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
collector id: CTM 91. other id: W6 9951. group: W6.  
locality: Rolling grassland surrounded by mountains. Sand soil, some stones, good drainage, pH 6.6. Full sun, 0-50 deg. slope, Bottom and N face of 9m sand dune. Moderate vegetation. Near farm road, Rt. 307, 36km S of Xilinhot.  

PI 568094  
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.  

PI 568095  
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
collector id: CTM 93. other id: W6 9953. group: W6.  
PI 568096

date: September 12, 1991.

origin: China.

collected: T.A. Campbell, L.R. Teuber, D.P. Mowrey.

locality: Mountain slope. Sandy loam, many stones, good drainage. Full sun, 30 deg. slope. Next to main road through mountains on military preserve. Da Qi Mountians, 24km N of Hohhot.

latitude: 41 deg. 00 min. N.

longitude: 111 deg. 30 min. E.


PI 568097

date: September 12, 1991.

origin: China.

collected: T.A. Campbell, L.R. Teuber, D.P. Mowrey.


latitude: 41 deg. 50 min. N.

longitude: 111 deg. 25 min. E.

elevation: 1500m.


PI 568098

date: September 12, 1991.

origin: China.

collected: T.A. Campbell, L.R. Teuber, D.P. Mowrey.


latitude: 41 deg. 53 min. N.

longitude: 111 deg. 25 min. E.

remarks: Plants procumbent. Pods open but most seeds green. 25% ground cover. Associated with Agropyron cristatum, Agropyron mongolicum, Stipa sp., Potentilla sp., Artemisia sp. 75 plants sampled. 0.5 M. ruthenica/m. Perennial. Wild. Seed.
collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
collector id: CTM 98.  other id: W6 9958.  group: W6. 
locality: Rolling plateau. Sandy soil, few stones, good 
  drainage, pH 7.0. Full sun. Strip with considerably less 
  vegetation than surrounding area, 2.2km NW of main road. 
  Heavily grazed. Zouhe, 78km N of Hohhot.  latitude: 41 
  deg. 53 min. N. longitude: 111 deg. 25 min. E.  remarks: 
  Plants procumbent, some vigorous. 25% ground cover. 
  Associated with Agropyron cristatum, Agropyron 
  mongolicum, Stipa sp., Potentilla sp., Artemisia sp. 75 
  plants sampled. .5 M. ruthenica/m. Perennial. Wild. 
  Seed.

collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
collector id: CTM 100.  other id: W6 9960.  group: W6. 
locality: Rolling plateau. Sandy loam, many stones, good 
  drainage, pH 7.1. Full sun. Flat area near main road, 
  moderate vegetation grazed. Most plants found in dry 
  flood plain. SW of Four Group of Zouhe Temple (5km), 78km 
  N of Hohhot.  latitude: 41 deg. 53 min. N. longitude: 
  111 deg. 25 min. E. elevation: 1432m.  remarks: Plants 
  vigorous with abundant seed, procumbent. Some black aphid 
  noted. 30% ground cover. Associated with Achnatherum sp., 
  Agropyron cristatum, Agropyron mongolicum, Stipa sp., 
  Potentilla sp., Artemisia sp. 200 kg/ha biomass. .2 M. 
  ruthenica/m. Perennial. Wild. Seed.

collector: T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
locality: Rolling plateau. Sandy loam, few stones, good 
  drainage, pH 7.3. Full sun. Sparsely vegetated area near 
  marsh. Some tall grass, grazed. Zouhe, 78km N of Hohhot. 
  latitude: 41 deg. 53 min. N. longitude: 111 deg. 25 min. 
  E. elevation: 1462m.  remarks: Plants procumbent. 30% 
  ground cover. Associated with Achnatherum sp., Agropyron 
  cristatum, Agropyron mongolicum, Stipa sp., Potentilla 
  sp., Artemisia sp. 100 plants sampled. .2 M. ruthenica/m. 
  Perennial. Wild. Seed.
PI 568054 to 568103—continued

PI 568102  
**origin:** China.  **collected:** September 14, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 104.  **other id:** W6 9964.  **group:** W6.  
**locality:** Fairly flat inter-mountain area. Sandy loam, few stones, good drainage, pH 7.2. Full sun, flat. Farm land. Moderate vegetation. May have high salt content. Che Yan Sunn, 22km W of Hohhot and 6km S of Hu Bao.  
**latitude:** 40 deg. 40 min. N. **longitude:** 111 deg. 15 min. E.  
**elevation:** 868m.  **remarks:** Collection area very small. Plants procumbent, a few more vigorous. 30% ground cover. Associated with Setaria sp., Artemisia sp., Unidentified forbs. 10 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.

PI 568103  
**origin:** China.  **collected:** September 14, 1991.  
**collector:** T.A. Campbell, L.R. Teuber, D.P. Mowrey.  
**collector id:** CTM 105.  **other id:** W6 9965.  **group:** W6.  
**locality:** Fairly flat inter-mountain area. Sandy loam, few stones, good drainage, pH 7.1. Full sun, flat. Farm land. Moderate vegetation. May have high salt content. Che Yan Sunn, 22km W of Hohhot and 6km S of Hu Bao.  
**latitude:** 40 deg. 40 min. N. **longitude:** 111 deg. 15 min. E.  
**elevation:** 868m.  **remarks:** Some plants upright and vigorous. Seed very mature. 30% ground cover. Associated with Setaria sp., Artemisia sp., Unidentified forbs. 75 plants sampled. .2 M. ruthenica/m. Perennial. Wild. Seed.

PI 568104 to 568117.  
*Secale cereale* L.  
**ssp. cereale**  
**POACEAE Rye**  

**Donated by:** Metzger, Robert J., USDA-ARS, Oregon State University, Corvallis, Oregon 97331, United States.  
**remarks:** Seed was increased at the Botanical Garden of the Polish Academy of Sciences under USDA-OICD Project No. PL-ARS-140B. Received May 06, 1993.

PI 568104  
**origin:** Turkey.  **collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS.  
**collector id:** 79TK002-12.  **locality:** 1 km east of Kaman.  **elevation:** 1020m.  
Cultivated. Seed.

PI 568105  
**origin:** Turkey.  **collected:** 1979.  
**collector:** A. Sencer, M. Kanbertay, Aegean Agric. Res. Inst., Menemen R.J. Metzger, J.A. Hoffman, USDA-ARS.  
**collector id:** 79TK008-43.  **locality:** 34km southeast of Bunyan.  
**elevation:** 1430m.  
Cultivated. Seed.


PI 568114  **origin:** Turkey.  **collected:** 1984.  **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS.  **collector id:** 84TK580-001.4.  **locality:** 35km west of Adilcevaz.  **elevation:** 1700m. Cultivated. Seed.

PI 568115  **origin:** Turkey.  **collected:** 1984.  **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS.  **collector id:** 84TK589-003.6.  **locality:** Grazed area east side of Nemrut Lake.  **elevation:** 2750m. Cultivated. Seed.

PI 568116  **origin:** Turkey.  **collected:** 1984.  **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS.  **collector id:** 84TK597-003.15.  **locality:** 19km northeast of Caldiran.  **elevation:** 2175m. Cultivated. Seed.

PI 568117  **origin:** Turkey.  **collected:** 1984.  **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS.  **collector id:** 84TK597-003.2.  **locality:** 19km northeast of Caldiran.  **elevation:** 2175m. Cultivated. Seed.

PI 568118 to 568123.  **Secale sp.**  **POACEAE**  Rye

**Donated by:** Metzger, Robert J., USDA-ARS, Oregon State University, Corvallis, Oregon 97331, United States.  **remarks:** Seed was increased at the Botanical Garden of the Polish Academy of Sciences under USDA-OICD Project No. PL-ARS-140B. Received May 06, 1993.

PI 568118  **origin:** Turkey.  **collected:** 1984.  **collected:** M. Kanbertay, C. Tuten, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS; G. Kimber, Univ. of Missouri.  **collector id:** 84TK259.  **locality:** 15km south of Sogut.  **elevation:** 750m. Cultivated. Seed.

PI 568119  **origin:** Turkey.  **collected:** 1984.  **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS.  **collector id:** 84TK497-001.  **locality:** 39km east of Van; 23km west of Ozalp; 20km west of Iran.  **elevation:** 1875m. Cultivated. Seed.

PI 568120  **origin:** Turkey.  **collected:** 1984.  **collector:** M. Kanbertay, Aegean Agric. Res. Center, Menemen R.J. Metzger, USDA-ARS.  **collector id:** 84TK578-004.  **locality:** 25km west of Adilcevaz.  **elevation:** 1700m. Cultivated. Seed.


PI 568124. Amaranthus cannabinus (L.) J. Sauer  AMARANTHACEAE


PI 568125 to 568131. Amaranthus hypochondriacus L.  AMARANTHACEAE

Donated by: Brenner, David, Plant Introduction Station, Iowa State University, Ames, Iowa 50011, United States. remarks: Male sterile accessions are useful to plant breeders as female parents for making controlled crosses between plants. Because the pollen is sterile, they can't self pollinate, and therefore develop only hybrid seeds. These are selected from parents adapted for agriculture in the northern U.S. Received December 18, 1992.
PI 568125

**donor id:** DB 921.  
**origin:** United States.  
**developed:** D.M. Brenner.  
**origin institute:** Plant Introduction Station, Iowa United States.  
**pedigree:** From a single plant selected for male sterility and open pollinated in the field in 1992. This white seeded plant was from a rare black seed in a K343 (PI 538322) seed lot.  
**other id:** Ames 20090.  
**source:** NC-7.  
**group:** Ames.  
**remarks:** This accession segregates for male sterile plants and variable seed colors. Annual. Breeding Material. Seed.

PI 568126

**donor id:** DB 922.  
**origin:** United States.  
**developed:** D.M. Brenner.  
**origin institute:** Plant Introduction Station, Iowa United States.  
**pedigree:** From four plants selected for male sterility and open pollinated in the field in 1992. These dark brown seeded plants are from rare black seeds in a K343 (PI 538322) seed lot.  
**other id:** Ames 20091.  
**source:** NC-7.  
**group:** Ames.  
**remarks:** This accession segregates for male sterile plants with dark brown seeds. Annual. Breeding Material. Seed.

PI 568127

**donor id:** DB 923.  
**origin:** United States.  
**developed:** D.M. Brenner.  
**origin institute:** Plant Introduction Station, Iowa United States.  
**pedigree:** From two plants selected for male sterility and open pollinated in the field in 1992. Both brown seeded plants were from rare black seeds in a K343 (PI 538322) seed lot.  
**other id:** Ames 20092.  
**source:** NC-7.  
**group:** Ames.  
**remarks:** This accession segregates for male sterile plants and variable seed colors. Annual. Breeding Material. Seed.

PI 568128

**donor id:** DB 924.  
**origin:** United States.  
**developed:** D.M. Brenner.  
**origin institute:** Plant Introduction Station, Iowa United States.  
**pedigree:** From a single plant selected for male sterility and open pollinated in the field in 1992. This white seeded plant was from a translucent white seed in a 'PLAINSMAN' (PI 558499) seed lot.  
**other id:** Ames 20093.  
**source:** NC-7.  
**group:** Ames.  
**remarks:** This accession segregates for male sterile plants with white, yellow, or brown seeds. Annual. Breeding Material. Seed.

PI 568129

**donor id:** DB 925.  
**origin:** United States.  
**developed:** D.M. Brenner.  
**origin institute:** Plant Introduction Station, Iowa United States.  
**pedigree:** From a single plant selected for male sterility and open pollinated in the field in 1992. This white seeded plant was from a rare black seed in a K343 (PI 538322) seed lot.  
**other id:** Ames 20094.  
**source:** NC-7.  
**group:** Ames.  
**remarks:** This accession segregates for male sterile plants with white, yellow, or brown seeds. Annual. Breeding Material. Seed.


PI 568132 to 568153. Amaranthus caudatus L. AMARANTHACEAE

Donated by: Reider, Carolyn, Rodale Research Center, Box 323, Rd. 1, Kutztown, Pennsylvania 19530, United States. remarks: Rodale received seed but never incorporated it into their system. Received June 07, 1990.


PI 568137  
**donor id:** PR-C 01-0006.  
**origin:** Bolivia.  
**developed:** Fermando Guillen Portal.  
**origin institute:** Universidad Boliviana Juan Misael Saracho, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia.  
**source history:** Rodale Research Center PA., received seed from Fermando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.  
**local name:** cuime.  
**other id:** Ames 13869.  
**source:** NC-7.  
**group:** Ames.  
**latitude:** 21 deg. 24 min. S.  
**longitude:** 064 deg. 48 min. W.  
**elevation:** 2110m.  
**remarks:** The inflorescence is purple. Cultivated. Seed.

PI 568138  
**donor id:** PR-C 01-0007.  
**origin:** Bolivia.  
**developed:** Fermando Guillen Portal.  
**origin institute:** Universidad Boliviana Juan Misael Saracho, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia.  
**source history:** Rodale Research Center PA., received seed from Fermando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.  
**local name:** cuime.  
**other id:** Ames 13870.  
**source:** NC-7.  
**group:** Ames.  
**latitude:** 21 deg. 24 min. S.  
**longitude:** 064 deg. 78 min. W.  
**elevation:** 2110m.  
**remarks:** The inflorescence is green or purple. Cultivated. Seed.

PI 568139  
**donor id:** PR-C 01-0008.  
**origin:** Bolivia.  
**developed:** Fermando Guillen Portal.  
**origin institute:** Universidad Boliviana Juan Misael Saracho, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia.  
**source history:** Rodale Research Center PA., received seed from Fermando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.  
**local name:** coime.  
**other id:** Ames 13871.  
**source:** NC-7.  
**group:** Ames.  
**latitude:** 21 deg. 24 min. S.  
**longitude:** 064 deg. 45 min. W.  
**elevation:** 2035m.  
**remarks:** Some of the stems have brown speckles. The inflorescence is rufescent. Cultivated. Seed.

PI 568140  
**donor id:** PR-C 01-0009.  
**origin:** Bolivia.  
**developed:** Fermando Guillen Portal.  
**origin institute:** Universidad Boliviana Juan Misael Saracho, Inst. de Ciencias Y Tecnologia Apropiada, Casilla, Tarija 51 Bolivia.  
**source history:** Rodale Research Center PA., received seed from Fermando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.  
**local name:** coime.  
**other id:** Ames 13872.  
**source:** NC-7.  
**group:** Ames.  
**latitude:** 21 deg. 24 min. S.  
**longitude:** 064 deg. 39 min. W.  
**elevation:** 2114m.  
**remarks:** The inflorescence is purple or green. Cultivated. Seed.
PI 568141

PI 568142

PI 568143

PI 568144


PI 568149  
donor id: PR-C 01-0019.  
origin: Bolivia.  
developed: Fermando Guillen Portal.  
source history: Rodale Research Center PA., received seed from Fermando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.  
local name: coime.  
other id: Ames 13882.  
source: NC-7.  
group: Ames.  
latitude: 21 deg. 31 min. S.  
latitude: 64 deg. 43 min. W.  
elevation: 1890m.  
remarks: The inflorescence is pink. Cultivated. Seed.

PI 568150  
donor id: PR-C 01-0020.  
origin: Bolivia.  
developed: Fermando Guillen Portal.  
source history: Rodale Research Center PA., received seed from Fermando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.  
local name: coime.  
other id: Ames 13883.  
source: NC-7.  
group: Ames.  
latitude: 21 deg. 31 min. S.  
latitude: 64 deg. 43 min. W.  
elevation: 1890m.  
remarks: Some of the stems have brown speckles. The inflorescence is pink. Cultivated. Seed.

PI 568151  
donor id: PR-C 01-0021.  
origin: Bolivia.  
developed: Fermando Guillen Portal.  
source history: Rodale Research Center PA., received seed from Fermando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.  
local name: coime.  
other id: Ames 13884.  
source: NC-7.  
group: Ames.  
latitude: 21 deg. 31 min. S.  
latitude: 64 deg. 43 min. W.  
elevation: 1890m.  
remarks: The inflorescence is pink. Cultivated. Seed.

PI 568152  
donor id: PR-C 01-0022.  
origin: Bolivia.  
developed: Fermando Guillen Portal.  
source history: Rodale Research Center PA., received seed from Fermando Guillen Portal of Universidad Boliviana Juan Misael Saracho, Tarija, Bolivia.  
local name: coime.  
other id: Ames 13885.  
source: NC-7.  
group: Ames.  
latitude: 21 deg. 31 min. S.  
latitude: 64 deg. 43 min. W.  
elevation: 1890m.  
remarks: The seeds have an unusual yellow-brown color. The inflorescence is green. Cultivated. Seed.
PI 568132 to 568153-continued


PI 568154. Amaranthus quitensis Kunth AMARANTHACEAE

Donated by: Reider, Carolyn, Rodale Research Center, Box 323, Rd. 1, Kutztown, Pennsylvania 19530, United States. remarks: Rodale received seed but never incorporated it into their system. Received June 07, 1990.


PI 568155 to 568156. Chenopodium berlandieri ssp. nuttalliae (Safford) H.D.Wilson & Heiser CHENOPODIACEAE

Donated by: Williams, D.E., Agricultural Research Service -- USDA, National Germplasm Resources Lab, Bldg. 003 - 4th Floor, Beltsville, Maryland 20705-2350, United States. Received December 29, 1992.

PI 568155 to 568156-continued

PI 568156  
**donor id:** DEW & SSD 1241. **origin:** Mexico. **local name:** huautzontle. **collected:** November 18, 1992. **collector:** D.E. Williams, S. Sanchez-Dominguez. **collector id:** 1241. **other id:** Ames 20100. **source:** NC-7. **group:** Ames. **other id:** 1241. **other id:** Ames 20100. **source:** NC-7. **group:** Ames. **locality:** Orchard garden, Santiago Acutzilapan, Mpio. Atlacomulco, Edo. de Mexico. **latitude:** 19 deg. 47 min. N. **longitude:** 099 deg. 41 min. W. **elevation:** 2700m. **remarks:** Herb, 2m tall. Seeds black. Cultivated as vegetable. Landrace. Seed.

PI 568157. *Medicago sativa* L. FABACEAE Alfalfa

**Donated by:** Sorensen, E.L., Agricultural Research Service -- USDA, Kansas State University, Manhattan, Kansas 66500, United States; and Kansas Agr. Exp. Sta. **remarks:** KS 223 Alfalfa Germplasm. Received May 13, 1993.

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**Medicago sativa** L. subsp. sativa FABACEAE Alfalfa **origin:** United States. **developed:** E.L. Sorensen, D.L. Stuteville, E.K. Horber, D.Z. Skinner. **origin institute:** Agricultural Research Service -- USDA, Kansas State University, Dept. of Agronomy, Throckmorton Hall, Manhattan, Kansas 66506-5501 United States. **cultivar:** KS223. **pedigree:** Derived from cvs: Elga, Hilde, Warrotte, DuPuits, Socheville, Alfa, Cherokee, Vernal, and to MSA-W4 and MSBW4 germplasms. **other id:** GP-265. **source:** Crop Sci. 34(1):312 1994. **group:** CSR-ALFALFA. **other id:** W6 11579. **group:** W6. **restricted:** CSR. **remarks:** Resistance to anthracnose (caused by Colletotrichum trifolii, Race 1); bacterial wilt (caused by Clavibacter michiganense subsp. insidiosum), downy mildew (caused by Peronospora trifoliorum); fusarium wilt (caused by Fusarium oxysporum sp. medicaginis); blue alfalfa aphid (Acyrthosiphon kondoi); pea aphid (A. pisum); and the spotted alfalfa aphid (Therioaphis maculata). Annual. Breeding Material. Seed.

PI 568158 to 568160. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Compton, W.A., University of Nebraska, Dept. of Agronomy, Lincoln, Nebraska 68583-0915, United States. Received May 13, 1993.
PI 568158 origin: United States. cultivar: N199. pedigree: Selfed from an outcross (and probably a backcross) to MO 44. remarks: Slightly taller than B73 but similar and with narrow upright leaves. Excellent root and stalk strength and has good "staygreen" late into the fall. Flowers occur about one day later than MO 17. Cob color red and endosperm yellow. Seed set easier in Nebraska than in MO 44. Yield and standability excellent in crosses with B73. Annual. Cultivar. Seed.

PI 568159 origin: United States. cultivar: N200. pedigree: Selfed from an outcross (and probably a backcross) to MO 44. remarks: Few inches shorter than N199. Flowers about one day later than MO 17. Leaves wider and less upright than N199. Like N199, has excellent root and stalk strength with good "staygreen". Yield and standability excellent in crosses with B73. Annual. Cultivar. Seed.

PI 568160 origin: United States. cultivar: N201. pedigree: Selfed from N28/B73. remarks: Slightly taller than B73 and flowers two to three days later. Like B73, has upright leaves. Good root and stalk strength and good tolerance to drought. Ear rot seems better than N28 but perhaps not as good as B73. Annual. Cultivar. Seed.

PI 568161 to 568162. Aegilops cylindrica Host POACEAE

Donated by: Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Bldg. 003, Rm. 402, BARC-West, Beltsville, Maryland 20705, United States. Received May 14, 1992.


PI 568163. Aegilops sp. POACEAE

Donated by: Sperling, C.R., Agricultural Research Service -- USDA, National Germplasm Resources Lab., Bldg. 003, Rm. 402, BARC-West, Beltsville, Maryland 20705, United States. Received May 14, 1992.
PI 568163-continued

collector id: USSR90-04-05. locality: 5km south of VIR
substation at Hastrakt, about 95km northeast of Tashkent.
elevation: 1000m. Wild. Seed.

PI 568164 to 568178. Arachis hypogaea L. FABACEAE Peanut

Donated by: ICRISAT, Patancheru, Andhra Pradesh 502 324, India.
Received May 18, 1993.

PI 568164 origin: India. cultivar: ICGV 87354. pedigree:
Argentine/PI 259747. other id: ICG(FDRS) 47. Cultivar.
Seed.

PI 568165 origin: India. cultivar: ICGV 86548. pedigree: Robut
Cultivar. Seed.

PI 568166 origin: India. cultivar: ICGV 86124. pedigree: JL
24/(Dh. 3-20/Robut 33-1)F8. other id: ICGS(E) 198.
Cultivar. Seed.

PI 568167 origin: India. cultivar: ICGV 86014. pedigree: Shantung
KU No. 203/Robut 33-1. other id: ICGS(E) 52. Cultivar.
Seed.

PI 568168 origin: India. cultivar: ICGV 86522. pedigree: Robut
33-1/(M 13/NC Ac 2214). other id: ICGPRS 481. Cultivar.
Seed.

PI 568169 origin: India. cultivar: ICGV 86024. pedigree: Robut
Cultivar. Seed.

PI 568170 origin: India. cultivar: ICGV 87149. pedigree: ICGS

PI 568171 origin: India. cultivar: ICGV 86549. pedigree: Robut

PI 568172 origin: India. cultivar: ICGV 86162. pedigree:
(Shulamit/Chico)/PI 337409. other id: ICGS(E) 236.
Cultivar. Seed.

PI 568173 origin: India. cultivar: ICGV 87063. pedigree: JL
24/ICG 5728. other id: ICGS(E) 301. Cultivar. Seed.

PI 568174 origin: India. cultivar: ICGV 87061. pedigree: TG
2E/ICG(FDRS) 7. other id: ICGS(E) 299. Cultivar. Seed.
PI 568175 origin: India. cultivar: ICGV 86016. pedigree: (Var. 2-5/NC Ac 741)/PI 337409. other id: ICGS(E) 199. Cultivar. Seed.

PI 568176 origin: India. other id: ICG 7884. Cultivated. Seed.


PI 568178 origin: India. other id: MGS 2. Cultivated. Seed.

PI 568179. Amaranthus hypochondriacus L. AMARANTHACEAE


PI 568180. Astragalus hamosus L. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

donor id: WKT 84. origin: Turkey. collected: July 10, 1985. collector: W.J. Kaiser. other id: W6 11454. group: W6. other id: 100785-03. locality: Weedy field near a grape vineyard on rocky calcareous soil, 9km west of Silvan on Silvan-Diyarbakir road, Diyarbakir Province. elevation: 800m. remarks: Dried pods collected from the ground. Wild. Seed.
PI 568181. *Carthamus tinctorius* L. ASTERACEAE

**Donated by:** Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

**donor id:** WKT 8. **origin:** Turkey. **collected:** July 01, 1985. **collector:** W.J. Kaiser. **other id:** W6 11400. **group:** W6. **other id:** 010785-03. **locality:** Red, rocky soil 23km from Bilecik on road to Halfeti, from an irrigated field, Bilecik Province. **elevation:** 600m. **remarks:** Plants approx. 40-50cm tall with reddish or yellow flowers, collected green flower head. Wild. Seed.

PI 568182. *Cynosurus echinatus* L. POACEAE

**Donated by:** Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

**donor id:** WKT 26. **origin:** Turkey. **collected:** July 24, 1985. **collector:** W.J. Kaiser. **other id:** W6 11401. **group:** W6. **other id:** 240785-07. **locality:** Eastern exposure near rock quarry, very dry rocky site, 16km south of Aglasun on road to Bucak, Burdur Province. **elevation:** 1360m. Wild. Seed.

PI 568183. *Festuca ovina* L. POACEAE

**Donated by:** Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

**donor id:** WKT 12. **origin:** Turkey. **collected:** July 22, 1985. **collector:** W.J. Kaiser. **other id:** W6 11402. **group:** W6. **other id:** 220785-03. **locality:** Steep, rocky slope (northeastern exposure), heavily grazed very dry, 20km after Bayat village on road from Ankara-Afyon, Afyonkarahisar Province. **elevation:** 1150m. Wild. Seed.

PI 568184 to 568187. *Koeleria macrantha* (Ledeb.) Schultes POACEAE

**Donated by:** Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

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PI 568184 to 568187-continued

PI 568184  
**donor id:** WKT 13.  **origin:** Turkey.  **collected:** July 22, 1985.  **collector:** W.J. Kaiser.  **other id:** W6 11403.  
**group:** W6.  **other id:** 230785-01.  **locality:** Among large and small rocks on brown soil in heavily grazed area, very dry (western exposure), 6km north of Dinar on road to Afyon, Afyonkarahisar Province.  **elevation:** 1010m.  
Wild.  Seed.

PI 568185  
**donor id:** WKT 14.  **origin:** Turkey.  **collected:** July 23, 1985.  **collector:** W.J. Kaiser.  **other id:** W6 11404.  
**group:** W6.  **other id:** 230785-07.  **locality:** Among large rocks on very dry heavily grazed site, 25km from Dinar on road to Haydarle, Afyonkarahisar Province.  **elevation:** 1150m.  
Wild.  Seed.

PI 568186  
**donor id:** WKT 17.  **origin:** Turkey.  **collected:** July 27, 1985.  **collector:** W.J. Kaiser.  **other id:** W6 11405.  
**group:** W6.  **other id:** 270785-33.  **locality:** Very dry, steep, rocky area, 20km west of Bozuyuk, on road to Bursa, Bilecik Province.  **elevation:** 850m.  
Wild.  Seed.

PI 568187  
**donor id:** WKT 18.  **origin:** Turkey.  **collected:** July 27, 1985.  **collector:** W.J. Kaiser.  **other id:** W6 11406.  
**group:** W6.  **other id:** 270785-01.  **locality:** Eastern exposure, very dry site, oak and juniper trees in area, 10km from Kutahya on road to Eskisehir, Kutahya Province.  **elevation:** 1010m.  
Wild.  Seed.

PI 568188 to 568195. Lathyrus sativus L.  FABACEAE

**Donated by:** Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States.  Received April 12, 1993.

PI 568188  
**donor id:** WKT 62.  **origin:** Turkey.  **collected:** July 11, 1985.  **collector:** W.J. Kaiser.  **other id:** W6 11407.  
**group:** W6.  **other id:** 110785-24.  **locality:** Brown rocky soil, 27km south of Elazig on road from Maden-Elazig, Elazig Province.  **elevation:** 1020m.  
**remarks:** Grown as a cultivated crop. Seeds collected from piles of drying plants in a farmer's field. Cultivated.  Seed.

PI 568189  
**donor id:** WKT 63.  **origin:** Turkey.  **collected:** July 12, 1985.  **collector:** W.J. Kaiser.  **other id:** W6 11408.  
**group:** W6.  **other id:** 120785-25.  **locality:** Brown soil, 34km east of Keban Dam on Elazig-Keban road.  **elevation:** 1000m.  
**remarks:** Seeds collected from standing dry plants in field (being gro grown as a crop). Cultivated.  Seed.
PI 568188 to 568195-continued

**PI 568190**
- **donor id:** WKT 65.
- **origin:** Turkey.
- **collected:** July 13, 1985.
- **collector:** W.J. Kaiser.
- **other id:** W6 11409.
- **group:** W6.
- **other id:** 130785-03. **locality:** Rocky, calcareous soil, 300km east of Kayseri at village of Gurkaynak on the Malatya-Kayseri road, Malatya Province. **elevation:** 1560m. **remarks:** Collected from drying plants in farmer's field. Cultivated. Seed.

**PI 568191**
- **donor id:** WKT 66.
- **origin:** Turkey.
- **collected:** July 12, 1985.
- **collector:** W.J. Kaiser.
- **other id:** W6 11410.
- **group:** W6.
- **other id:** 170785-06. **locality:** 8km to Hirfanli Dam from Acikuyu village, Ankara Province. **elevation:** 870m. **remarks:** Collected from dry plants in piles in farmer's field. Cultivated. Seed.

**PI 568192**
- **donor id:** WKT 70.
- **origin:** Turkey.
- **collected:** July 23, 1985.
- **collector:** W.J. Kaiser.
- **other id:** W6 11412.
- **group:** W6.
- **other id:** 230785-03. **locality:** Near village of Kiziloren, approx. 25km north of Dinar on road to Afyon. **elevation:** 1050m. **remarks:** Collected from threshing pile, being grown as a cultivated crop. Cultivated. Seed.

**PI 568193**
- **donor id:** WKT 71.
- **origin:** Turkey.
- **collected:** July 23, 1985.
- **collector:** W.J. Kaiser.
- **other id:** W6 11413.
- **group:** W6.
- **other id:** 230785-06. **locality:** Ulukoy village, 15km north of Dinar, Afyonkarahisar Province. **elevation:** 1060m. **remarks:** Cultivated. Seed.

**PI 568194**
- **donor id:** WKT 72.
- **origin:** Turkey.
- **collected:** July 24, 1985.
- **collector:** W.J. Kaiser.
- **other id:** W6 11414.
- **group:** W6.
- **other id:** 240785-0103. **locality:** Rocky brown soil, 14km south of Dinar (near Dikici village) on Dinar-Isparta road, Afyonkarahisar Province. **elevation:** 1100m. **remarks:** Collected from piles of plants in field. Cultivated. Seed.

**PI 568195**
- **donor id:** WKT 73.
- **origin:** Turkey.
- **collected:** July 26, 1985.
- **collector:** W.J. Kaiser.
- **other id:** W6 11415.
- **group:** W6.
- **other id:** 260785-26. **locality:** Akpinar village, about 45km to Kutahya on the Usak-Kutahya road, Kutahya Province. **elevation:** 1200m. **remarks:** Seed collected from threshing piles. Cultivated. Seed.

**PI 568196 to 568200. Lotus corniculatus L. FABACEAE**

**Donated by:** Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.
PI 568196 to 568200-continued

PI 568196  
donor id: WKT 29.  
origin: Turkey.  
collected: July 26, 1985.  
collector: W.J. Kaiser.  
other id: W6 11419.  
group: W6.  
other id: 260785.  
locality: Disturbed soil in pine forest on Murat Mt., approx. 25km from Gediz, Kutahya Province.  
elevation: 1360m.  

PI 568197  
donor id: WKT 30.  
origin: Turkey.  
collected: July 12, 1985.  
collector: W.J. Kaiser.  
other id: W6 11420.  
group: W6.  
other id: 120785.  
locality: Meadow near small stream, 13km after Deregezen village on road from Keban Dam to Malatya, Maltaya Province.  
elevation: 690m.  

PI 568198  
donor id: WKT 32.  
origin: Turkey.  
collected: July 16, 1985.  
collector: W.J. Kaiser.  
other id: W6 11421.  
group: W6.  
other id: 160785.  
locality: Edge of chickpea field, light brown rocky soil, 10km from Seydisehir, on to Konya, Konya Province.  
elevation: 1050m.  

PI 568199  
donor id: WKT 33.  
origin: Turkey.  
collected: July 19, 1985.  
collector: W.J. Kaiser.  
other id: W6 11422.  
group: W6.  
other id: 190785.  
locality: Edge of wheat field, brown rocky soil, approx. 1km from Almus, Tokat Province.  
elevation: 900m.  

PI 568200  
donor id: WKT 34.  
origin: Turkey.  
collected: July 22, 1985.  
collector: W.J. Kaiser.  
other id: W6 11423.  
group: W6.  
other id: 220785.  
locality: Rocky area by roadside, 9km after Bayat village on Ankara-Afyon road, Afyonkarahisar Province.  
elevation: 1320m.  

PI 568201. Medicago monspeliaca (L.) Trautv.  
FABACEAE

Donated by:  
Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.
PI 568201-continued


PI 568202 to 568205. Medicago sp. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.


PI 568206. Melica ciliata L. POACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.


PI 568207 to 568209. Onobrychis viciifolia Scop. FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

group: W6. other id: 290685-0101. locality: Rocky calcareous soil next to terraced wheat fields, 4km south of Samandag, on road to Yayadagi. elevation: 380m. remarks: Appears to be perennial species. Flowers pink. Area and plants heavily grazed. Wild. Seed.


PI 568210 to 568211. Papaver syriacum Boiss. & Blanche PAPAVERACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.
PI 568210 to 568211-continued

PI 568210  

PI 568211  
group: W6.  other id: 280785-03.  locality: Vicia faba threshing area 14km after Gonen on road to Biga, Balikesir Province.  elevation: 75m. Wild.  Seed.

PI 568212. Poa bulbosa L.  POACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.

group: W6.  other id: 240785-03.  locality: Rocky area, western exposure, in very dry site, 2km after intersection of Isparta-Burdur road on way to Isparta, Isparta Province.  elevation: 910m. Wild.  Seed.

PI 568213. Sanguisorba minor Scop.  ROSACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.


PI 568214 to 568215. Trigonella foenum-graecum L.  FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.
PI 568214 to 568215-continued


PI 568216. Trigonella sp.  FABACEAE

Donated by: Kaiser, W.J., USDA-ARS, Western Regional PI Station, Washington State University, Room 59, Johnson Hall, Pullman, Washington 99164-6402, United States. Received April 12, 1993.


PI 568217. Cicer judaicum Boiss.  FABACEAE

Donated by: Rumbaugh, M.D., Forage and Range Research Lab, USDA-ARS, Utah State University, Logan, Utah 84322-6300, United States; and Graves, W., Cooperative Agricultural Extension, 5556 Overland Avenue, Building 4, San Diego, California, United States. Received May 10, 1993.


PI 568218 to 568226. Lens culinaris Medikus  FABACEAE


PI 568227 to 568229.  Pisum sativum L.  subsp. sativum  FABACEAE  Pea


PI 568229  origin: Poland.  cultivar: MIKO.  other id: W6 11523.  group: W6.  remarks: Semi-leafless, very productive Polish cultivar.  Variable leaflessness, up to 15% leafy type has been found.  1991 yields in Canada were 9826kg/h in Lacombe, Alberta and 10115kg/h in Wetaskiwin, Alberta.  Cultivar.  Seed.

PI 568230 to 568235.  Vicia faba L.  FABACEAE

Donated by: Norvell, O.W., Stanford University, Pal Alto, California, United States.  Received May 10, 1993.


PI 568230 to 568235-continued

PI 568234  
donor id: P8564.  
origin: UNKNOWN.  
other id: W6 23.  
group: W6.  
Seed.

PI 568235  
donor id: E8493.  
origin: Ecuador.  
other id: W6 24.  
group: W6.  
Seed.

PI 568236.  
Glycine max (L.) Merr.  
FABACEAE Soybean

  
Donated by:  
South Carolina Agr. Exp. Sta., South Carolina, United States.  
Received May 24, 1993.

  
origin: United States.  
cultivar: MAXCY.  
other id: PVP 9300201.  
source: Pending.  
group: PVPO.  
patent: PVPO.  
Cultivar.  
Seed.

PI 568237.  
Phaseolus vulgaris L.  
FABACEAE Dry bean

  
Donated by:  
University of Idaho, Idaho, United States.  
Received May 24, 1993.

  
origin: United States.  
cultivar: UI 137.  
other id: PVP 9300202.  
source: Pending.  
group: PVPO.  
patent: PVPO.  
Cultivar.  
Seed.

PI 568238.  
Glycine max (L.) Merr.  
FABACEAE Soybean

  
Donated by:  
FFR Cooperative, United States.  
Received May 24, 1993.

  
origin: United States.  
cultivar: FFR 500.  
other id: PVP 9300203.  
source: Pending.  
group: PVPO.  
patent: PVPO.  
Cultivar.  
Seed.

PI 568239.  
Glycine max (L.) Merr.  
FABACEAE Soybean

  
Donated by:  
FFR Cooperative, United States.  
Received May 24, 1993.

  
origin: United States.  
cultivar: FFR 731.  
other id: PVP 9300204.  
source: Pending.  
group: PVPO.  
patent: PVPO.  
Cultivar.  
Seed.

PI 568240.  
Glycine max (L.) Merr.  
FABACEAE Soybean

  
Donated by:  
Asgrow Seed Company, United States.  
Received May 24, 1993.
PI 568240-continued


PI 568241. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.


PI 568242. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.


PI 568243. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.


PI 568244. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.


PI 568245. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.
PI 568245-continued


PI 568246. Hordeum vulgare L. subsp. vulgare POACEAE Barley


PI 568247. Cucumis melo L. CUCURBITACEAE Muskmelon

Donated by: Kansas State University Res. Foundation, Kansas, United States. Received May 24, 1993.


PI 568248. Phlox drummondii Hook. POLEMONIACEAE Annual phlox

Donated by: Sakata Seed America, Inc., United States. Received May 24, 1993.


PI 568249. Phlox drummondii Hook. POLEMONIACEAE Annual phlox

Donated by: Sakata Seed America, Inc., United States. Received May 24, 1993.


PI 568250. Phlox drummondii Hook. POLEMONIACEAE Annual phlox

Donated by: Sakata Seed America, Inc., United States. Received May 24, 1993.

PI 568250-continued


PI 568251. Phlox drummondii Hook. POLEMONIACEAE Annual phlox

Donated by: Sakata Seed America, Inc., United States. Received May 24, 1993.


PI 568252. Lactuca sativa L. ASTERACEAE Lettuce

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.


PI 568253. Lactuca sativa L. ASTERACEAE Lettuce

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.


PI 568254. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.


PI 568255. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Asgrow Seed Company, United States. Received May 24, 1993.
PI 568255-continued

**origin:** United States. **cultivar:** A5112. **other id:** PVP 9300220. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 568256. *Secale cereale* L. subsp. cereale POACEAE

**Donated by:** Agricultural Research Service -- USDA, Beltsville, Maryland, United States. Received 1966.

**origin:** UNKNOWN. **cultivar:** BENSONS TURKESTAN. **remarks:** Background information unavailable. Cultivar. Seed.

PI 568257. *Secale strictum* (C. Presl) C. Presl POACEAE

**Donated by:** Soil Conservation Service -- USDA, Washington, United States. Received 1977.


PI 568258 to 568259. *Lycopersicon hybrid* SOLANACEAE Tomato

**Donated by:** Thomas, P.E., Agricultural Research Service -- USDA, IAREC, RR 2, Box 2953A, Prosser, Washington 99350-9687, United States. Received May 27, 1993.

PI 568258 **origin:** United States. **cultivar:** Pr8-5. **pedigree:** (Lycopersicon peruvianum, PI 128655/L. esculentum cv. Bonny Best)/self-open pollinated five generations. **remarks:** F5 hybrid immune or extremely resistant to phloem-inhabiting pathogens of tomato and potato: beet curly top virus (BCTV), tomato yellow top virus (TYTV), potato leafroll virus (PLRV), and the beet leafhopper transmitted virescense agent BLTVA, which causes potato purple top and tomato big bud diseases. Plants upright, about 1 m tall. Flowers yellow. Leaves compound, 7-9 leaflets, grayish olive green upper surface, and slightly waxy. Fruits 1.5-2cm diam., light yellow green with dark green shoulders when ripe. Seed ovate, about 2.3mm, dark gray. Spring Annual. Breeding Material. Seed.
PI 568258 to 568259-continued

PI 568259 origin: United States. cultivar: PR18-4. pedigree: (Lycopersicon peruvianum, PI 128655/L. esculentum cv. Bonny Best)/self-open pollinated five generations. remarks: F5 hybrid immune or extremely resistant to phloem- inhabiting pathogens of tomato and potato: beet curly top virus (BCTV), tomato yellow top virus (TYTV), potato leafroll virus (PLRV), and the beet leafhopper transmitted virescense agent BLTVA, which causes potato purple top and tomato big bud diseases. Plants upright, about 1 m tall. Flowers yellow. Leaves compound, 7-9 leaflets, grayish olive green upper surface, and slightly waxy. Fruits 1.5-2cm diam., light yellow green with dark green shoulders when ripe. Seed ovate, about 2.3mm, dark gray. Spring Annual. Breeding Material. Seed.

PI 568260 to 568261. Glycine max (L.) Merr. FABACEAE Soybean


PI 568260 to 568261-continued

PI 568261  
remarks: Reduced palmitic acid in seed oil, 53mg per g oil.  Flowers purple and gray pubescence.  Seeds yellow with buff hila and shiny seed coat.  Average weight per seed 196mg.  Flowers July 14 and matures September 30 in a full season planting in North Carolina.  Spring Annual.  Breeding Material.  Seed.

PI 568262. Glycine max (L.) Merr.  FABACEAE  Soybean

remarks: N88-480 Soybean Germplasm.  Received May 27, 1993.

cultivar: N88-480.  pedigree: F3 from fourth cycle of a random mating population involving Arksoy, Ogden, Lee, Roanoke, Jackson, D60-8107 and N69-2774.  other id: GP-156.  
remarks: Produces seeds with high oil concentration, 234g/kg seed on dry weight basis.  Average seed protein concentration 369g/kg seed.  Maturity Group VII.  Susceptible to soybean cyst nematode (Heterodera glycines).  Flowers white and tawny pubescence.  Seeds with buff hila and shiny seed coat.  Weight per seed approx. 136mg.  Spring Annual.  Breeding Material.  Seed.

PI 568263 to 568674. Sorghum bicolor (L.) Moench  POACEAE  Sorghum

Donated by: Omer, Hilu, Sorghum & Millet Research, Agric. Res. Corporation, P.O. Box 126, Wad Medani, Sudan.  Received June 01, 1993.

PI 568263  origin: Sudan.  other id: SU 2329.  group: SU.  
Cultivated.  Seed.

PI 568264  origin: Sudan.  other id: SU 2330.  group: SU.  
Cultivated.  Seed.
PI 568265  
**origin:** Sudan.  
**other id:** SU 2331.  
**group:** SU.  
Cultivated.  Seed.

PI 568266  
**origin:** Sudan.  
**other id:** SU 2340.  
**group:** SU.  
Cultivated.  Seed.

PI 568267  
**origin:** Sudan.  
**other id:** SU 2349.  
**group:** SU.  
Cultivated.  Seed.

PI 568268  
**origin:** Sudan.  
**other id:** SU 2350.  
**group:** SU.  
Cultivated.  Seed.

PI 568269  
**origin:** Sudan.  
**other id:** SU 2352.  
**group:** SU.  
Cultivated.  Seed.

PI 568270  
**origin:** Sudan.  
**other id:** SU 2353.  
**group:** SU.  
Cultivated.  Seed.

PI 568271  
**origin:** Sudan.  
**other id:** SU 2360.  
**group:** SU.  
Cultivated.  Seed.

PI 568272  
**origin:** Sudan.  
**other id:** SU 2377.  
**group:** SU.  
Cultivated.  Seed.

PI 568273  
**origin:** Sudan.  
**other id:** SU 2378.  
**group:** SU.  
Cultivated.  Seed.

PI 568274  
**origin:** Sudan.  
**other id:** SU 2379.  
**group:** SU.  
Cultivated.  Seed.

PI 568275  
**origin:** Sudan.  
**other id:** SU 2385.  
**group:** SU.  
Cultivated.  Seed.

PI 568276  
**origin:** Sudan.  
**other id:** SU 2390.  
**group:** SU.  
Cultivated.  Seed.

PI 568277  
**origin:** Sudan.  
**other id:** SU 2397.  
**group:** SU.  
Cultivated.  Seed.

PI 568278  
**origin:** Sudan.  
**other id:** SU 2398.  
**group:** SU.  
Cultivated.  Seed.

PI 568279  
**origin:** Sudan.  
**other id:** SU 2399.  
**group:** SU.  
Cultivated.  Seed.

PI 568280  
**origin:** Sudan.  
**other id:** SU 2400.  
**group:** SU.  
Cultivated.  Seed.

PI 568281  
**origin:** Sudan.  
**other id:** SU 2412.  
**group:** SU.  
Cultivated.  Seed.
PI 568263 to 568674-continued

PI 568282 origin: Sudan. other id: SU 2414. group: SU. Cultivated. Seed.

PI 568283 origin: Sudan. other id: SU 2415. group: SU. Cultivated. Seed.

PI 568284 origin: Sudan. other id: Purdue-2. other id: SU 2467. group: SU. Cultivated. Seed.

PI 568285 origin: Sudan. other id: Purdue-3. other id: SU 2468. group: SU. Cultivated. Seed.

PI 568286 origin: Sudan. other id: Purdue-4. other id: SU 2469. group: SU. Cultivated. Seed.

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PI 568263 to 568674-continued

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PI 568337  origin: Sudan.  other id: Purdue-59.  other id: SU 2524.  
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PI 568339  origin: Sudan.  other id: A/15A.  other id: SU 2537.  
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PI 568340  origin: Sudan.  other id: A/20.  other id: SU 2541.  
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PI 568341  origin: Sudan.  other id: A/45.  other id: SU 2558.  
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PI 568342  origin: Sudan.  other id: A/48A.  other id: SU 2562.  
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PI 568343  origin: Sudan.  other id: A/69.  other id: SU 2575.  
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PI 568344  origin: Sudan.  other id: A/90.  other id: SU 2589.  
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PI 568345  origin: Sudan.  other id: A/90A.  other id: SU 2590.  
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PI 568346  origin: Sudan.  other id: A/112A.  other id: SU 2609.  
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PI 568347  origin: Sudan.  other id: A/114.  other id: SU 2610.  
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PI 568348  origin: Sudan.  other id: A/119.  other id: SU 2613.  
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PI 568349  origin: Sudan.  other id: A/121.  other id: SU 2614.  
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PI 568370 origin: Sudan. other id: A/226. other id: SU 2683. group: SU. Cultivated. Seed.


PI 568372 origin: Sudan. other id: A/234A. other id: SU 2687. group: SU. Cultivated. Seed.

PI 568373 origin: Sudan. other id: A/243. other id: SU 2690. group: SU. Cultivated. Seed.


PI 568375 origin: Sudan. other id: A/248. other id: SU 2693. group: SU. Cultivated. Seed.


PI 568377 origin: Sudan. other id: A/263. other id: SU 2703. group: SU. Cultivated. Seed.

PI 568378 origin: Sudan. other id: A/269. other id: SU 2706. group: SU. Cultivated. Seed.


PI 568380 origin: Sudan. other id: A/278. other id: SU 2712. group: SU. Cultivated. Seed.

PI 568381 origin: Sudan. other id: A/281. other id: SU 2714. group: SU. Cultivated. Seed.

PI 568382 origin: Sudan. other id: A/286. other id: SU 2717. group: SU. Cultivated. Seed.

PI 568383 origin: Sudan. other id: A/300. other id: SU 2723. group: SU. Cultivated. Seed.
PI 568384 origin: Sudan. other id: A/301. other id: SU 2724. group: SU. Cultivated. Seed.
PI 568385 origin: Sudan. other id: A/303. other id: SU 2726. group: SU. Cultivated. Seed.
PI 568386 origin: Sudan. other id: A/304. other id: SU 2727. group: SU. Cultivated. Seed.
PI 568387 origin: Sudan. other id: A/306. other id: SU 2728. group: SU. Cultivated. Seed.
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PI 568390 origin: Sudan. other id: A/315. other id: SU 2734. group: SU. Cultivated. Seed.
PI 568391 origin: Sudan. other id: A/318. other id: SU 2737. group: SU. Cultivated. Seed.
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PI 568393 origin: Sudan. other id: A/324. other id: SU 2741. group: SU. Cultivated. Seed.
PI 568395 origin: Sudan. other id: A/332. other id: SU 2748. group: SU. Cultivated. Seed.
PI 568396 origin: Sudan. other id: A/334. other id: SU 2750. group: SU. Cultivated. Seed.
PI 568397 origin: Sudan. other id: A/334A. other id: SU 2751. group: SU. Cultivated. Seed.
PI 568398 origin: Sudan. other id: A/345. other id: SU 2755. group: SU. Cultivated. Seed.
PI 568399 origin: Sudan. other id: A/346. other id: SU 2756. group: SU. Cultivated. Seed.
PI 568400 origin: Sudan. other id: A/351. other id: SU 2757. group: SU. Cultivated. Seed.
PI 568263 to 568674—continued

PI 568401  origin: Sudan.  other id: A/352.  other id: SU 2758.  
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PI 568403  origin: Sudan.  other id: A/358.  other id: SU 2760.  
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PI 568404  origin: Sudan.  other id: A/359A.  other id: SU 2761.  
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PI 568405  origin: Sudan.  other id: A/365.  other id: SU 2762.  
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PI 568263 to 568674-continued

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PI 568438  origin: Sudan.  other id: B/51.  other id: SU 2799.  
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PI 568439  origin: Sudan.  other id: B/53.  other id: SU 2800.  
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PI 568440  origin: Sudan.  other id: B/54.  other id: SU 2801.  
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PI 568441  origin: Sudan.  other id: B/55.  other id: SU 2802.  
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PI 568442  origin: Sudan.  other id: B/57.  other id: SU 2803.  
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PI 568443  origin: Sudan.  other id: B/58.  other id: SU 2804.  
group: SU.  Cultivated.  Seed.

PI 568444  origin: Sudan.  other id: B/59.  other id: SU 2805.  
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PI 568445  origin: Sudan.  other id: B/64.  other id: SU 2806.  
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PI 568446  origin: Sudan.  other id: B/60.  other id: SU 2807.  
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PI 568449  origin: Sudan.  other id: B/63.  other id: SU 2812.  
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PI 568263 to 568674-continued

PI 568656  origin: Sudan.  other id: SU 3101.  group: SU.  
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PI 568657  origin: Sudan.  other id: SU 3103.  group: SU.  
         Cultivated.  Seed.
PI 568658  origin: Sudan.  other id: SU 3104.  group: SU.  
         Cultivated.  Seed.
PI 568659  origin: Sudan.  other id: SU 3106.  group: SU.  
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PI 568660  origin: Sudan.  other id: SU 3107.  group: SU.  
         Cultivated.  Seed.
PI 568661  origin: Sudan.  other id: SU 3108.  group: SU.  
         Cultivated.  Seed.
PI 568662  origin: Sudan.  other id: SU 3119.  group: SU.  
         Cultivated.  Seed.
PI 568663  origin: Sudan.  other id: SU 3126.  group: SU.  
         Cultivated.  Seed.
PI 568664  origin: Sudan.  other id: SU 3127.  group: SU.  
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PI 568665  origin: Sudan.  other id: SU 3128.  group: SU.  
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PI 568666  origin: Sudan.  other id: SU 3129.  group: SU.  
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PI 568667  origin: Sudan.  other id: SU 3130.  group: SU.  
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PI 568668  origin: Sudan.  other id: SU 3132.  group: SU.  
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PI 568669  origin: Sudan.  other id: SU 3133.  group: SU.  
         Cultivated.  Seed.
PI 568670  origin: Sudan.  other id: SU 3134.  group: SU.  
         Cultivated.  Seed.
PI 568671  origin: Sudan.  other id: SU 3136.  group: SU.  
         Cultivated.  Seed.
PI 568672  origin: Sudan.  other id: SU 3138.  group: SU.  
         Cultivated.  Seed.
PI 568263 to 568674-continued

PI 568673  **origin**: Sudan.  **other id**: SU 3143.  **group**: SU.  
Cultivated.  Seed.

PI 568674  **origin**: Sudan.  **other id**: SU 3144.  **group**: SU.  
Cultivated.  Seed.

PI 568675 to 568779.  *Sorghum bicolor* (L.) Moench  **POACEAE**  *Sorghum*

**Donated by:** Kenga, R., Institute of Agronomic Research, Agronomic Research Center, B.P. 33, Maroua, Cameroon.  **remarks:** Special purpose "muskwari" sorghums selected for use in Northern Cameroon as transplant types for dry season.  Received through G. Ejeta, Purdue University, Dept. of Agronomy, West Lafayette, Indiana.  Received June 03, 1993.

Cultivated.  Seed.

PI 568676  **donor id**: MRV-22.  **origin**: Cameroon.  Annual.  
Cultivated.  Seed.

PI 568677  **donor id**: MRV-27.  **origin**: Cameroon.  Annual.  
Cultivated.  Seed.

Cultivated.  Seed.

PI 568679  **donor id**: MRV-29-1.  **origin**: Cameroon.  Annual.  
Cultivated.  Seed.

PI 568680  **donor id**: MRV-31.  **origin**: Cameroon.  Annual.  
Cultivated.  Seed.

PI 568681  **donor id**: MRV-31-1.  **origin**: Cameroon.  Annual.  
Cultivated.  Seed.

PI 568682  **donor id**: MRV-32.  **origin**: Cameroon.  Annual.  
Cultivated.  Seed.

PI 568683  **donor id**: MRV-33.  **origin**: Cameroon.  Annual.  
Cultivated.  Seed.

PI 568684  **donor id**: MRV-34.  **origin**: Cameroon.  Annual.  
Cultivated.  Seed.

PI 568685  **donor id**: MRV-35.  **origin**: Cameroon.  Annual.  
Cultivated.  Seed.

PI 568686  **donor id**: MRV-36.  **origin**: Cameroon.  Annual.  
Cultivated.  Seed.
PI 568675 to 568779-continued

           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
PI 568697  donor id: MRV-52.  origin: Cameroon. Annual.  
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
           Cultivated.  Seed.
   Cultivated.  Seed.
PI 568705  donor id: MRV-60.  origin: Cameroon.  Annual.
   Cultivated.  Seed.
   Cultivated.  Seed.
   Cultivated.  Seed.
PI 568709  donor id: MRV-64.  origin: Cameroon.  Annual.
   Cultivated.  Seed.
   Cultivated.  Seed.
   Cultivated.  Seed.
   Cultivated.  Seed.
   Cultivated.  Seed.
PI 568716  donor id: MRV-104.  origin: Cameroon.  Annual.
   Cultivated.  Seed.
   Cultivated.  Seed.
   Cultivated.  Seed.
   Cultivated.  Seed.
   Cultivated.  Seed.
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PI 568675 to 568779-continued

Cultivated. Seed.

PI 568739 donor id: MRV-134. origin: Cameroon. Annual.
Cultivated. Seed.

PI 568740 donor id: MRV-137. origin: Cameroon. Annual.
Cultivated. Seed.

PI 568741 donor id: MRV-141. origin: Cameroon. Annual.
Cultivated. Seed.

PI 568742 donor id: MRV-143. origin: Cameroon. Annual.
Cultivated. Seed.

Cultivated. Seed.

PI 568744 donor id: MRV-146. origin: Cameroon. Annual.
Cultivated. Seed.

PI 568745 donor id: MRV-147. origin: Cameroon. Annual.
Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

Cultivated. Seed.

PI 568753 donor id: MRV-161. origin: Cameroon. Annual.
Cultivated. Seed.

Cultivated. Seed.
PI 568675 to 568779-continued

PI 568755 donor id: MRV-164. 

PI 568756 donor id: MRV-165. 

PI 568757 donor id: MRV-168. 

PI 568758 donor id: MRV-169. 

PI 568759 donor id: MRV-170. 

PI 568760 donor id: MRV-171. 

PI 568761 donor id: MRV-172. 

PI 568762 donor id: MRV-173. 

PI 568763 donor id: MRV-174. 

PI 568764 donor id: MRV-175. 

PI 568765 donor id: MRV-176. 

PI 568766 donor id: MRV-178. 

PI 568767 donor id: MRV-180. 

PI 568768 donor id: MRV-185. 

PI 568769 donor id: MRV-187. 

PI 568770 donor id: MRV-190. 

PI 568771 donor id: MRV-191. 
PI 568780 to 568881. *Carthamus tinctorius* L. ASTERACEAE Safflower

Donated by: Li, Dajue, Beijing Botanical Garden, Institute of Botany, Chinese Academy of Sciences, Xiangshan, Beijing, China. Received February 24, 1991.


PI 568780 to 568881-continued


PI 568804  
**origin:** China.  
**other id:** W6 6652.  
**group:** W6. Annual.  
Cultivated. Seed.

PI 568805  
**donor id:** BJ-147.  
**origin:** China.  
**other id:** W6 6653.  
**group:** W6. Annual. Cultivated. Seed.

PI 568806  
**donor id:** BJ-148.  
**origin:** China.  
**other id:** W6 6654.  
**group:** W6. Annual. Cultivated. Seed.

PI 568807  
**donor id:** BJ-156.  
**origin:** China.  
**other id:** W6 6656.  
**group:** W6. Annual. Cultivated. Seed.

PI 568808  
**donor id:** BJ-158.  
**origin:** China.  
**other id:** W6 6657.  
**group:** W6. Annual. Cultivated. Seed.

PI 568809  
**donor id:** BJ-160.  
**origin:** China.  
**other id:** W6 6658.  
**group:** W6. Annual. Cultivated. Seed.

PI 568810  
**donor id:** BJ-172.  
**origin:** China.  
**other id:** W6 6659.  
**group:** W6. Annual. Cultivated. Seed.

PI 568811  
**donor id:** BJ-175.  
**origin:** China.  
**other id:** W6 6660.  
**group:** W6. Annual. Cultivated. Seed.

PI 568812  
**donor id:** BJ-178.  
**origin:** China.  
**other id:** W6 6661.  
**group:** W6. Annual. Cultivated. Seed.

PI 568813  
**donor id:** BJ-179.  
**origin:** China.  
**other id:** W6 6662.  
**group:** W6. Annual. Cultivated. Seed.

PI 568814  
**donor id:** BJ-181.  
**origin:** China.  
**other id:** W6 6663.  
**group:** W6. Annual. Cultivated. Seed.

PI 568815  
**donor id:** BJ-185.  
**origin:** China.  
**other id:** W6 6664.  
**group:** W6. Annual. Cultivated. Seed.

PI 568816  
**donor id:** BJ-186.  
**origin:** China.  
**other id:** W6 6665.  
**group:** W6. Annual. Cultivated. Seed.

PI 568817  
**donor id:** BJ-188.  
**origin:** China.  
**other id:** W6 6666.  
**group:** W6. Annual. Cultivated. Seed.

PI 568818  
**donor id:** BJ-190.  
**origin:** China.  
**other id:** W6 6667.  
**group:** W6. Annual. Cultivated. Seed.

PI 568819  
**donor id:** BJ-191.  
**origin:** China.  
**other id:** W6 6668.  
**group:** W6. Annual. Cultivated. Seed.

PI 568820  
**donor id:** BJ-192.  
**origin:** China.  
**other id:** W6 6669.  
**group:** W6. Annual. Cultivated. Seed.


PI 568838

PI 568839

PI 568840

PI 568841
donor id: BJ-335.  origin: China.  other id: W6 6691.

PI 568842

PI 568843

PI 568844

PI 568845
donor id: BJ-345.  origin: China.  other id: W6 6695.

PI 568846

PI 568847

PI 568848

PI 568849

PI 568850
donor id: BJ-381.  origin: China.  other id: W6 6702.

PI 568851

PI 568852

PI 568853

PI 568854


PI 568780 to 568881-continued

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

PI 568882. Allium sativum L. var. sativum LILIACEAE Garlic

Donated by: Jacobson, A., Pullman, Washington 99163, United States. Received November 05, 1992.


PI 568883 to 568884. Dactylis glomerata L. POACEAE

Donated by: White, G.A., USDA-ARS, National Germplasm Resources Lab., Beltsville, Maryland 20705, United States. remarks: Collected in conjunction with the 1989 field trip to the Altai Mountains as part of the US-USSR Botanical Exchange Program. Received September 28, 1989.
PI 568883 to 568884—continued

PI 568883  
donor id: 89USSR-5.  
origin: Russian Federation.  
collected: July 10, 1989.  
collector: G.A. White.  
collector id: 89USSR-5.  
other id: W6 1939.  
group: W6.  
locality: Roadside near bus stop, just east of junction of Hwy M53 and road to Zonal, road marker 320 km.  
remarks: Associated plants pigweed, lambsquarters, and a viny weed. Wild. Seed.

PI 568884  
origin: Russian Federation.  
collected: July 15, 1989.  
collector: G.A. White.  
collector id: 89USSR-50.  
other id: W6 1940.  
group: W6.  
locality: Roadside, km 400.  
Wild. Seed.

PI 568885. Elymus sp.  
POACEAE  

Donated by: White, G.A., USDA-ARS, National Germplasm Resources Lab., Beltsville, Maryland 20705, United States.  

remarks: Collected in conjunction with the 1989 field trip to the Altai Mountains as part of the US-USSR Botanical Exchange Program. Received September 28, 1989.

origin: Russian Federation.  
collected: July 14, 1989.  
collector: G.A. White.  
collector id: 89USSR-36.  
other id: W6 1941.  
group: W6.  
locality: Meadow slightly above campsite near second power pole, across Chouya River from main road, 6km above Jodro village, 739 km. Wild. Seed.

PI 568886. Melica sp.  
POACEAE  

Donated by: White, G.A., USDA-ARS, National Germplasm Resources Lab, Beltsville, Maryland 20705, United States.  

remarks: Collected in conjunction with the 1989 field trip to the Altai Mountains as part of the US-USSR Botanical Exchange Program. Received September 28, 1989.

* Melica ciliata L.  
POACEAE

origin: Russian Federation.  
collected: July 14, 1989.  
collector: G.A. White.  
collector id: 89USSR-39.  
other id: W6 1943.  
group: W6.  
locality: Meadow slightly above campsite near second power pole, across Chouya River from main road, 6km above Jodro village, 739 km. Wild. Seed.

PI 568887. Melica transsilvanica Schur  
POACEAE  

Donated by: White, G.A., USDA-ARS, National Germplasm Resources Lab., Beltsville, Maryland 20705, United States.  

remarks: Collected in conjunction with the 1989 field trip to the Altai Mountains as part of the US-USSR Botanical Exchange Program. Received September 28, 1989.
PI 568887-continued


PI 568888. Stipa sibirica (L.) Lam. POACEAE

Donated by: White, G.A., USDA-ARS, National Germplasm Resources Lab., Beltsville, Maryland 20705, United States. remarks: Collected in conjunction with the 1989 field trip to the Altai Mountains as part of the US-USSR Botanical Exchange Program. Received September 28, 1989.


PI 568889. Astragalus cicer L. FABACEAE Cicer milkvetch


origin: United States. developed: C.E. Townsend. origin institute: Agricultural Research Service -- USDA, Crops Research Lab., 1701 Center Avenue, Fort Collins, Colorado 80526 United States. cultivar: WINDSOR. pedigree: 15-clone synthetic derived by two cycles of recurrent selection for plant height and forage yield. Traces to a population of Monarch. other id: W6 12114. group: W6. other id: CV-109. source: Crop Sci. 34(1):309 1994. group: CSR-OTHER LEGUMES. other id: PVP 9300294. source: Pending. group: PVPO. restricted: CSR. patent: PVPO. remarks: Improved plant height and forage yield due to absence of a dormancy-type response to the decreasing photoperiods of mid- to late summer. Mean plant weight for the polycross progenies of the 15 clones was 120, 117,118, and 119% of Monarch for the first, second, and third harvests and for total yield, respectively. Mean extended plant height for the progenies was 109, 114, and 120% of Monarch for the first, second, and third harvests, respectively. Seed weight of the parental clones range from 3.55 to 4.59 g/1000 seeds with a mean of 3.99g, or 96% of that of Monarch. Perennial. Cultivar. Seed.
PI 568890. Oryza sativa L. POACEAE Long-grain rice


PI 568891. Oryza sativa L. POACEAE Rice


PI 568892 to 568912. Solanum acaule Bitter SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.


PI 568902  donor id: 029.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 15604.  other id: Q 29768.  Annual.  
Wild.  Seed.

collector id: Och 15730.  other id: Q 29769.  Annual.  
Wild.  Seed.

PI 568904  donor id: 031.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 15818.  other id: Q 29770.  Annual.  
Wild.  Seed.

PI 568905  donor id: 032.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 15829.  other id: Q 29771.  Annual.  
Wild.  Seed.

PI 568906  donor id: 033.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 15834.  other id: Q 29772.  Annual.  
Wild.  Seed.

PI 568907  donor id: 110.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 13175.  other id: Q 29839.  Annual.  
Wild.  Seed.

PI 568908  donor id: 112.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 13823.  other id: Q 29840.  Annual.  
Wild.  Seed.

PI 568909  donor id: 115.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 13873.  other id: Q 29841.  Annual.  
Wild.  Seed.

PI 568910  donor id: 117.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 14932.  other id: Q 29842.  Annual.  
Wild.  Seed.

PI 568911  donor id: 118.  origin: Bolivia.  collected: February  
other id: Q 29843.  locality: Franz Tamayo.  Viscachani  
3km from Huaylapuquio to Pelechuco.  elevation: 4000m.  
Annual.  Wild.  Seed.

collector id: Och 15092.  other id: Q 29844.  Annual.  
Wild.  Seed.

PI 568913. Solanum alandiae Cardenas  SOLANACEAE  

Donated by: Bamberg, John, IR-1 Potato Introduction Station,  
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin  54235,  
United States.  Received March 15, 1993.
PI 568913-continued

**donor id:** 034. **origin:** Bolivia. **collected:** March 25, 1978. **collector:** C.M. Ochoa. **collector id:** Och 12012. **other id:** Q 29773. **locality:** Mizque. Encima De La Hoyada on road Aiquile-Totora. **elevation:** 2300m. Annual. Wild. Seed.

PI 568914 to 568915. *Solanum albicans* (Ochoa) Ochoa SOLANACEAE

**Donated by:** Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

**PI 568914** **donor id:** 035. **origin:** Peru. **collector:** C.M. Ochoa. **collector id:** Och 11842. **other id:** Q 29774. Annual. Wild. Seed.

**PI 568915** **donor id:** 036. **origin:** Peru. **collector:** C.M. Ochoa. **collector id:** Och 14789. **other id:** Q 29775. Annual. Wild. Seed.

PI 568916 to 568917. *Solanum ambisinum* Ochoa SOLANACEAE

**Donated by:** Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

**PI 568916** **donor id:** 037. **origin:** Peru. **collector:** C.M. Ochoa. **collector id:** Och 14557. **other id:** Q 29776. Annual. Wild. Seed.

**PI 568917** **donor id:** 038. **origin:** Peru. **collector:** C.M. Ochoa. **collector id:** Och 14603. **other id:** Q 29777. Annual. Wild. Seed.

PI 568918 to 568920. *Solanum berthaultii* Hawkes SOLANACEAE

**Donated by:** Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

**PI 568918** **donor id:** 039. **origin:** Bolivia. **collected:** March 25, 1978. **collector:** C.M. Ochoa. **collector id:** Och 12008. **other id:** Q 29778. **locality:** Mizque. Palcca 3km W Palcca and 14km SSW of Aiquile. **elevation:** 2400m. Annual. Wild. Seed.
PI 568919  
donor id: 040.  
origin: Bolivia.  
collector: C.M. Ochoa.  
collector id: Och 12029.  
other id: Q 29779.  
locality: Cercado, Near Cerveceria Taquina near Cochabamba.  
elevation: 2820m.  
Annual.  
Wild.  
Seed.

PI 568920  
donor id: 041.  
origin: Bolivia.  
collector: C.M. Ochoa.  
collector id: Och 15565.  
other id: Q 29780.  
locality: Manuel M. Caballero.  
Aguadilla near the merge of Cochabamba Santa Cruz road to Pulquina.  
elevation: 1800m.  
Annual.  
Wild.  
Seed.

PI 568921.  Solanum boliviense Dunal  
SOLANACEAE  
Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

donor id: 042.  
origin: Bolivia.  
collector: C.M. Ochoa.  
collector id: Och 11954.  
other id: Q 29781.  
locality: Sud Cinti. Vecindades Ingahuasi.  
elevation: 3120m.  
Annual.  
Wild.  
Seed.

PI 568922.  Solanum buesii Vargas  
SOLANACEAE  
Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

donor id: 044.  
origin: Peru.  
collector: C.M. Ochoa.  
collector id: Och 13637.  
other id: Q 29782.  
Annual.  
Wild.  
Seed.

PI 568923.  Solanum etuberosum Lindley  
SOLANACEAE  
Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.

donor id: 045.  
origin: Mexico.  
collector: C.M. Ochoa.  
collector id: Och 14195.  
other id: Q 29783.  
Annual.  
Wild.  
Seed.

PI 568924 to 568967.  Solanum bukasovii Juz. ex Rybin  
SOLANACEAE  
Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.
PI 568937  donor id: 059.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 13681.  other id: Q 29797.  Annual.  
  Wild.  Seed.

PI 568938  donor id: 061.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 13725.  other id: Q 29798.  Annual.  
  Wild.  Seed.

PI 568939  donor id: 062.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 13730.  other id: Q 29799.  Annual.  
  Wild.  Seed.

PI 568940  donor id: 064.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 13795.  other id: Q 29801.  Annual.  
  Wild.  Seed.

PI 568941  donor id: 065.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 13811.  other id: Q 29802.  Annual.  
  Wild.  Seed.

PI 568942  donor id: 066.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 13814.  other id: Q 29803.  Annual.  
  Wild.  Seed.

PI 568943  donor id: 067.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 13815.  other id: Q 29804.  Annual.  
  Wild.  Seed.

PI 568944  donor id: 068.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 13859.  other id: Q 29805.  Annual.  
  Wild.  Seed.

PI 568945  donor id: 070.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 14355.  other id: Q 29806.  Annual.  
  Wild.  Seed.

PI 568946  donor id: 072.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 14376.  other id: Q 29807.  Annual.  
  Wild.  Seed.

PI 568947  donor id: 074.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 14654.  other id: Q 29808.  Annual.  
  Wild.  Seed.

PI 568948  donor id: 075.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 14704.  other id: Q 29809.  Annual.  
  Wild.  Seed.

PI 568949  donor id: 077.  origin: Peru.  collector: C.M. Ochoa.  
  collector id: Och 15076.  other id: Q 29810.  Annual.  
  Wild.  Seed.
PI 568950  donor id: 078.  origin: Peru.  collector: C.M. Ochoa.
collector id: Och 15150.  other id: Q 29811.  Annual.
Wild.  Seed.

PI 568951  donor id: 079.  origin: Peru.  collector: C.M. Ochoa.
collector id: Och 15201.  other id: Q 29812.  Annual.
Wild.  Seed.

PI 568952  donor id: 080.  origin: Peru.  collector: C.M. Ochoa.
collector id: Och 15304.  other id: Q 29813.  Annual.
Wild.  Seed.

PI 568953  donor id: 081.  origin: Peru.  collector: C.M. Ochoa.
collector id: Och 15312.  other id: Q 29814.  Annual.
Wild.  Seed.

PI 568954  donor id: 082.  origin: Peru.  collector: C.M. Ochoa.
collector id: Och 15625.  other id: Q 29815.  Annual.
Wild.  Seed.

PI 568955  donor id: 083.  origin: Peru.  collector: C.M. Ochoa.
collector id: Och 15695.  other id: Q 29816.  Annual.
Wild.  Seed.

PI 568956  donor id: 084.  origin: Peru.  collector: C.M. Ochoa.
collector id: Och 15826.  other id: Q 29817.  Annual.
Wild.  Seed.

PI 568957  donor id: 085.  origin: Peru.  collector: C.M. Ochoa.
collector id: Och 15831.  other id: Q 29818.  Annual.
Wild.  Seed.

PI 568958  donor id: 120.  origin: Peru.  collector: C.M. Ochoa.
collector id: Och 13169.  other id: Q 29845.  Annual.
Wild.  Seed.

PI 568959  donor id: 121.  origin: Peru.  collector: C.M. Ochoa.
collector id: Och 13729.  other id: Q 29846.  Annual.
Wild.  Seed.

PI 568960  donor id: 122.  origin: Peru.  collector: C.M. Ochoa.
Wild.  Seed.

PI 568961  donor id: 123.  origin: Peru.  collector: C.M. Ochoa.
collector id: Och 14352.  other id: Q 29848.  Annual.
Wild.  Seed.

collector id: Och 14375.  other id: Q 29849.  Annual.
Wild.  Seed.
PI 568963  donor id: 125.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 14404.  other id: Q 29850.  Annual.  
Wild.  Seed.

PI 568964  donor id: 126.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 15198.  other id: Q 29851.  Annual.  
Wild.  Seed.

collector id: Och 15203.  other id: Q 29852.  Annual.  
Wild.  Seed.

collector id: Och 15311.  other id: Q 29853.  Annual.  
Wild.  Seed.

PI 568967  donor id: 129.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 15313.  other id: Q 29854.  Annual.  
Wild.  Seed.

PI 568968.  Solanum stoloniferum Schldl. & Bouche  SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station,  
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin  54235,  
United States.  Received March 15, 1993.

donor id: 086.  origin: Bolivia.  collected: February 28,  
other id: Q 29819.  locality: Valle Grande. El Cruce  
approximately 40km from Velle Grande on road to Pucara.  

PI 568969.  Solanum candolleanum Berthault  SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station,  
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin  54235,  
United States.  Received March 15, 1993.

donor id: 087.  origin: Bolivia.  collected: December  
other id: Q 29820.  locality: Larecaja.  Cemetery of  

PI 568970 to 568972.  Solanum chacoense Bitter  SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station,  
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin  54235,  
United States.  Received March 15, 1993.
PI 568970 to 568972-continued

collector id: Och 15263.  other id: Q 29821.  Annual.  
Wild.  Seed.

PI 568971  donor id: 090.  origin: Paraguay.  collector: C.M. Ochoa.  
collector id: Och 15264.  other id: Q 29822.  Annual.  
Wild.  Seed.

collector id: Och 15265.  other id: Q 29823.  Annual.  
Wild.  Seed.

PI 568973 to 568979. Solanum chomatophilum Bitter  SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station,  
Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin  54235,  
United States.  Received March 15, 1993.

PI 568973  donor id: 092.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 13196.  other id: Q 29824.  Annual.  
Wild.  Seed.

PI 568974  donor id: 093.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 13332.  other id: Q 29825.  Annual.  
Wild.  Seed.

PI 568975  donor id: 094.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 14787.  other id: Q 29826.  Annual.  
Wild.  Seed.

PI 568976  donor id: 095.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 14824.  other id: Q 29827.  Annual.  
Wild.  Seed.

PI 568977  donor id: 096.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 15195.  other id: Q 29828.  Annual.  
Wild.  Seed.

PI 568978  donor id: 097.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 15258.  other id: Q 29829.  Annual.  
Wild.  Seed.

PI 568979  donor id: 098.  origin: Peru.  collector: C.M. Ochoa.  
collector id: Och 15302.  other id: Q 29830.  Annual.  
Wild.  Seed.
PI 568980. Solanum circaeifolium Bitter SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.


PI 568981. Solanum fendleri A. Gray SOLANACEAE

Donated by: Bamberg, John, USDA-ARS, Peninsula Experiment Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.


PI 568982. Solanum gandarillasii Cardenas SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.


PI 568983 to 568984. Solanum infundibuliforme Philippi SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.


PI 568985. Solanum irosinum Ochoa SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.


PI 568986. Solanum megistacrolobum Bitter SOLANACEAE

Donated by: Bamberg, John, IR-1 Potato Introduction Station, Peninsular Branch Exper. Station, Sturgeon Bay, Wisconsin 54235, United States. Received March 15, 1993.


PI 568987 to 570607. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Omer, Hilu, Sorghum & Millet Research, Agric. Res. Corporation, P.O. Box 126, Wad Medani, Sudan. Received June 10, 1993.


PI 568993  origin: Sudan.  origin institute id: IS 3473.  cultivar: DINDRAWI.  other id: SU 152.  group: SU.  Cultivated.  Seed.


PI 568998  origin: Sudan.  origin institute id: IS 3583.  cultivar: AKLAMOI RED.  other id: SU 245.  group: SU.  Cultivated.  Seed.


PI 569005  origin: Sudan.  origin institute id: IS 12467.  other id: SU 834.  group: SU.  Cultivated.  Seed.
| PI 569006 | origin: Sudan. | origin institute id: IS 14448. | other id: SU 855. | group: SU. Cultivated. Seed. |
| PI 569007 | origin: Sudan. | origin institute id: IS 14449. | other id: SU 856. | group: SU. Cultivated. Seed. |
| PI 569008 | origin: Sudan. | origin institute id: IS 14454. | other id: SU 857. | group: SU. Cultivated. Seed. |
| PI 569009 | origin: Sudan. | origin institute id: IS 14463. | other id: SU 860. | group: SU. Cultivated. Seed. |
| PI 569010 | origin: Sudan. | origin institute id: IS 14465. | other id: SU 862. | group: SU. Cultivated. Seed. |
| PI 569011 | origin: Sudan. | origin institute id: IS 14481. | other id: SU 869. | group: SU. Cultivated. Seed. |
| PI 569012 | origin: Sudan. | origin institute id: IS 14567. | other id: SU 870. | group: SU. Cultivated. Seed. |
| PI 569013 | origin: Sudan. | origin institute id: IS 14471. | other id: SU 871. | group: SU. Cultivated. Seed. |
| PI 569014 | origin: Sudan. | origin institute id: IS 18539. | cultivate: NUBANAZAD. | other id: SU 872. group: SU. Cultivated. Seed. |


PI 569073  
origin: Sudan.  
origin institute id: IS 19049.  
other id: SU 931.  
group: SU.  
other id: WM 10081.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569074  
origin: Sudan.  
origin institute id: IS 19050.  
other id: SU 932.  
group: SU.  
other id: WM 10088.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569075  
origin: Sudan.  
origin institute id: IS 19051.  
other id: SU 933.  
group: SU.  
other id: WM 10090.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569076  
origin: Sudan.  
origin institute id: IS 19052.  
other id: SU 934.  
group: SU.  
other id: WM 10092.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569077  
origin: Sudan.  
origin institute id: IS 19053.  
other id: SU 935.  
group: SU.  
other id: WM 10093.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569078  
origin: Sudan.  
origin institute id: IS 19054.  
other id: SU 936.  
group: SU.  
other id: WM 10094.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569079  
origin: Sudan.  
origin institute id: IS 19055.  
other id: SU 937.  
group: SU.  
other id: WM 10095.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569080  
origin: Sudan.  
origin institute id: IS 19056.  
other id: SU 938.  
group: SU.  
other id: WM 10096.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569081  
origin: Sudan.  
origin institute id: IS 19057.  
other id: SU 939.  
group: SU.  
other id: WM 10098.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569082  
origin: Sudan.  
origin institute id: IS 19058.  
other id: SU 940.  
group: SU.  
other id: WM 10100.  
locality: Gezira Research Station.  
Cultivated.  
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PI 569083  
origin: Sudan.  
origin institute id: IS 19059.  
other id: SU 941.  
group: SU.  
other id: WM 10101.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569084  
origin: Sudan.  
origin institute id: IS 19060.  
other id: SU 942.  
group: SU.  
other id: WM 10102.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569085  
origin: Sudan.  
origin institute id: IS 19061.  
other id: SU 943.  
group: SU.  
other id: WM 10103.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

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PI 569333  

PI 569334  

PI 569335  

PI 569336  

PI 569337  

PI 569338  

PI 569339  

PI 569340  

PI 569341  

PI 569342  

PI 569343  

PI 569344  

PI 569345  


PI 569359  
origin: Sudan.  
origin institute id: IS 19338.  
other id: SU 1217.  
group: SU.  
other id: WM 11048.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569360  
origin: Sudan.  
origin institute id: IS 19339.  
other id: SU 1218.  
group: SU.  
other id: WM 11050.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569361  
origin: Sudan.  
origin institute id: IS 19340.  
other id: SU 1219.  
group: SU.  
other id: WM 11051.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569362  
origin: Sudan.  
origin institute id: IS 19341.  
other id: SU 1220.  
group: SU.  
other id: WM 11052.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569363  
origin: Sudan.  
origin institute id: IS 19342.  
other id: SU 1221.  
group: SU.  
other id: WM 11053.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569364  
origin: Sudan.  
origin institute id: IS 19343.  
other id: SU 1222.  
group: SU.  
other id: WM 11054.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569365  
origin: Sudan.  
origin institute id: IS 19344.  
other id: SU 1223.  
group: SU.  
other id: WM 11055.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569366  
origin: Sudan.  
origin institute id: IS 19345.  
other id: SU 1224.  
group: SU.  
other id: WM 11056.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569367  
origin: Sudan.  
origin institute id: IS 19346.  
other id: SU 1225.  
group: SU.  
other id: WM 11057.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569368  
origin: Sudan.  
origin institute id: IS 19347.  
other id: SU 1226.  
group: SU.  
other id: WM 11058.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569369  
origin: Sudan.  
origin institute id: IS 19348.  
other id: SU 1227.  
group: SU.  
other id: WM 10059.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569370  
origin: Sudan.  
origin institute id: IS 19349.  
other id: SU 1228.  
group: SU.  
other id: WM 11060.  
locality: Gezira Research Station.  
Cultivated.  
Seed.

PI 569371  
origin: Sudan.  
origin institute id: IS 19350.  
other id: SU 1229.  
group: SU.  
other id: WM 11062.  
locality: Gezira Research Station.  
Cultivated.  
Seed.


PI 569410  origin: Sudan. origin institute id: IS 19472. cultivar: DERI. other id: SU 1268. group: SU. Cultivated. Seed.
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cultivar: DEEL.  
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Cultivated.  
Seed.

PI 569427  
origin: Sudan.  
origin institute id: IS 19491.  
cultivar: MABORE.  
other id: SU 1286.  
group: SU.  
Cultivated.  
Seed.

PI 569428  
origin: Sudan.  
origin institute id: IS 19492.  
cultivar: AGOK.  
other id: SU 1287.  
group: SU.  
Cultivated.  
Seed.

PI 569429  
origin: Sudan.  
origin institute id: IS 19493.  
cultivar: CHULUK.  
other id: SU 1288.  
group: SU.  
Cultivated.  
Seed.

PI 569430  
origin: Sudan.  
origin institute id: IS 19494.  
cultivar: YAR.  
other id: SU 1289.  
group: SU.  
Cultivated.  
Seed.

PI 569431  
origin: Sudan.  
origin institute id: IS 19495.  
cultivar: MAN WANI.  
other id: SU 1290.  
group: SU.  
Cultivated.  
Seed.

PI 569432  
origin: Sudan.  
origin institute id: IS 19496.  
cultivar: MABIOR.  
other id: SU 1291.  
group: SU.  
Cultivated.  
Seed.

PI 569433  
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origin institute id: IS 19497.  
cultivar: CHEKOO.  
other id: SU 1292.  
group: SU.  
Cultivated.  
Seed.

PI 569434  
origin: Sudan.  
origin institute id: IS 19498.  
cultivar: MABIO (RED).  
other id: SU 1293.  
group: SU.  
Cultivated.  
Seed.

PI 569435  
origin: Sudan.  
origin institute id: IS 19499.  
cultivar: KAVANGA.  
other id: SU 1294.  
group: SU.  
Cultivated.  
Seed.

PI 569436  
origin: Sudan.  
origin institute id: IS 19500.  
cultivar: MAIBOR.  
other id: SU 1295.  
group: SU.  
Cultivated.  
Seed.

PI 569437  
origin: Sudan.  
origin institute id: IS 19501.  
cultivar: NGBANGA.  
other id: SU 1296.  
group: SU.  
Cultivated.  
Seed.

PI 569438  
origin: Sudan.  
origin institute id: IS 19502.  
cultivar: NAVANKAN.  
other id: SU 1297.  
group: SU.  
Cultivated.  
Seed.

PI 569439  
origin: Sudan.  
origin institute id: IS 19503.  
cultivar: MABIOR (YELLOW).  
other id: SU 1298.  
group: SU.  
Cultivated.  
Seed.
PI 569440 origin: Sudan. origin institute id: IS 19504. cultivar: ASARMA. other id: SU 1299. group: SU. Cultivated. Seed.

PI 569441 origin: Sudan. origin institute id: IS 19505. cultivar: BENDE. other id: SU 1300. group: SU. Cultivated. Seed.

PI 569442 origin: Sudan. origin institute id: IS 19506. cultivar: MBRAKA. other id: SU 1301. group: SU. Cultivated. Seed.

PI 569443 origin: Sudan. origin institute id: IS 19507. cultivar: BELL. other id: SU 1302. group: SU. Cultivated. Seed.

PI 569444 origin: Sudan. origin institute id: IS 19508. cultivar: CHALLA. other id: SU 1303. group: SU. Cultivated. Seed.

PI 569445 origin: Sudan. origin institute id: IS 19509. cultivar: MORO. other id: SU 1304. group: SU. Cultivated. Seed.

PI 569446 origin: Sudan. origin institute id: IS 19510. cultivar: DERE. other id: SU 1305. group: SU. Cultivated. Seed.

PI 569447 origin: Sudan. origin institute id: IS 19511. cultivar: NYARANGO. other id: SU 1306. group: SU. Cultivated. Seed.

PI 569448 origin: Sudan. origin institute id: IS 19512. cultivar: BARI. other id: SU 1307. group: SU. Cultivated. Seed.

PI 569449 origin: Sudan. origin institute id: IS 19513. cultivar: MALANGORE. other id: SU 1308. group: SU. Cultivated. Seed.


PI 569451 origin: Sudan. origin institute id: IS 19515. cultivar: MARESA. other id: SU 1310. group: SU. Cultivated. Seed.

PI 569452 origin: Sudan. origin institute id: IS 19516. cultivar: LANDI. other id: SU 1311. group: SU. Cultivated. Seed.

PI 569453 origin: Sudan. origin institute id: IS 19517. cultivar: KELE. other id: SU 1312. group: SU. Cultivated. Seed.

PI 569455  origin: Sudan. origin institute id: IS 19519. cultivar: LORYEYE. other id: SU 1314. group: SU. Cultivated. Seed.

PI 569456  origin: Sudan. origin institute id: IS 19520. cultivar: MOBIOR. other id: SU 1315. group: SU. Cultivated. Seed.

PI 569457  origin: Sudan. origin institute id: IS 19521. cultivar: MOBIOR. other id: SU 1316. group: SU. Cultivated. Seed.

PI 569458  origin: Sudan. origin institute id: IS 19522. cultivar: NVARKHAN. other id: SU 1317. group: SU. Cultivated. Seed.

PI 569459  origin: Sudan. origin institute id: IS 19523. cultivar: LUWAIAH. other id: SU 1318. group: SU. Cultivated. Seed.

PI 569460  origin: Sudan. origin institute id: IS 19524. cultivar: REKA. other id: SU 1319. group: SU. Cultivated. Seed.


PI 569462  origin: Sudan. origin institute id: IS 19526. cultivar: AKWANE. other id: SU 1321. group: SU. Cultivated. Seed.

PI 569463  origin: Sudan. origin institute id: IS 19527. cultivar: AKARAM. other id: SU 1322. group: SU. Cultivated. Seed.

PI 569464  origin: Sudan. origin institute id: IS 19528. cultivar: ARUMAOR. other id: SU 1323. group: SU. Cultivated. Seed.

PI 569465  origin: Sudan. origin institute id: IS 19529. cultivar: KECH. other id: SU 1324. group: SU. Cultivated. Seed.


PI 569469  origin: Sudan. origin institute id: IS 19534. other id: SU 1328. group: SU. other id: 2177. Cultivated. Seed.


PI 569478  origin: Sudan. origin institute id: IS 19545. pedigree: Cross 57/1. other id: SU 1339. group: SU. Cultivated. Seed.


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PI 569490  origin: Sudan.  origin institute id: IS 19557.  pedigree: Cross 48/43.  other id: SU 1351.  group: SU.  Cultivated.  Seed.


PI 569494  origin: Sudan.  origin institute id: IS 19561.  pedigree: Cross 57/52.  other id: SU 1355.  group: SU.  Cultivated.  Seed.
PI 569495 origin: Sudan. origin institute id: IS 19562. pedigree: Cross 47/43. other id: SU 1356. group: SU. Cultivated. Seed.

PI 569496 origin: Sudan. origin institute id: IS 19563. pedigree: Cross 65/44. other id: SU 1357. group: SU. Cultivated. Seed.


PI 569508  origin: Sudan. origin institute id: IS 19575. pedigree: Cross 64/33. other id: SU 1369. group: SU. Cultivated. Seed.


PI 569513  origin: Sudan. origin institute id: IS 19580. pedigree: Cross 43/43. other id: SU 1374. group: SU. Cultivated. Seed.


PI 569518  origin: Sudan. origin institute id: IS 19585. pedigree: Cross 51R/58. other id: SU 1379. group: SU. Cultivated. Seed.


PI 569524  origin: Sudan. origin institute id: IS 19591. other id: SU 1385. group: SU. Cultivated. Seed.


PI 569528  origin: Sudan. origin institute id: IS 19595. pedigree: Cross 65/43. other id: SU 1389. group: SU. Cultivated. Seed.

PI 569529  origin: Sudan. origin institute id: IS 19596. pedigree: Cross 65/77. other id: SU 1390. group: SU. Cultivated. Seed.


PI 569536  origin: Sudan. origin institute id: IS 19604. pedigree: Cross 51R/33. other id: SU 1397. group: SU. Cultivated. Seed.

PI 569537  origin: Sudan. origin institute id: IS 19605. pedigree: Cross 56/34. other id: SU 1398. group: SU. Cultivated. Seed.


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PI 569581 origin: Sudan. origin institute id: IS 19650. pedigree: Cross 47/47. other id: SU 1442. group: SU. Cultivated. Seed.


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PI 569612 origin: Sudan. origin institute id: IS 20525. other id: SU 1473. group: SU. other id: PN 4559. Cultivated.
Seed.

PI 569613 origin: Sudan. origin institute id: IS 20526. other id: SU 1474. group: SU. other id: PN 4574. Cultivated.
Seed.

PI 569614 origin: Sudan. origin institute id: IS 20527. other id: SU 1475. group: SU. other id: PN 4590. Cultivated.
Seed.

PI 569615 origin: Sudan. origin institute id: IS 20528. other id: SU 1476. group: SU. other id: PN 4611. Cultivated.
Seed.

PI 569616 origin: Sudan. origin institute id: IS 20529. other id: SU 1477. group: SU. other id: PN 4616. Cultivated.
Seed.

PI 569617 origin: Sudan. origin institute id: IS 20530. other id: SU 1478. group: SU. other id: PN 4632. Cultivated.
Seed.

PI 569618 origin: Sudan. origin institute id: IS 20531. other id: SU 1479. group: SU. other id: PN 4656. Cultivated.
Seed.

PI 569619 origin: Sudan. origin institute id: IS 20532. other id: SU 1480. group: SU. other id: PN 4655. Cultivated.
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PI 569620 origin: Sudan. origin institute id: IS 20533. other id: SU 1481. group: SU. other id: PN 4658. Cultivated.
Seed.

PI 569621 origin: Sudan. origin institute id: IS 20534. other id: SU 1482. group: SU. other id: PN 4661. Cultivated.
Seed.

PI 569622 origin: Sudan. origin institute id: IS 20535. other id: SU 1483. group: SU. other id: PN 4677. Cultivated.
Seed.

PI 569623 origin: Sudan. origin institute id: IS 20536. other id: SU 1484. group: SU. other id: PN 4691. Cultivated.
Seed.

Seed.


PI 569649  origin: Sudan.  origin institute id: IS 20562.  other id: SU 1510.  group: SU.  other id: PN 5073.  Cultivated.  Seed.

PI 569664  
origin: Sudan.  
origin institute id: IS 20577.  
other id: SU 1525.  
group: SU.  
other id: PN 5181.  
Cultivated.  
Seed.

PI 569665  
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origin institute id: IS 20578.  
cultivar: TUB-7.  
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group: SU.  
other id: PN 5193.  
Cultivated.  
Seed.

PI 569666  
origin: Sudan.  
origin institute id: IS 20579.  
cultivar: DABAR.  
other id: SU 1527.  
group: SU.  
Cultivated.  
Seed.

PI 569667  
origin: Sudan.  
origin institute id: IS 20580.  
cultivar: KARK 4/1/1.  
other id: SU 1528.  
group: SU.  
Cultivated.  
Seed.

PI 569668  
origin: Sudan.  
origin institute id: IS 20581.  
cultivar: GADAN EL HARMAN.  
other id: SU 1529.  
group: SU.  
Cultivated.  
Seed.

PI 569669  
origin: Sudan.  
origin institute id: IS 20582.  
other id: SU 1530.  
group: SU.  
Cultivated.  
Seed.

PI 569670  
origin: Sudan.  
origin institute id: IS 20583.  
other id: SU 1531.  
group: SU.  
other id: PN 6009.  
Cultivated.  
Seed.

PI 569671  
origin: Sudan.  
origin institute id: IS 20584.  
other id: SU 1532.  
group: SU.  
other id: PN 6010.  
Cultivated.  
Seed.

PI 569672  
origin: Sudan.  
origin institute id: IS 20585.  
other id: SU 1533.  
group: SU.  
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Seed.

PI 569673  
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group: SU.  
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Seed.

PI 569674  
origin: Sudan.  
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other id: SU 1535.  
group: SU.  
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Cultivated.  
Seed.

PI 569675  
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origin institute id: IS 20588.  
other id: SU 1536.  
group: SU.  
other id: PN 6058.  
Cultivated.  
Seed.

PI 569676  
origin: Sudan.  
origin institute id: IS 20589.  
other id: SU 1537.  
group: SU.  
other id: PN 6059.  
Cultivated.  
Seed.


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PI 569695  origin: Sudan. origin institute id: IS 20855. cultivar: GASSALRI. other id: SU 1556. group: SU. Cultivated. Seed.

PI 569696  origin: Sudan. origin institute id: IS 20856. cultivar: GALBELGAKHAO. other id: SU 1557. group: SU. Cultivated. Seed.

PI 569697  origin: Sudan. origin institute id: IS 20862. cultivar: LOCAL MUGUD. other id: SU 1558. group: SU. Cultivated. Seed.


PI 568987 to 570607-continued

PI 569703 origin: Sudan. origin institute id: IS 21730. other id: SU 1564. group: SU. other id: Collection-446. Cultivated. Seed.


PI 569720 origin: Sudan. origin institute id: IS 21747. other id: SU 1581. group: SU. Cultivated. Seed.


PI 569742  
**origin**: Sudan.  **origin institute id**: IS 21769.  **pedigree**: 6143-WM-77-W-89.  **other id**: SU 1603.  **group**: SU. 
Cultivated. Seed.

PI 569743  
**origin**: Sudan.  **origin institute id**: IS 21770.  **pedigree**: 6150-WM-77-W-91.  **other id**: SU 1604.  **group**: SU. 
Cultivated. Seed.

PI 569744  
**origin**: Sudan.  **origin institute id**: IS 21771.  **pedigree**: 6169-WM-77-W-93.  **other id**: SU 1605.  **group**: SU. 
Cultivated. Seed.

PI 569745  
**origin**: Sudan.  **origin institute id**: IS 21772.  **pedigree**: 6193-WM-77-W-98.  **other id**: SU 1606.  **group**: SU. 
Cultivated. Seed.

PI 569746  
**origin**: Sudan.  **origin institute id**: IS 21773.  **pedigree**: 6198-WM-77-W-99.  **other id**: SU 1607.  **group**: SU. 
Cultivated. Seed.

PI 569747  
**origin**: Sudan.  **origin institute id**: IS 21774.  **pedigree**: 6199-WM-77-W-100.  **other id**: SU 1608.  **group**: SU. 
Cultivated. Seed.

PI 569748  
**origin**: Sudan.  **origin institute id**: IS 21775.  **pedigree**: 6213-WM-77-W-102.  **other id**: SU 1609.  **group**: SU. 
Cultivated. Seed.

PI 569749  
**origin**: Sudan.  **origin institute id**: IS 21776.  **pedigree**: 6224-WM-77-W-104.  **other id**: SU 1610.  **group**: SU. 
Cultivated. Seed.

PI 569750  
**origin**: Sudan.  **origin institute id**: IS 21777.  **pedigree**: 6269-WM-77-W-108.  **other id**: SU 1611.  **group**: SU. 
Cultivated. Seed.

PI 569751  
**origin**: Sudan.  **origin institute id**: IS 21778.  **pedigree**: 6270-WM-77-W-109.  **other id**: SU 1612.  **group**: SU. 
Cultivated. Seed.

PI 569752  
**origin**: Sudan.  **origin institute id**: IS 21779.  **pedigree**: 6313-WM-77-W-111.  **other id**: SU 1613.  **group**: SU. 
Cultivated. Seed.

PI 569753  
**origin**: Sudan.  **origin institute id**: IS 21780.  **pedigree**: 6323-WM-77-W-112.  **other id**: SU 1614.  **group**: SU. 
Cultivated. Seed.

PI 569754  
**origin**: Sudan.  **origin institute id**: IS 21782.  **pedigree**: 6328-WM-77-W-114.  **other id**: SU 1616.  **group**: SU. 
Cultivated. Seed.

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PI 569755  
**origin:** Sudan.  
**origin institute id:** IS 21783.  
**pedigree:** 6334-WM-77-W-115.  
**other id:** SU 1617.  
**group:** SU.  
Cultivated.  
Seed.

PI 569756  
**origin:** Sudan.  
**origin institute id:** IS 21784.  
**pedigree:** 6337-WM-77-W-116.  
**other id:** SU 1618.  
**group:** SU.  
Cultivated.  
Seed.

PI 569757  
**origin:** Sudan.  
**origin institute id:** IS 21785.  
**pedigree:** 6349-WM-77-W-117.  
**other id:** SU 1619.  
**group:** SU.  
Cultivated.  
Seed.

PI 569758  
**origin:** Sudan.  
**origin institute id:** IS 21786.  
**pedigree:** 6354-WM-77-W-118.  
**other id:** SU 1620.  
**group:** SU.  
Cultivated.  
Seed.

PI 569759  
**origin:** Sudan.  
**origin institute id:** IS 21787.  
**pedigree:** WM-77-W-309.  
**other id:** SU 1621.  
**group:** SU.  
Cultivated.  
Seed.

PI 569760  
**origin:** Sudan.  
**origin institute id:** IS 21788.  
**pedigree:** WM-77-W-308.  
**other id:** SU 1622.  
**group:** SU.  
Cultivated.  
Seed.

PI 569761  
**origin:** Sudan.  
**origin institute id:** IS 21789.  
**pedigree:** WM-77-W-310.  
**other id:** SU 1623.  
**group:** SU.  
Cultivated.  
Seed.

PI 569762  
**origin:** Sudan.  
**origin institute id:** IS 21790.  
**pedigree:** WM-77-W-368.  
**other id:** SU 1624.  
**group:** SU.  
Cultivated.  
Seed.

PI 569763  
**origin:** Sudan.  
**origin institute id:** IS 21791.  
**pedigree:** WM-77-W-370.  
**other id:** SU 1625.  
**group:** SU.  
Cultivated.  
Seed.

PI 569764  
**origin:** Sudan.  
**origin institute id:** IS 21792.  
**pedigree:** WM-77-W-373.  
**other id:** SU 1626.  
**group:** SU.  
Cultivated.  
Seed.

PI 569765  
**origin:** Sudan.  
**origin institute id:** IS 21793.  
**pedigree:** WM-77-W-376.  
**other id:** SU 1627.  
**group:** SU.  
Cultivated.  
Seed.

PI 569766  
**origin:** Sudan.  
**origin institute id:** IS 21794.  
**pedigree:** WM-77-W-377.  
**other id:** SU 1628.  
**group:** SU.  
Cultivated.  
Seed.

PI 569767  
**origin:** Sudan.  
**origin institute id:** IS 21795.  
**pedigree:** WM-77-W-378.  
**other id:** SU 1629.  
**group:** SU.  
Cultivated.  
Seed.
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<th>Pedigree</th>
<th>Other ID</th>
<th>Group</th>
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<td>Other ID: 3677 B. Cultivated. Seed.</td>
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<td>Other ID: TX 622 B. Cultivated. Seed.</td>
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<td>Other ID: TX 623 B. Cultivated. Seed.</td>
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<td>SU.</td>
<td>Other ID: TX 624 B. Cultivated. Seed.</td>
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PI 569794  
origin: Sudan.  
origin institute id: IS 21822.  
pedigree: Alad 6287 Origin-42.  
other id: SU 1656.  
group: SU.  
Cultivated.  
Seed.

PI 569795  
origin: Sudan.  
origin institute id: IS 21823.  
other id: SU 1657.  
group: SU.  
other id: CK 74B.  
Cultivated.  
Seed.

PI 569796  
origin: Sudan.  
origin institute id: IS 21824.  
other id: SU 1658.  
group: SU.  
other id: 648 B.  
Cultivated.  
Seed.

PI 569797  
origin: Sudan.  
origin institute id: IS 21825.  
other id: SU 1659.  
group: SU.  
other id: 1005 B.  
Cultivated.  
Seed.

PI 569798  
origin: Sudan.  
origin institute id: IS 21826.  
other id: SU 1660.  
group: SU.  
other id: 1007 B.  
Cultivated.  
Seed.

PI 569799  
origin: Sudan.  
origin institute id: IS 21827.  
other id: SU 1661.  
group: SU.  
other id: 1009 B.  
Cultivated.  
Seed.

PI 569800  
origin: Sudan.  
origin institute id: IS 21829.  
other id: SU 1662.  
group: SU.  
other id: NDI-B.  
Cultivated.  
Seed.

PI 569801  
origin: Sudan.  
origin institute id: IS 21830.  
other id: SU 1663.  
group: SU.  
other id: HD 335.  
other id: CK 11-D-B.  
Cultivated.  
Seed.

PI 569802  
origin: Sudan.  
origin institute id: IS 21831.  
other id: SU 1664.  
group: SU.  
other id: HKI-B.  
Cultivated.  
Seed.

PI 569803  
origin: Sudan.  
origin institute id: IS 22357.  
other id: SU 1665.  
group: SU.  
other id: PGI-2.  
Cultivated.  
Seed.

PI 569804  
origin: Sudan.  
origin institute id: IS 22358.  
other id: SU 1666.  
group: SU.  
other id: PGI-4.  
Cultivated.  
Seed.

PI 569805  
origin: Sudan.  
origin institute id: IS 22359.  
other id: SU 1667.  
group: SU.  
other id: PGI-8.  
Cultivated.  
Seed.

PI 569806  
origin: Sudan.  
origin institute id: IS 22360.  
cultivar: ABUSEDEIN IMPROVED.  
other id: SU 1668.  
group: SU.  
other id: PGI-14.  
Cultivated.  
Seed.


PI 569927  origin: Sudan. origin institute id: IS 22482. other id: SU 1789. group: SU. other id: A-4-A. Cultivated. Seed.

PI 569928  origin: Sudan. origin institute id: IS 22483. other id: SU 1790. group: SU. other id: A-4-M. Cultivated. Seed.


PI 569930  origin: Sudan. origin institute id: IS 22485. other id: SU 1792. group: SU. other id: A-7-M. Cultivated. Seed.


PI 569976  

PI 569977  

PI 569978  

PI 569979  

PI 569980  

PI 569981  

PI 569982  

PI 569983  

PI 569984  

PI 569985  

PI 569986  

PI 569987  

PI 569988  

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PI 569989  
origin: Sudan.  
origin institute id: IS 22546.  
other id: SU 1851.  
group: SU.  
other id: A-309-A.  
Cultivated.  
Seed.

PI 569990  
origin: Sudan.  
origin institute id: IS 22547.  
other id: SU 1852.  
group: SU.  
other id: A-353-M.  
Cultivated.  
Seed.

PI 569991  
origin: Sudan.  
origin institute id: IS 22548.  
other id: SU 1853.  
group: SU.  
other id: A-360-A.  
Cultivated.  
Seed.

PI 569992  
origin: Sudan.  
origin institute id: IS 22549.  
other id: SU 1854.  
group: SU.  
other id: A-364-A.  
Cultivated.  
Seed.

PI 569993  
origin: Sudan.  
origin institute id: IS 22550.  
other id: SU 1855.  
group: SU.  
other id: A-365-A.  
Cultivated.  
Seed.

PI 569994  
origin: Sudan.  
origin institute id: IS 22551.  
other id: SU 1856.  
group: SU.  
other id: A-367-A.  
Cultivated.  
Seed.

PI 569995  
origin: Sudan.  
origin institute id: IS 22552.  
other id: SU 1857.  
group: SU.  
other id: A-369-A.  
Cultivated.  
Seed.

PI 569996  
origin: Sudan.  
origin institute id: IS 22553.  
other id: SU 1858.  
group: SU.  
other id: A-373-A.  
Cultivated.  
Seed.

PI 569997  
origin: Sudan.  
origin institute id: IS 22554.  
other id: SU 1859.  
group: SU.  
other id: A-380-A.  
Cultivated.  
Seed.

PI 569998  
origin: Sudan.  
origin institute id: IS 22555.  
other id: SU 1860.  
group: SU.  
other id: A-390-A.  
Cultivated.  
Seed.

PI 569999  
origin: Sudan.  
origin institute id: IS 22556.  
other id: SU 1861.  
group: SU.  
other id: A-391-A.  
Cultivated.  
Seed.

PI 570000  
origin: Sudan.  
origin institute id: IS 22557.  
other id: SU 1862.  
group: SU.  
other id: A-397-A.  
Cultivated.  
Seed.

PI 570001  
origin: Sudan.  
origin institute id: IS 22558.  
other id: SU 1863.  
group: SU.  
other id: A-398-A.  
Cultivated.  
Seed.
PI 568987 to 570607-continued


PI 570052 origin: Sudan. origin institute id: IS 22830. other id: SU 1914. group: SU. other id: S-26A. Cultivated. Seed.


PI 570063  

PI 570064  

PI 570065  

PI 570066  

PI 570067  

PI 570068  

PI 570069  

PI 570070  

PI 570071  

PI 570072  

PI 570073  

PI 570074  

PI 570075  

PI 570076  

PI 570077  

PI 570078  
PI 570079  origin: Sudan.  origin institute id: IS 22857.  other id: SU 1941.  group: SU.  other id: S-54A.  Cultivated.  Seed.

PI 570080  origin: Sudan.  origin institute id: IS 22858.  other id: SU 1942.  group: SU.  other id: S-54B.  Cultivated.  Seed.


PI 568987 to 570607-continued


PI 570183 origin: Sudan. origin institute id: IS 22963. other id: SU 2045. group: SU. other id: K-76. Cultivated. Seed.


PI 570197  

PI 570198  

PI 570199  

PI 570200  

PI 570201  

PI 570202  

PI 570203  

PI 570204  

PI 570205  
origin: Sudan. origin institute id: IS 22985. other id: SU 2067. group: SU. other id: K-98A. Cultivated. Seed.

PI 570206  
origin: Sudan. origin institute id: IS 22986. other id: SU 2068. group: SU. other id: K-98B. Cultivated. Seed.

PI 570207  

PI 570208  
origin: Sudan. origin institute id: IS 22988. other id: SU 2070. group: SU. other id: K-100. Cultivated. Seed.

PI 570209  

PI 570210  

PI 570211  
PI 568987 to 570607-continued


PI 570245  origin: Sudan.  origin institute id: IS 23025.  other id: SU 2107.  group: SU.  other id: K-144.  Cultivated.  Seed.


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PI 570265  origin: Sudan. origin institute id: IS 23045. other id: SU 2127. group: SU. other id: KA-44. Cultivated. Seed.


PI 570275  origin: Sudan. origin institute id: IS 23055. other id: SU 2137. group: SU. other id: KA-64. Cultivated. Seed.


PI 570293 origin: Sudan. origin institute id: IS 23073. other id: SU 2155. group: SU. other id: KA-100. Cultivated. Seed.


PI 570334 origin: Sudan. origin institute id: IS 25008. other id: SU 2196. group: SU. other id: AB-44. Cultivated. Seed.


PI 570352  origin: Sudan. origin institute id: IS 25026. other id: SU 2214. group: SU. other id: AB-64. Cultivated. Seed.


PI 570356  origin: Sudan. origin institute id: IS 25030. other id: SU 2218. group: SU. other id: AB-68. Cultivated. Seed.


PI 570365  origin: Sudan.  origin institute id: IS 25039.  other id: SU 2227.  group: SU.  other id: AB-78.  Cultivated.  Seed.


PI 570372  origin: Sudan. origin institute id: IS 25046. other id: SU 2234. group: SU. other id: ABXET 42. Cultivated. Seed.


PI 568987 to 570607-continued

PI 570396  
origin: Sudan.  
origin institute id: IS 26852.  
cultivar: ANGULERU.  
other id: SU 2258.  
group: SU.  
other id: MBKB 35.  
locality: Okola.  
Cultivated.  
Seed.

PI 570397  
origin: Sudan.  
origin institute id: IS 26853.  
cultivar: NATAWLEK.  
other id: SU 2259.  
group: SU.  
other id: MBKB 36.  
locality: Okola.  
Cultivated.  
Seed.

PI 570398  
origin: Sudan.  
origin institute id: IS 26854.  
cultivar: AGUYALE.  
other id: SU 2260.  
group: SU.  
other id: MBKB 37.  
locality: Okola.  
Cultivated.  
Seed.

PI 570399  
origin: Sudan.  
origin institute id: IS 26855.  
cultivar: LODIONG.  
other id: SU 2261.  
group: SU.  
other id: MBKB 38.  
locality: Okola.  
Cultivated.  
Seed.

PI 570400  
origin: Sudan.  
origin institute id: IS 26856.  
cultivar: LABALWA.  
other id: SU 2262.  
group: SU.  
other id: MBKB 39.  
Cultivated.  
Seed.

PI 570401  
origin: Sudan.  
origin institute id: IS 26857.  
cultivar: KABIR.  
other id: SU 2263.  
group: SU.  
other id: MBKB 41.  
locality: Magwi.  
Cultivated.  
Seed.

PI 570402  
origin: Sudan.  
origin institute id: IS 26858.  
cultivar: PUCHALLA WHITE.  
other id: SU 2264.  
group: SU.  
other id: MBKB 42.  
locality: Boma Hills.  
Cultivated.  
Seed.

PI 570403  
origin: Sudan.  
origin institute id: IS 27000.  
other id: SU 2265.  
group: SU.  
other id: WM 11165 (Yellow).  
Cultivated.  
Seed.

PI 570404  
origin: Sudan.  
origin institute id: IS 27007.  
other id: SU 2266.  
group: SU.  
other id: WM 11165 (Straw).  
Cultivated.  
Seed.

PI 570405  
origin: Sudan.  
origin institute id: IS 27009.  
other id: SU 2267.  
group: SU.  
other id: WM 11169.  
Cultivated.  
Seed.

PI 570406  
origin: Sudan.  
origin institute id: IS 27010.  
other id: SU 2268.  
group: SU.  
other id: WM 11171.  
Cultivated.  
Seed.

PI 570407  
origin: Sudan.  
origin institute id: IS 27011.  
other id: SU 2269.  
group: SU.  
other id: WM 11173.  
Cultivated.  
Seed.

PI 570408  
origin: Sudan.  
origin institute id: IS 27012.  
other id: SU 2270.  
group: SU.  
other id: WM 11187.  
Cultivated.  
Seed.

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PI 568987 to 570607—continued


PI 570445  origin: Sudan.  origin institute id: IS 2024.  other id: SU 2310.  group: SU.  Cultivated.  Seed.

PI 570446  origin: Sudan.  origin institute id: IS 2025B.  other id: SU 2312.  group: SU.  Cultivated.  Seed.

PI 570447  origin: Sudan.  origin institute id: IS 2027.  other id: SU 2314.  group: SU.  Cultivated.  Seed.

PI 570448  origin: Sudan.  origin institute id: IS 2029.  other id: SU 2316.  group: SU.  Cultivated.  Seed.

PI 570449  origin: Sudan.  origin institute id: IS 2033A.  other id: SU 2319.  group: SU.  Cultivated.  Seed.

PI 570450  origin: Sudan.  origin institute id: IS 2033B.  other id: SU 2320.  group: SU.  Cultivated.  Seed.


PI 570453  origin: Sudan.  origin institute id: IS 2048.  other id: SU 2335.  group: SU.  Cultivated.  Seed.

PI 570454  origin: Sudan.  origin institute id: IS 2049.  other id: SU 2336.  group: SU.  Cultivated.  Seed.

PI 570455  origin: Sudan.  origin institute id: IS 2050.  other id: SU 2337.  group: SU.  Cultivated.  Seed.

PI 570456  origin: Sudan.  origin institute id: IS 2054.  other id: SU 2341.  group: SU.  Cultivated.  Seed.


PI 570458  origin: Sudan.  origin institute id: IS 2056.  other id: SU 2343.  group: SU.  Cultivated.  Seed.

PI 570459  origin: Sudan.  origin institute id: IS 2060.  other id: SU 2347.  group: SU.  Cultivated.  Seed.

PI 570460  origin: Sudan.  origin institute id: IS 2064.  other id: SU 2351.  group: SU.  Cultivated.  Seed.

PI 570461  origin: Sudan.  origin institute id: IS 2070.  other id: SU 2357.  group: SU.  Cultivated.  Seed.

PI 570462  origin: Sudan.  origin institute id: IS 2071.  other id: SU 2358.  group: SU.  Cultivated.  Seed.

PI 570463  origin: Sudan.  origin institute id: IS 2072.  other id: SU 2359.  group: SU.  Cultivated.  Seed.

PI 570464  origin: Sudan.  origin institute id: IS 2077.  other id: SU 2364.  group: SU.  Cultivated.  Seed.

PI 568987 to 570607-continued

PI 570466  origin: Sudan. origin institute id: IS 2079. other id: SU 2366. group: SU. Cultivated. Seed.
PI 570467  origin: Sudan. origin institute id: IS 2081. other id: SU 2368. group: SU. Cultivated. Seed.
PI 570468  origin: Sudan. origin institute id: IS 2082. other id: SU 2369. group: SU. Cultivated. Seed.
PI 570469  origin: Sudan. origin institute id: IS 2083. other id: SU 2370. group: SU. Cultivated. Seed.
PI 570470  origin: Sudan. origin institute id: IS 2084. other id: SU 2371. group: SU. Cultivated. Seed.
PI 570471  origin: Sudan. origin institute id: IS 2085. other id: SU 2372. group: SU. Cultivated. Seed.
PI 570472  origin: Sudan. origin institute id: IS 2086. other id: SU 2373. group: SU. Cultivated. Seed.
PI 570473  origin: Sudan. origin institute id: IS 2087. other id: SU 2374. group: SU. Cultivated. Seed.
PI 570474  origin: Sudan. origin institute id: IS 2088. other id: SU 2375. group: SU. Cultivated. Seed.
PI 570475  origin: Sudan. origin institute id: IS 2093. source history: India. other id: SU 2380. group: SU. Cultivated. Seed.
PI 570476  origin: Sudan. origin institute id: IS 2094. other id: SU 2381. group: SU. Cultivated. Seed.
PI 570477  origin: Sudan. origin institute id: IS 2095. source history: India. other id: SU 2382. group: SU. Cultivated. Seed.
PI 570478  origin: Sudan. origin institute id: IS 2096. source history: India. other id: SU 2383. group: SU. Cultivated. Seed.
PI 570479  origin: Sudan. origin institute id: IS 2097. source history: India. other id: SU 2384. group: SU. Cultivated. Seed.
PI 570480  origin: Sudan. origin institute id: IS 4141. other id: SU 2396. group: SU. Cultivated. Seed.
PI 570481  origin: Sudan. origin institute id: IS 2533. other id: SU 2424. group: SU. Cultivated. Seed.
PI 570482 origin: Sudan. origin institute id: IS 2536. source history: Beltsville, Maryland, United States. other id: SU 2427. group: SU. other id: MN 789. group: MN. Cultivated. Seed.

PI 570483 origin: Sudan. origin institute id: IS 2591. other id: SU 2428. group: SU. Cultivated. Seed.

PI 570484 origin: Sudan. origin institute id: IS 2547. other id: SU 2430. group: SU. Cultivated. Seed.

PI 570485 origin: Sudan. origin institute id: IS 2555. source history: Beltsville, Maryland, United States. other id: SU 2436. group: SU. other id: MN 817. group: MN. Cultivated. Seed.

PI 570486 origin: Sudan. origin institute id: IS 2557. other id: SU 2438. group: SU. Cultivated. Seed.

PI 570487 origin: Sudan. origin institute id: IS 2563. other id: SU 2444. group: SU. Cultivated. Seed.

PI 570488 origin: Sudan. origin institute id: IS 2574. other id: SU 2451. group: SU. Cultivated. Seed.

PI 570489 origin: Sudan. origin institute id: IS 2620. other id: SU 2457. group: SU. Cultivated. Seed.

PI 570490 origin: Sudan. origin institute id: IS 2092. other id: SU 2460. group: SU. Cultivated. Seed.

PI 570491 origin: Sudan. origin institute id: IS 2095. source history: India. other id: SU 2461. group: SU. Cultivated. Seed.

PI 570492 origin: Sudan. origin institute id: IS 2096. source history: India. other id: SU 2462. group: SU. Cultivated. Seed.

PI 570493 origin: Sudan. origin institute id: IS 2097. source history: India. other id: SU 2463. group: SU. Cultivated. Seed.

PI 570494 origin: Sudan. other id: SU 2527. group: SU. other id: A/2 IS 6944. group: IS. Cultivated. Seed.

PI 570495 origin: Sudan. other id: SU 2534. group: SU. other id: A/11 IS 3584. group: IS. Cultivated. Seed.

PI 570496 origin: Sudan. other id: SU 2536. group: SU. other id: A/15 IS 2471. group: IS. Cultivated. Seed.
PI 568987 to 570607—continued

PI 570497  origin: Sudan.  other id: SU 2538.  group: SU.  other id: A/16 IS 7016.  group: IS.  Cultivated.  Seed.

PI 570498  origin: Sudan.  other id: SU 2539.  group: SU.  other id: A/18 IS 3445.  group: IS.  Cultivated.  Seed.

PI 570499  origin: Sudan.  other id: SU 2546.  group: SU.  other id: A/26A IS 7006.  group: IS.  Cultivated.  Seed.

PI 570500  origin: Sudan.  other id: SU 2549.  group: SU.  other id: A/28 IS 3449.  group: IS.  Cultivated.  Seed.

PI 570501  origin: Sudan.  other id: SU 2550.  group: SU.  other id: A/30A IS 2267.  group: IS.  Cultivated.  Seed.

PI 570502  origin: Sudan.  other id: SU 2551.  group: SU.  other id: A/34 IS 2484.  group: IS.  Cultivated.  Seed.


PI 570504  origin: Sudan.  other id: SU 2555.  group: SU.  other id: A/41 IS 3454.  group: IS.  Cultivated.  Seed.

PI 570505  origin: Sudan.  other id: SU 2556.  group: SU.  other id: A/42 IS 3455.  group: IS.  Cultivated.  Seed.


PI 570508  origin: Sudan.  other id: SU 2564.  group: SU.  other id: A/50 IS 2306.  group: IS.  Cultivated.  Seed.

PI 570509  origin: Sudan.  other id: SU 2565.  group: SU.  other id: A/52 IS 3459.  group: IS.  Cultivated.  Seed.


PI 570511  origin: Sudan.  other id: SU 2567.  group: SU.  other id: A/54 IS 3586.  group: IS.  Cultivated.  Seed.

PI 570512  origin: Sudan.  other id: SU 2568.  group: SU.  other id: A/55 IS 2285.  group: IS.  Cultivated.  Seed.

PI 570513  origin: Sudan.  other id: SU 2569.  group: SU.  other id: A/58 IS 2362.  group: IS.  Cultivated.  Seed.
PI 570514 origin: Sudan. other id: SU 2570. group: SU. other id: A/60 IS 6929. group: IS. Cultivated. Seed.
PI 570515 origin: Sudan. other id: SU 2571. group: SU. other id: A/61 IS 6930. group: IS. Cultivated. Seed.
PI 570516 origin: Sudan. other id: SU 2572. group: SU. other id: A/64A IS 3463. group: IS. Cultivated. Seed.
PI 570517 origin: Sudan. other id: SU 2573. group: SU. other id: A/65 IS 3464. group: IS. Cultivated. Seed.
PI 570518 origin: Sudan. other id: SU 2574. group: SU. other id: A/68 IS 3465. group: IS. Cultivated. Seed.
PI 570519 origin: Sudan. other id: SU 2577. group: SU. other id: A/72 IS 3589. group: IS. Cultivated. Seed.
PI 570520 origin: Sudan. other id: SU 2578. group: SU. other id: A/73 IS 3468. group: IS. Cultivated. Seed.
PI 570521 origin: Sudan. other id: SU 2579. group: SU. other id: A/75 IS 3588. group: IS. Cultivated. Seed.
PI 570522 origin: Sudan. other id: SU 2581. group: SU. other id: A/80 IS 6895. group: IS. Cultivated. Seed.
PI 570523 origin: Sudan. other id: SU 2582. group: SU. other id: A/82 IS 9870. group: IS. Cultivated. Seed.
PI 570524 origin: Sudan. other id: SU 2583. group: SU. other id: A/83 IS 3472. group: IS. Cultivated. Seed.
PI 570525 origin: Sudan. other id: SU 2584. group: SU. other id: A/84 IS 3590. group: IS. Cultivated. Seed.
PI 570526 origin: Sudan. other id: SU 2586. group: SU. other id: A/87 IS 3473. group: IS. Cultivated. Seed.
PI 570527 origin: Sudan. other id: SU 2587. group: SU. other id: A/88 IS 6922. group: IS. Cultivated. Seed.
PI 570528 origin: Sudan. other id: SU 2588. group: SU. other id: A/89 IS 7065. group: IS. Cultivated. Seed.
PI 570529 origin: Sudan. other id: SU 2591. group: SU. other id: A/91 IS 6938. group: IS. Cultivated. Seed.
PI 570530 origin: Sudan. other id: SU 2592. group: SU. other id: A/92 IS 3476. group: IS. Cultivated. Seed.
PI 568987 to 570607-continued

PI 570531  origin: Sudan.  other id: SU 2593.  group: SU.  other id: A/94 IS 6985.  group: IS. Cultivated. Seed.

PI 570532  origin: Sudan.  other id: SU 2594.  group: SU.  other id: A/95 IS 3478.  group: IS. Cultivated. Seed.

PI 570533  origin: Sudan.  other id: SU 2596.  group: SU.  other id: A/97 IS 9751.  group: IS. Cultivated. Seed.

PI 570534  origin: Sudan.  other id: SU 2597.  group: SU.  other id: A/98 IS 9752.  group: IS. Cultivated. Seed.


PI 570536  origin: Sudan.  other id: SU 2600.  group: SU.  other id: A/103 IS 6898.  group: IS. Cultivated. Seed.

PI 570537  origin: Sudan.  other id: SU 2601.  group: SU.  other id: A/104 IS 9881.  group: IS. Cultivated. Seed.

PI 570538  origin: Sudan.  other id: SU 2602.  group: SU.  other id: A/105 IS 6950.  group: IS. Cultivated. Seed.


PI 570540  origin: Sudan.  other id: SU 2606.  group: SU.  other id: A/110 IS 3483.  group: IS. Cultivated. Seed.

PI 570541  origin: Sudan.  other id: SU 2607.  group: SU.  other id: A/111 IS 9800.  group: IS. Cultivated. Seed.

PI 570542  origin: Sudan.  other id: SU 2611.  group: SU.  other id: A/115 IS 3485.  group: IS. Cultivated. Seed.

PI 570543  origin: Sudan.  other id: SU 2612.  group: SU.  other id: A/117 IS 7058.  group: IS. Cultivated. Seed.

PI 570544  origin: Sudan.  other id: SU 2615.  group: SU.  other id: A/122 IS 6976.  group: IS. Cultivated. Seed.

PI 570545  origin: Sudan.  other id: SU 2616.  group: SU.  other id: A/123 IS 6990.  group: IS. Cultivated. Seed.


PI 570547  origin: Sudan.  other id: SU 2618.  group: SU.  other id: A/125 IS 6980.  group: IS. Cultivated. Seed.
PI 570548  
origin: Sudan.  
A/127 IS 3486.  
other id: SU 2619. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570549  
origin: Sudan.  
A/128 IS 3487.  
other id: SU 2621. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570550  
origin: Sudan.  
A/135 IS 6975.  
other id: SU 2627. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570551  
origin: Sudan.  
A/140 IS 2389.  
other id: SU 2630. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570552  
origin: Sudan.  
A/141 IS 3600.  
other id: SU 2631. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570553  
origin: Sudan.  
A/142 IS 9728.  
other id: SU 2632. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570554  
origin: Sudan.  
A/146 IS 6977.  
other id: SU 2634. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570555  
origin: Sudan.  
A/148 IS 3494.  
other id: SU 2635. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570556  
origin: Sudan.  
A/151 IS 3601.  
other id: SU 2639. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570557  
origin: Sudan.  
A/155 IS 3495.  
other id: SU 2640. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570558  
origin: Sudan.  
A/156 IS 9764.  
other id: SU 2642. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570559  
origin: Sudan.  
A/158 IS 9861.  
other id: SU 2643. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570560  
origin: Sudan.  
A/168 IS 9655.  
other id: SU 2652. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570561  
origin: Sudan.  
A/170 IS 3497.  
other id: SU 2653. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570562  
origin: Sudan.  
A/177 IS 3599.  
other id: SU 2656. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570563  
origin: Sudan.  
A/181 IS 9894.  
other id: SU 2657. group: SU. other id:  
group: IS. Cultivated. Seed.

PI 570564  
origin: Sudan.  
A/185 IS 9895.  
other id: SU 2658. group: SU. other id:  
group: IS. Cultivated. Seed.
PI 570582 origin: Sudan. other id: SU 2704. group: SU. other id: A/266 IS 3542. group: IS. Cultivated. Seed.
PI 570583 origin: Sudan. other id: SU 2705. group: SU. other id: A/268 IS 3543. Cultivated. Seed.
PI 570584 origin: Sudan. other id: SU 2707. group: SU. other id: A/270 IS 9779. group: IS. Cultivated. Seed.
PI 570585 origin: Sudan. other id: SU 2710. group: SU. other id: A/275 IS 3547. group: IS. Cultivated. Seed.
PI 570588 origin: Sudan. other id: SU 2718. group: SU. other id: A/290 IS 3552. group: IS. Cultivated. Seed.
PI 570590 origin: Sudan. other id: SU 2720. group: SU. other id: A/292 IS 6952. group: IS. Cultivated. Seed.
PI 570591 origin: Sudan. other id: SU 2721. group: SU. other id: A/294 IS 2334. group: IS. Cultivated. Seed.
PI 570593 origin: Sudan. other id: SU 2725. group: SU. other id: A/302 IS 3557. group: IS. Cultivated. Seed.
PI 570594 origin: Sudan. other id: SU 2731. group: SU. other id: A/312 IS 2259. group: IS. Cultivated. Seed.
PI 570595 origin: Sudan. other id: SU 2732. group: SU. other id: A/313 IS 6931. group: IS. Cultivated. Seed.
PI 570596 origin: Sudan. other id: SU 2735. group: SU. other id: A/316 IS 6938. group: IS. Cultivated. Seed.
PI 568987 to 570607-continued

PI 570599 origin: Sudan. other id: SU 2740. group: SU. other id: A/323 IS 3565. group: IS. Cultivated. Seed.

PI 570600 origin: Sudan. other id: SU 2742. group: SU. other id: A/325 IS 7023. group: IS. Cultivated. Seed.

PI 570601 origin: Sudan. other id: SU 2743. group: SU. other id: A/328 IS 9793. group: IS. Cultivated. Seed.

PI 570602 origin: Sudan. other id: SU 2745. group: SU. other id: A/329 IS 2343. group: IS. Cultivated. Seed.


PI 570604 origin: Sudan. other id: SU 2747. group: SU. other id: A/331 IS 6925. group: IS. Cultivated. Seed.

PI 570605 origin: Sudan. other id: SU 2749. group: SU. other id: A/333 IS 3569. group: IS. Cultivated. Seed.

PI 570606 origin: Sudan. other id: SU 2752. group: SU. other id: A/335 IS 3570. group: IS. Cultivated. Seed.


PI 570608 to 570609. Solanum andreanum Baker SOLANACEAE Potato

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received August 12, 1991.

PI 570608 origin: Ecuador. collected: May 12, 1991. collector id: SCLp 5075. other id: BE-3569. other id: Q 28580. latitude: 01 deg. 41 min.. longitude: 079 deg. 06 min.. elevation: 2760m. remarks: Collected during April-June 1991 as S. andreanum. Map location 24. This one collection is in the general type locality for both S. suffrutescens and S. tundalomense and may represent the type locality for both names. Wild. Seed.

PI 570610. Solanum andreanum Baker SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.


PI 570611. Solanum brachycarpum Correll SOLANACEAE Potato

Donated by: Martin, Max, IR-1, Sturgeon Bay, Wisconsin 54235, United States. remarks: Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.


PI 570612. Solanum cardiophyllum Lindley SOLANACEAE Potato

Donated by: Martin, Max, IR-1, Sturgeon Bay, Wisconsin 54235, United States. remarks: Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.


PI 570613 to 570617. Solanum colombianum Dunal SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.


PI 570613 to 570617-continued

PI 570615  origin: Colombia. collected: July 20, 1992. collector id: CPLS 1263. other id: BE-4266. other id: Q 29357. latitude: 03 deg. 20 min.. longitude: 076 deg. 05 min.. elevation: 3505m. Annual. Wild. Seed.


PI 570618 to 570619. Solanum cuatrecasasii Ochoa SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.


PI 570620 to 570621. Solanum flahaultii Bitter SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.

PI 570620  origin: Colombia. collected: July 30, 1992. collector id: CPLS 1272. other id: BE-4266. other id: Q 29361. latitude: 05 deg. 06 min.. longitude: 074 deg. 02 min.. elevation: 3400m. Annual. Wild. Seed.

PI 570622. Solanum garcia-barrigae Ochoa SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received October 09, 1992.


PI 570623 to 570624. Solanum juglandifolium Dunal SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.


PI 570624 origin: Colombia. collected: July 09, 1992. collector id: CPLS 1227. other id: BE-4266. other id: Q 29330. latitude: 00 deg. 41 min.. longitude: 077 deg. 30 min.. elevation: 2250m. Annual. Wild. Seed.

PI 570625. Solanum matehualae Hjert. & Tarn SOLANACEAE Potato

Donated by: Martin, MAR, IR-1, Sturgeon Bay, Wisconsin 54235, United States. remarks: Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.


PI 570626 to 570634. Solanum moscopanum Hawkes SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.


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PI 570635. Solanum ochranthum Dunal SOLANACEAE Potato

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received August 12, 1991.

PI 570636. Solanum orocense Ochoa  SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received October 09, 1992.


PI 570637. Solanum paramoense Bitter  SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.


PI 570638. Solanum phureja Juz. & Buk.  SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.


PI 570639. Solanum sp.  SOLANACEAE Potato

Donated by: Martin, Max, IR-1, Sturgeon Bay, Wisconsin 54235, United States. remarks: Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.


PI 570640. Solanum sp.  SOLANACEAE

Donated by: Spooner, David, USDA-ARS, University of Wisconsin, Department of Horticulture, Madison, Wisconsin 53706, United States. Received September 22, 1992.
PI 570640-continued


PI 570641 to 570642. Solanum tarnii Hawkes & Hjert. SOLANACEAE Potato

Donated by: Martin, Max, IR-1, Sturgeon Bay, Wisconsin 54235, United States. remarks: Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.


PI 570643 to 570645. Solanum verrucosum Schldl. SOLANACEAE Potato

Donated by: Martin, Max, IR-1, Sturgeon Bay, Wisconsin 54235, United States. remarks: Seeds extracted from berries sent from Mexico by P. Hjerting. Received January 03, 1992.


PI 570646. *Digitaria floridana* A. Hitchc. POACEAE Turf grass

**Donated by:** Dubin, D.B., United States; and Dubin, K.A., United States. Received June 18, 1993.

- **origin:** United States. **developed:** D.B. Dubin, K.A. Dubin.
- **cultivar:** FANTASY TURF. **other id:** PVP 9300221.
- **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570647. *Triticum aestivum* L., nom. cons. POACEAE Wheat

**Donated by:** Cebeco Zaden B.V., Netherlands. Received June 18, 1993.

- **origin:** Netherlands. **origin institute:** Cebeco Zaden B.V. Netherlands. **cultivar:** RITMO. **other id:** PVP 9300222.
- **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570648. *Phaseolus vulgaris* L. var. vulgaris FABACEAE Garden bean

**Donated by:** Asgrow Seed Company, United States. Received June 18, 1993.

- **origin:** United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** MATADOR. **other id:** PVP 9300223. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570649. *Pisum sativum* L. subsp. sativum FABACEAE Garden pea

**Donated by:** Asgrow Seed Company, United States. Received June 18, 1993.

- **origin:** United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** AWARD. **other id:** PVP 9300224. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.

PI 570650. *Phaseolus vulgaris* L. FABACEAE Common bean

**Donated by:** Asgrow Seed Company, United States. Received June 18, 1993.

- **origin:** United States. **origin institute:** Asgrow Seed Company United States. **cultivar:** XP B279. **other id:** PVP 9300225. **source:** Pending. **group:** PVPO. **patent:** PVPO. Cultivar. Seed.
PI 570651. Phaseolus vulgaris L. var. vulgaris FABACEAE Garden bean

Donated by: Asgrow Seed Company, United States. Received June 18, 1993.


PI 570652. Apium graveolens var. dulce (Miller) Pers. APIACEAE Celery

Donated by: Royal Sluis, Koninklijke Zaaizaadbedrijven, Gebroeders Sluis B.V., Netherlands. Received June 18, 1993.


PI 570653. Glycine max (L.) Merr. FABACEAE Soybean

Donated by: Helena Chemical Company, United States. Received June 18, 1993.


PI 570654. Triticum aestivum L., nom. cons. POACEAE Soft red winter wheat

Donated by: AgriPro Biosciences Inc., United States. Received June 18, 1993.

PI 570655. Lactuca sativa L. ASTERACEAE Lettuce

Donated by: Asgrow Seed Company, United States. Received June 18, 1993.


PI 570656. Avena sativa L. POACEAE Spring oat

Donated by: University of Illinois, United States. Received June 18, 1993.


PI 570657. Bromus stamineus Desv. POACEAE Bromegrass


PI 570658. Glycine max (L.) Merr. FABACEAE Soybean


PI 570659. Festuca arundinacea Schreber POACEAE Tall fescue


PI 570660. Festuca arundinacea Schreber  POACEAE  Tall fescue

**Donated by:** Seed Research of Oregon, Inc., United States. Received June 18, 1993.


PI 570661. Phaseolus vulgaris L.  FABACEAE  Common bean

**Donated by:** Park, S.J., Harrow Res. Sta.--Agriculture Canada, Harrow, Ontario NOR 1BO, Canada. remarks: HR45 Common Bean Germplasm. Received June 18, 1993.


PI 570662. Zea mays L. subsp. mays  POACEAE  Corn

**Donated by:** Pratt, R.C., Ohio Agr. Res. and Dev. Center, Ohio State University, Dept. of Agronomy, Wooster, Ohio 44691, United States; and Agricultural Research Service -- USDA. remarks: OhS3(C5) Maize Synthetic. Received June 18, 1993.
PI 570662-continued


PI 570663. Zea mays L. subsp. mays POACEAE Corn

Donated by: Pratt, R.C., Ohio Agr. Res. and Dev. Center, Ohio State University, Wooster, Ohio 44691, United States. remarks: See PI 573099. Received June 18, 1993.


PI 570664. Panicum maximum Jacq. POACEAE Guinea grass

Donated by: Hanna, W.W., Agricultural Research Service -- USDA, University of Georgia, Tifton, Georgia 31793, United States; and Georgia Coastal Plain Exp. Sta.. remarks: Tift SPM92 Panicum maximum Germplasm. Received June 18, 1993.
PI 570664-continued


PI 570665. Gossypium hirsutum L. MALVACEAE Cotton

Donated by: Jasso, A.H., CIANO-INIFAP-SARH, Yaqui Valley Experiment Station, Apartado Postal 515, Obregon, Sonora 85000, Mexico. remarks: CIANO Alamos-92 Cotton. Received June 18, 1993.


PI 570666. Gossypium hirsutum L. MALVACEAE Cotton

Donated by: Jasso, A.H., CIANO-INIFAP-SARH, Yaqui Valley Experiment Station, Apartado Postal 515, Obregon, Sonora 85000, Mexico. remarks: CIANO Cocorim-92 Cotton. Received June 18, 1993.
PI 570666-continued

**origin**: Mexico. **developed**: A. Hernandez Jasso, L. Perez Solis. **origin institute**: CIANO-INIFAP-SARH, Yaqui Valley Experiment Station, Apartado Postal 515, Obregon, Sonora 85000 Mexico. **cultivar**: CIANO COCORIM-92. **pedigree**: Stripper 61-28/Ca 1012. **other id**: CV-1012. **source**: Crop Sci. 34(2):536 1994. **group**: CSR-COTTON. **restricted**: CSR. **remarks**: Cluster-type cultivar with semipubescent stem with short internodes. Mature plants average 95cm in height. Leaves small and intermediate in pilosity. Flowers white-creamy, with some pubescence. Capsules have 4 or 5 locules. Bolls rounded in shape and average 5.9g seedcotton per boll. Seed index averages 11.4g. Early maturing that begins flowering about 75-78 d (670 heat units). Average fiber length of 2.70cm. Fiber strength is 582 MPa and micronaire averages 4.7 units. Spring Annual. Cultivar. Seed.

PI 570667. Gossypium hirsutum L. MALVACEAE Cotton

**Donated by**: Jasso, A.H., CIANO-INIFAP-SARH, Yaqui Valley Experiment Station, Apartado Postal 515, Obregon, Sonora 85000, Mexico. **remarks**: CIANO Tajimaroa-92 Cotton. Received June 18, 1993.

**origin**: Mexico. **developed**: A. Hernandez Jasso, L. Perez Solis. **origin institute**: CIANO-INIFAP-SARH, Yaqui Valley Experiment Station, Apartado Postal 515, Obregon, Sonora 85000 Mexico. **cultivar**: CIANO TAJIMAROA 92. **pedigree**: Single plant selection out of CIANO CUBACHI-86. **other id**: CV-106. **source**: Crop Sci. 34(2):535 1994. **group**: CSR-COTTON. **restricted**: CSR. **remarks**: Full-season cluster-type cultivar with almost smooth stem, short internodes. Mature plants average 110cm in height. Leaves small and intermediate in pilosity. Flowers white-creamy with some pubescence. Capsules have 4 or 5 locules. Bolls rounded and average 5.7g seedcotton per boll. Seed index averages 11.4g. Begins flowering about 80-82 d (760 heat units) after planting. Average fiber length of 2.70cm. Fiber strength is 582 MPa and micronaire averages 4.8 units. Spring Annual. Cultivar. Seed.

PI 570668. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by**: Torres, N.C., CIANO-INIFAP-SARH, Northwest Regional Research Center, Cd. Obregon, Sonora 85000, Mexico. **remarks**: Ciaric Soybean. Received June 18, 1993.
PI 570668-continued

origin: Mexico.  developed: N. Castillo T., L. Montoya
C..  origin institute: CIRNO-INIFAP-SARH, Northwest
Regional Research Center, Apartado Postal 515, Ciudad
Obregon, Sonora Mexico.  cultivar: CIARIC.  pedigree:
Suaqui'86 x ROSALES S'80.  other id: CV-314.  source:
restricted: CSR.  remarks: Maturity VI, begins flowering
about 53 d after planting and reaches physiological
maturity about 120 d. Mature plants average 80cm in
height. Flowers purple. Pubescence tawny. Seed yellow
with both black and gray hila. Seed weight averages
161mg. Seed protein concentration averages 21.5g kg-1.
Oil concentration averages 397 g kg-1.  Cultivar.  Seed.

PI 570669. Lotus corniculatus L. FABACEAE Broadleaf birdsfoot trefoil

Donated by: Beuselinck, P.R., Agricultural Research Service -- USDA,
Pl. Genetic Res. Unit, Univ. of Missouri, Columbia, Missouri 65010,
United States; and Missouri Agr. Exp. Sta..  remarks: CAD Birdsfoot
Trefoil Germplasm. Received June 18, 1993.

origin: United States.  developed: P.R. Beuselinck, J.J.
Steiner.  origin institute: Agricultural Research Service
-- USDA, Plant Genetics Research Unit, Univ. of Missouri,
Dept. of Agronomy, Columbia, Missouri 65211 United
States.  cultivar: CAD.  pedigree: C1 bulk of 100
selected genotypes from MU-81 germplasm. C2 was bulk of
58 selected genotypes from C1. CAD germplasm is bulk of
open-pollinated C2 plants.  other id: GP-123.  source:
restricted: CSR.  remarks: Drought-resistant population
developed from the broad based, and genetically diverse,
MU-81 germplasm. Clones selected also exhibited a low
incidence of root- and crown-rot diseases complex.

PI 570670. Lotus corniculatus L. FABACEAE Broadleaf birdsfoot trefoil

Donated by: Beuselinck, P.R., Agricultural Research Service -- USDA,
Pl. Genetic Res. Unit, Univ. of Missouri, Columbia, Missouri 65010,
United States; and Missouri Agr. Exp. Sta..  remarks: Dawn Birdsfoot
Trefoil. Received June 18, 1993.
PI 570670-continued

origin: United States. developed: P.R. Beuselinck.
origin institute: Agricultural Research Service -- USDA, Plant Genetics Research Unit, Univ. of Missouri, Dept. of Agronomy, Columbia, Missouri 65211 United States.
cultivar: DAWN. pedigree: Syn 1 was bulk of equal amounts of seed from intercrossing each of 4 parental clones. Syn 2 was bulk from 1000 Syn 1 plants grown in isolation at Columbia, MO. Syn 3 seed constitutes Dawn.
other id: CV-110. source: Crop Sci. 34(2):540 1994. group: CSR-OTHER LEGUMES. restricted: CSR. remarks: Similar to Empire. Semierect, late-maturing with small leaves and fine stems, slightly more erect, and contains a larger number of early-maturing plants than Empire. Distinguishable from Empire mainly in its greater longevity and greater resistance to root- & crown-rot in the Southern Corn Belt. The expression of these differences may be influenced by the environment (e.g. cutting treatment, soil factors, and seasonal factors). Similar to Empire in seed production characteristics, being later to flower than Norcen, Viking, and Fergus. Perennial. Cultivar. Seed.

PI 570671 to 570678. Lotus corniculatus L. FABACEAE Broadleaf birdsfoot trefoil


PI 570672
pedigree: C1 was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. LL2 is bulk of 100 selected genotypes from C1. other id: GP-116.

PI 570673
pedigree: C1 was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. LP2 is bulk of 100 selected genotypes from C1. other id: GP-117.

PI 570674
pedigree: C1 was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. HP2 is bulk of 100 selected genotypes from C1. other id: GP-118.
PI 570675  
origin: United States.  
developed: R.L. McGraw, P.R. Beuselinck.  
cultivar: HU2.  
pedigree: Cl was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. HU2 is bulk of 100 selected genotypes from Cl.  
other id: GP-119.  
group: CSR-OTHER LEGUMES.  
restricted: CSR.  

PI 570676  
origin: United States.  
developed: R.L. McGraw, P.R. Beuselinck.  
cultivar: LU2.  
pedigree: Cl was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. LU2 is bulk of 100 selected genotypes from Cl.  
other id: GP-120.  
group: CSR-OTHER LEGUMES.  
restricted: CSR.  

PI 570677  
origin: United States.  
developed: R.L. McGraw, P.R. Beuselinck.  
cultivar: HW2.  
pedigree: Cl was bulk of equal amounts of seed of 100 selected genotypes from NC-83 germplasm. HW2 is bulk of 100 selected genotypes from Cl.  
other id: GP-121.  
group: CSR-OTHER LEGUMES.  
restricted: CSR.  

PI 570679 to 570680. Zea mays L. subsp. mays POACEAE Corn


PI 570681 to 570826. Sorghum bicolor (L.) Moench  POACEAE

**Donated by:** Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

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PI 570695  origin: Sudan. origin institute id: IS 7060. cultivar: WAD YABIS. other id: SU 413. group: SU. other id: 159. Seed.
PI 570696  origin: Sudan. origin institute id: IS 2058. other id: SU 2345. group: SU. Seed.
PI 570697  origin: Sudan. origin institute id: IS 2059. other id: SU 2346. group: SU. Seed.
PI 570704  origin: Sudan. origin institute id: IS 948. cultivar: MAGA AGAASH. other id: SU 25. group: SU. other id: FC 4501. Seed.


PI 570710 origin: Sudan. origin institute id: IS 3079. cultivar: FETERITA WAD HUSEIN. other id: SU 121. group: SU. Seed.

PI 570711 origin: Sudan. origin institute id: IS 3461. cultivar: BARI. other id: SU 141. group: SU. other id: 598. locality: Tozi. Seed.

PI 570712 origin: Sudan. origin institute id: IS 7007. cultivar: EL SAFRA. other id: SU 367. group: SU. other id: 428. Seed.


PI 570718 origin: Sudan. origin institute id: IS 6896. cultivar: MERESA. other id: SU 270. group: SU. other id: 15. Seed.

PI 570719 origin: Sudan. origin institute id: IS 3071. cultivar: DOBBS. other id: SU 115. group: SU. Seed.


PI 570722 origin: Sudan. origin institute id: IS 6944. cultivar: ABU DIGAIS. other id: SU 311. group: SU. other id: AD 30. Seed.

PI 570723 origin: Sudan. origin institute id: IS 7016. cultivar: ADDAR HERISUTE. other id: SU 376. group: SU. other id: 458. Seed.

PI 570724 origin: Sudan. origin institute id: IS 940. cultivar: GULUM AHMER. other id: SU 18. group: SU. other id: FC 4558. Seed.

PI 570725 origin: Sudan. origin institute id: IS 2554. other id: SU 2435. group: SU. Seed.


PI 570733 origin: Sudan. origin institute id: IS 930. cultivar: FETERITA FULLI DUEIM. other id: SU 11. group: SU. other id: FC 4612. Seed.


PI 570736  origin: Sudan.  origin institute id: IS 3077.  cultivar: FETERITA 1931.  other id: SU 120.  group: SU.  Seed.


PI 570740  origin: Sudan.  origin institute id: IS 6907.  cultivar: BASSA.  other id: SU 280.  group: SU.  other id: 87.  Seed.

PI 570741  origin: Sudan.  origin institute id: IS 6908.  cultivar: BAHANA 2.  other id: SU 281.  group: SU.  other id: 96.  Seed.


PI 570745  origin: Sudan.  origin institute id: IS 6912.  cultivar: NGIN KILI.  other id: SU 284.  group: SU.  other id: 112.  Seed.

PI 570746  origin: Sudan.  origin institute id: IS 6916.  cultivar: CHALLA SODA.  other id: SU 287.  group: SU.  other id: 134.  Seed.
PI 570747  origin: Sudan. origin institute id: IS 3556. cultivar: THOK BROWN. other id: SU 221. group: SU. other id: 634. locality: Tozi. Seed.

PI 570748  origin: Sudan. origin institute id: IS 3534. cultivar: MUGBASH WHITE. other id: SU 204. group: SU. other id: 368. locality: Tozi. Seed.

PI 570749  origin: Sudan. origin institute id: IS 6930. cultivar: BAZAI 2. other id: SU 298. group: SU. other id: 165. Seed.

PI 570750  origin: Sudan. origin institute id: IS 6948. cultivar: BEIN. other id: SU 315. group: SU. other id: 205. Seed.

PI 570751  origin: Sudan. origin institute id: IS 3509. cultivar: KIRENIGA. other id: SU 183. group: SU. Seed.

PI 570752  origin: Sudan. origin institute id: IS 6960. cultivar: NAGAD WHITE. other id: SU 326. group: SU. other id: 249. Seed.


PI 570754  origin: Sudan. origin institute id: IS 6965. cultivar: SHIDAKHIA. other id: SU 330. group: SU. other id: 258. Seed.

PI 570755  origin: Sudan. origin institute id: IS 3448. cultivar: ALUET. other id: SU 129. group: SU. other id: 111. locality: Tozi. Seed.

PI 570756  origin: Sudan. origin institute id: IS 7013. cultivar: BORI LIGHT BROWN. other id: SU 373. group: SU. other id: 450. Seed.

PI 570757  origin: Sudan. origin institute id: IS 7056. cultivar: KARUNDE RED. other id: SU 409. group: SU. Seed.

PI 570758  origin: Sudan. origin institute id: IS 3070. cultivar: HEMAIISI. other id: SU 114. group: SU. Seed.

PI 570759  origin: Sudan. origin institute id: IS 7073. cultivar: SBI 100. other id: SU 424. group: SU. other id: 405. Seed.

PI 570761  origin: Sudan. origin institute id: IS 7080. cultivar: UT 69. other id: SU 431. group: SU. other id: 166. Seed.

PI 570762  origin: Sudan. origin institute id: IS 7082. cultivar: FETERITA MARATUK. other id: SU 433. group: SU. other id: 298. Seed.


PI 570772  origin: Sudan. origin institute id: IS 2036. other id: SU 2323. group: SU. Seed.

PI 570773  origin: Sudan. origin institute id: IS 2558. other id: SU 2439. group: SU. Seed.

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**origin:** Sudan. **origin institute id:** IS 3441. **cultivar:** ABU KUDUR. **other id:** SU 124. **group:** SU. **other id:** 358. **locality:** Tozi. **Seed.**

PI 570788  
**origin:** Sudan. **origin institute id:** IS 6942. **cultivar:** NAGAD BLUS. **other id:** SU 309. **group:** SU. **other id:** 186. **Seed.**

PI 570789  
**origin:** Sudan. **origin institute id:** IS 6954. **cultivar:** WAD ARI 12. **other id:** SU 230. **group:** SU. **other id:** 234. **Seed.**

PI 570790  
**origin:** Sudan. **origin institute id:** IS 3557. **cultivar:** THOK GRAY. **other id:** SU 222. **group:** SU. **other id:** 272. **locality:** Tozi. **Seed.**

PI 570791  
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PI 570792  
**origin:** Sudan. **origin institute id:** IS 6979. **cultivar:** FETERITA DWARF 6603. **other id:** SU 342. **group:** SU. **other id:** 295. **Seed.**

PI 570793  
**origin:** Sudan. **origin institute id:** IS 6980. **cultivar:** FETERITA GEZIRA. **other id:** SU 343. **group:** SU. **other id:** 297. **Seed.**

PI 570794  
**origin:** Sudan. **origin institute id:** IS 6985. **cultivar:** DS 5. **other id:** SU 348. **group:** SU. **other id:** 314. **Seed.**

PI 570795  
**origin:** Sudan. **origin institute id:** IS 6986. **cultivar:** DS 13. **other id:** SU 349. **group:** SU. **other id:** 317. **Seed.**

PI 570796  
**origin:** Sudan. **origin institute id:** IS 6989. **cultivar:** AJOK SWEET. **other id:** SU 351. **group:** SU. **other id:** 332. **Seed.**

PI 570797  
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PI 570798  
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PI 570799  
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PI 570800  origin: Sudan. origin institute id: IS 3482. cultivar: EARLY BIRGHALLI AMBER. other id: SU 160. group: SU. other id: 140. locality: Tozi. Seed.


PI 570803  origin: Sudan. origin institute id: IS 7022. cultivar: FARHODA. other id: SU 380. group: SU. other id: 479. Seed.

PI 570804  origin: Sudan. origin institute id: IS 7023. cultivar: WAD FAHAL. other id: SU 381. group: SU. other id: 480. Seed.

PI 570805  origin: Sudan. origin institute id: IS 7029. cultivar: FETERITA MAATUK. other id: SU 386. group: SU. other id: 4864865/30/58/10. Seed.

PI 570806  origin: Sudan. origin institute id: IS 7032. cultivar: FETERITA WADUMM BENEIN. other id: SU 389. group: SU. other id: 50089/9/7. Seed.


PI 570808  origin: Sudan. origin institute id: IS 7037. other id: SU 393. group: SU. other id: 51525/7. Seed.


PI 570810  origin: Sudan. origin institute id: IS 7040. cultivar: WAD YABIS. other id: SU 396. group: SU. other id: 519. Seed.


PI 570813  origin: Sudan. origin institute id: IS 7044.  
cultivar: DWARF SHALLU. other id: SU 400. group: SU. other id: 
PB 9. Seed.

PI 570814  origin: Sudan. origin institute id: IS 7047.  
cultivar: MUBGASH. other id: SU 402. group: SU. other id: OTB 6. 
Seed.

PI 570815  origin: Sudan. origin institute id: IS 7050.  
cultivar: WAD AKR. other id: SU 404. group: SU. other id: OTB 
21. Seed.

PI 570816  origin: Sudan. origin institute id: IS 7051.  
cultivar: MUGBASH. other id: SU 405. group: SU. other id: OTLR 

PI 570817  origin: Sudan. origin institute id: IS 7052.  
cultivar: BAHANA. other id: SU 406. group: SU. other id: OTLR 
143. Seed.

PI 570818  origin: Sudan. origin institute id: IS 7059.  
cultivar: FETERITA NIDIARA. other id: SU 412. group: SU. other id: 
287. Seed.

PI 570819  origin: Sudan. origin institute id: IS 7061.  
cultivar: TUMUK SHADDO. other id: SU 414. group: SU. other id: 
366. Seed.

PI 570820  origin: Sudan. origin institute id: IS 3481.  
cultivar: DWARF GASSABI. other id: SU 159. group: SU. other id: 
455. locality: Tozi. Seed.

PI 570821  origin: Sudan. origin institute id: IS 7067.  
cultivar: ZERA ZERA 3. other id: SU 418. group: SU. Seed.

PI 570822  origin: Sudan. origin institute id: IS 7068.  
cultivar: UMM DAYUD. other id: SU 419. group: SU. other id: 273. 
Seed.

PI 570823  origin: Sudan. origin institute id: IS 7071.  
cultivar: BAHANA. other id: SU 422. group: SU. other id: 98. 
Seed.

PI 570824  origin: Sudan. origin institute id: IS 7075.  
cultivar: CHALLA SULA. other id: SU 426. group: SU. other id: 
134. Seed.

PI 570825  origin: Sudan. origin institute id: IS 7078.  
cultivar: SBI 22. other id: SU 429. group: SU. other id: 91. 
Seed.
PI 570681 to 570826-continued

PI 570826  
**origin**: Sudan. **origin institute id**: IS 7081. **cultivar**: LIPUSA. **other id**: SU 432. **group**: SU. **other id**: 397. Seed.

PI 570827 to 570895. **Sorghum bicolor** (L.) Moench **POACEAE**

**Donated by**: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

PI 570827  
**origin**: Sudan. **origin institute id**: IS 7000. **cultivar**: RABOU. **other id**: SU 361. **group**: SU. **other id**: 403. Seed.

PI 570828  
**origin**: Sudan. **origin institute id**: IS 3069. **cultivar**: DWARP WHITE MILO. **other id**: SU 113. **group**: SU. Seed.

PI 570829  
**origin**: Sudan. **origin institute id**: IS 3074. **cultivar**: ABU SABIN. **other id**: SU 118. **group**: SU. Seed.

PI 570830  
**origin**: Sudan. **origin institute id**: IS 3076. **cultivar**: AKLMOI WHITE. **other id**: SU 119. **group**: SU. Seed.

PI 570831  
**origin**: Sudan. **origin institute id**: IS 3469. **cultivar**: CULUM ASWAD. **other id**: SU 148. **group**: SU. **other id**: 647. **locality**: Tozi. Seed.

PI 570832  
**origin**: Sudan. **origin institute id**: IS 3471. **cultivar**: CULUM LOOMAN. **other id**: SU 150. **group**: SU. **other id**: 141. **locality**: Tozi. Seed.

PI 570833  
**origin**: Sudan. **origin institute id**: IS 3476. **cultivar**: DS 2 FETERITA FAYOUMI. **other id**: SU 155. **group**: SU. **other id**: 426. **locality**: Tozi. Seed.

PI 570834  
**origin**: Sudan. **origin institute id**: IS 3479. **cultivar**: DS 7 FETERITA FAYOUMI. **other id**: SU 157. **group**: SU. **other id**: 433. **locality**: Tozi. Seed.

PI 570835  
**origin**: Sudan. **origin institute id**: IS 3483. **cultivar**: ELA FADNI. **other id**: SU 161. **group**: SU. **other id**: 359. **locality**: Tozi. Seed.

PI 570836  
**origin**: Sudan. **origin institute id**: IS 3488. **cultivar**: FETERITA GANDAL. **other id**: SU 165. **group**: SU. **other id**: 437. **locality**: Tozi. Seed.

PI 570837  
**origin**: Sudan. **origin institute id**: IS 3490. **cultivar**: FETERITA MANAGIL. **other id**: SU 167. **group**: SU. **other id**: 429. **locality**: Tozi. Seed.


PI 570849  origin: Sudan. origin institute id: IS 3563. cultivar: WAD AKR. other id: SU 228. group: SU. other id: 327. locality: Tozi. Seed.

PI 570851  
**origin**: Sudan.  **origin institute id**: IS 3578.  **cultivar**: SAFRA.  **other id**: SU 241.  **group**: SU.  **other id**: 47.  **locality**: Tozi.  **Seed**.

PI 570852  
**origin**: Sudan.  **origin institute id**: IS 3581.  **cultivar**: WAD FUR.  **other id**: SU 243.  **group**: SU.  **other id**: 32.  **locality**: Tozi.  **Seed**.

PI 570853  
**origin**: Sudan.  **origin institute id**: IS 3584.  **cultivar**: ACCA KODRI.  **other id**: SU 246.  **group**: SU.  **other id**: 30.  **locality**: Tozi.  **Seed**.

PI 570854  
**origin**: Sudan.  **origin institute id**: IS 3586.  **cultivar**: BARBARI ORANGE.  **other id**: SU 247.  **group**: SU.  **other id**: 27.  **locality**: Tozi.  **Seed**.

PI 570855  
**origin**: Sudan.  **origin institute id**: IS 3587.  **cultivar**: CULUM.  **other id**: SU 248.  **group**: SU.  **other id**: 23.  **locality**: Tozi.  **Seed**.

PI 570856  
**origin**: Sudan.  **origin institute id**: IS 3595.  **cultivar**: HAMAISI.  **other id**: SU 253.  **group**: SU.  **other id**: 34.  **locality**: Tozi.  **Seed**.

PI 570857  
**origin**: Sudan.  **origin institute id**: IS 3596.  **cultivar**: HAMAISI SHERHER.  **other id**: SU 254.  **group**: SU.  **other id**: 35.  **locality**: Tozi.  **Seed**.

PI 570858  
**origin**: Sudan.  **origin institute id**: IS 3598.  **cultivar**: HAMAISI.  **other id**: SU 256.  **group**: SU.  **other id**: 38.  **locality**: Tozi.  **Seed**.

PI 570859  
**origin**: Sudan.  **origin institute id**: IS 3603.  **other id**: SU 259.  **group**: SU.  **other id**: 206.  **locality**: Tozi.  **Seed**.

PI 570860  
**origin**: Sudan.  **origin institute id**: IS 3604.  **other id**: SU 260.  **group**: SU.  **other id**: 529.  **locality**: Tozi.  **Seed**.

PI 570861  
**origin**: Sudan.  **origin institute id**: IS 3605.  **other id**: SU 261.  **group**: SU.  **other id**: 579.  **locality**: Tozi.  **Seed**.

PI 570862  
**origin**: Sudan.  **origin institute id**: IS 3744.  **cultivar**: LUAL.  **other id**: SU 262.  **group**: SU.  **other id**: 162.  **locality**: Tozi.  **Seed**.

PI 570863  
**origin**: Sudan.  **origin institute id**: IS 4012.  **source history**: India.  **cultivar**: REVASON.  **other id**: SU 2401.  **group**: SU.  **locality**: Rohtak.  **Seed**.

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PI 570864  origin: Sudan. origin institute id: IS 4018. source history: India. cultivar: CHAONDERA. other id: SU 2416. group: SU. locality: Jaipur. Seed.

PI 570865  origin: Sudan. origin institute id: IS 4020. source history: India. cultivar: WHITE CHAONDERA. other id: SU 2417. group: SU. locality: Jaipur. Seed.

PI 570866  origin: Sudan. origin institute id: IS 4034. source history: India. cultivar: PALU. other id: SU 2419. group: SU. locality: Jaipur. Seed.


PI 570870  origin: Sudan. origin institute id: IS 4078. source history: India. cultivar: SURWAL. other id: SU 2408. group: SU. locality: Sawai. Seed.

PI 570871  origin: Sudan. origin institute id: IS 4079. source history: India. cultivar: SURWAL. other id: SU 2405. group: SU. locality: Sawai. Seed.


PI 570874  origin: Sudan. origin institute id: IS 4136. source history: India. cultivar: ALMIKHAM. other id: SU 2391. group: SU. locality: Dhillwara. Seed.

PI 570875  origin: Sudan. origin institute id: IS 4137. source history: India. cultivar: TARWARIA. other id: SU 2392. group: SU. locality: Dhillwara. Seed.

PI 570876  origin: Sudan. origin institute id: IS 6904. cultivar: CADAM EL HAMAN. other id: SU 278. group: SU. other id: 68. Seed.
PI 570877  
origin: Sudan.  
origin institute id: IS 6936.  
cultivar: WAD AKR 9.  
other id: SU 303.  
group: SU.  
other id: 174.  
Seed.

PI 570878  
origin: Sudan.  
origin institute id: IS 6984.  
cultivar: FETERITA FULLI 3.  
other id: SU 347.  
group: SU.  
other id: 309.  
Seed.

PI 570879  
origin: Sudan.  
origin institute id: IS 6993.  
cultivar: TURUK SHADDO 2.  
other id: SU 355.  
group: SU.  
other id: 367.  
Seed.

PI 570880  
origin: Sudan.  
origin institute id: IS 6994.  
cultivar: SHALSHALI WHITE.  
other id: SU 356.  
group: SU.  
other id: 371.  
Seed.

PI 570881  
origin: Sudan.  
origin institute id: IS 6997.  
cultivar: HEGARI 3.  
other id: SU 358.  
group: SU.  
other id: 399.  
Seed.

PI 570882  
origin: Sudan.  
origin institute id: IS 7002.  
cultivar: MATHIANANG AMYITH.  
other id: SU 363.  
group: SU.  
other id: 363.  
Seed.

PI 570883  
origin: Sudan.  
origin institute id: IS 7004.  
cultivar: TILLING.  
other id: SU 365.  
group: SU.  
other id: 416.  
Seed.

PI 570884  
origin: Sudan.  
origin institute id: IS 7012.  
cultivar: DORI DARK BROWN.  
other id: SU 372.  
group: SU.  
other id: 444.  
Seed.

PI 570885  
origin: Sudan.  
origin institute id: IS 7015.  
cultivar: BLIG SPECKLED.  
other id: SU 375.  
group: SU.  
other id: 454.  
Seed.

PI 570886  
origin: Sudan.  
origin institute id: IS 7028.  
cultivar: FETERITA MAATUK.  
other id: SU 385.  
group: SU.  
other id: 4855/30/54/3.  
Seed.

PI 570887  
origin: Sudan.  
origin institute id: IS 7034.  
cultivar: FETERITA WADUMM BENEIN.  
other id: SU 390.  
group: SU.  
other id: 50823/12/2.  
Seed.

PI 570888  
origin: Sudan.  
origin institute id: IS 7069.  
cultivar: ABUGHEBUSH.  
other id: SU 420.  
group: SU.  
other id: 363.  
Seed.

PI 570889  
origin: Sudan.  
origin institute id: IS 7074.  
cultivar: ADDAR VI.  
other id: SU 425.  
group: SU.  
other id: 440.  
Seed.
PI 570890 origin: Sudan. origin institute id: IS 8635. other id: SU 437. group: SU. other id: E 88. Seed.

PI 570891 origin: Sudan. origin institute id: IS 9209. other id: SU 449. group: SU. other id: E 1136. Seed.

PI 570892 origin: Sudan. origin institute id: IS 9210. other id: SU 450. group: SU. other id: E 1137. Seed.

PI 570893 origin: Sudan. origin institute id: IS 9228. cultivar: TOGI 81. other id: SU 452. group: SU. other id: E 1155. Seed.


PI 570901 origin: Sudan. origin institute id: IS 6906. cultivar: MAKOL 81. other id: SU 279. group: SU. Seed.


PI 570906  origin: Sudan. origin institute id: IS 3065. cultivar: GASSABI. other id: SU 110. group: SU. Seed.


PI 570909  origin: Sudan. origin institute id: IS 7036. cultivar: BAHANA. other id: SU 392. group: SU. other id: 5132/7. Seed.

PI 570910  origin: Sudan. origin institute id: IS 7058. cultivar: FETERITA DWARF. other id: SU 411. group: SU. other id: 311. Seed.

PI 570911  origin: Sudan. origin institute id: IS 6941. cultivar: KORGI. other id: SU 308. group: SU. other id: 185. Seed.

PI 570912  origin: Sudan. origin institute id: IS 6964. cultivar: TIRTER. other id: SU 329. group: SU. other id: 255. Seed.

PI 570913  origin: Sudan. origin institute id: IS 2031. other id: SU 2317. group: SU. Seed.

PI 570896 to 570915-continued

PI 570915 origin: Sudan. origin institute id: IS 7008. cultivar: CELUM LOGAON. other id: SU 368. group: SU. other id: 431. Seed.

PI 570916 to 570919. Sorghum bicolor (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.


PI 570919 origin: Sudan. origin institute id: IS 14473. other id: SU 863. group: SU. other id: HD-118. Seed.

PI 570920 to 571035. Sorghum bicolor (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

PI 570920 origin: Sudan. origin institute id: IS 927. cultivar: LUNG BASH. other id: SU 8. group: SU. other id: FC 4744. Seed.

PI 570921 origin: Sudan. origin institute id: IS 937. cultivar: HEGIRI SEIFI. other id: SU 15. group: SU. other id: FC 4651. Seed.

PI 570922 origin: Sudan. origin institute id: IS 2017. other id: SU 2301. group: SU. Seed.

PI 570923 origin: Sudan. origin institute id: IS 2034. other id: SU 2321. group: SU. Seed.

PI 570924 origin: Sudan. origin institute id: IS 2035. other id: SU 2322. group: SU. Seed.

PI 570925 origin: Sudan. origin institute id: IS 2038. other id: SU 2325. group: SU. Seed.

PI 570926 origin: Sudan. origin institute id: IS 3460. cultivar: BANGITABA. other id: SU 140. group: SU. other id: 120. locality: Tozi. Seed.


PI 570929 origin: Sudan. origin institute id: IS 6990. cultivar: FETERITA ABIAD. other id: SU 352. group: SU. other id: 344. Seed.

PI 570930 origin: Sudan. origin institute id: IS 3502. cultivar: JANGI. other id: SU 178. group: SU. Seed.


PI 570933 origin: Sudan. origin institute id: IS 931. cultivar: SHEL SHELBRY WHITE. other id: SU 12. group: SU. other id: FC 4619. Seed.

PI 570934 origin: Sudan. origin institute id: IS 957. cultivar: MAGA ABIAD. other id: SU 34. group: SU. other id: FC 4546. Seed.


PI 570936 origin: Sudan. origin institute id: IS 6946. cultivar: KORIARIGA. other id: SU 313. group: SU. other id: 193. Seed.


PI 570938 origin: Sudan. origin institute id: IS 3540. cultivar: NYAN JANG. other id: SU 209. group: SU. Seed.

PI 570939 origin: Sudan. origin institute id: IS 3073. cultivar: WHITE AKAR AHMR. other id: SU 117. group: SU. Seed.


PI 570944 origin: Sudan. origin institute id: IS 3067. cultivar: DWARF HEGARI. other id: SU 112. group: SU. Seed.


PI 570946 origin: Sudan. origin institute id: IS 2032. other id: SU 2318. group: SU. Seed.

PI 570947 origin: Sudan. origin institute id: IS 2047. other id: SU 2334. group: SU. Seed.

PI 570948 origin: Sudan. origin institute id: IS 2057. other id: SU 2344. group: SU. Seed.


PI 570951 origin: Sudan. origin institute id: IS 6918. cultivar: DENT. other id: SU 289. group: SU. other id: 139. Seed.

PI 570952 origin: Sudan. origin institute id: IS 6926. cultivar: WAD BASHIR I. other id: SU 296. group: SU. other id: 159. Seed.


| PI 570955 | origin: Sudan. origin institute id: IS 6957. cultivar: WAD UMM BENEIN. other id: SU 323. group: SU. other id: 240. Seed. |
| PI 570956 | origin: Sudan. origin institute id: IS 6959. cultivar: GHOBASHA. other id: SU 325. group: SU. other id: 245. Seed. |
| PI 570958 | origin: Sudan. origin institute id: IS 6974. cultivar: FETERITA GONDAL 2. other id: SU 337. group: SU. other id: 280. Seed. |
| PI 570961 | origin: Sudan. origin institute id: IS 7026. cultivar: FETERITA MAATUK. other id: SU 383. group: SU. other id: 4825/30/26/1. Seed. |
| PI 570963 | origin: Sudan. origin institute id: IS 7031. cultivar: FETERITA WADUMM BENEIN. other id: SU 388. group: SU. other id: 499. Seed. |
| PI 570964 | origin: Sudan. origin institute id: IS 7039. cultivar: WAD YABIS. other id: SU 395. group: SU. other id: 518. Seed. |
| PI 570965 | origin: Sudan. origin institute id: IS 7042. cultivar: PBI BAHANA. other id: SU 398. group: SU. other id: 521. Seed. |
| PI 570966 | origin: Sudan. origin institute id: IS 7046. cultivar: AD BASHIR. other id: SU 401. group: SU. other id: OTB 3. Seed. |


PI 570975 origin: Sudan. origin institute id: IS 6902. cultivar: LWEL FADIENG. other id: SU 276. group: SU. other id: 64. Seed.


PI 570977 origin: Sudan. origin institute id: IS 6943. cultivar: MAGBUGU FJULI. other id: SU 310. group: SU. other id: 188.


PI 570979 origin: Sudan. origin institute id: IS 6969. cultivar: FETERITA HARIG II. other id: SU 334. group: SU. other id: 264. Seed.

PI 570980 origin: Sudan. origin institute id: IS 6983. cultivar: FETERITA SUKI II. other id: SU 346. group: SU. other id: 305. Seed.
PI 570984  origin: Sudan.  origin institute id: IS 956.  cultivar: TARRANO.  other id: SU 33.  group: SU.  other id: FC 4544.  Seed.
PI 570985  origin: Sudan.  origin institute id: IS 3439.  cultivar: ABONGBOO.  other id: SU 123.  group: SU.  Seed.
PI 570987  origin: Sudan.  origin institute id: IS 6921.  cultivar: DINDERAWI I.  other id: SU 291.  group: SU.  other id: 143.  Seed.
PI 570990  origin: Sudan.  origin institute id: IS 6967.  cultivar: KOIJAJ.  other id: SU 332.  group: SU.  other id: 262.  Seed.
PI 570991  origin: Sudan.  origin institute id: IS 6968.  cultivar: MONSHAL.  other id: SU 333.  group: SU.  other id: 263.  Seed.


PI 570996  origin: Sudan. cultivar: MERASI. other id: IS 6947. group: IS. other id: SU 314. group: SU. other id: 196. Seed.

PI 570997  origin: Sudan. origin institute id: IS 6956. cultivar: HEGARI 2. other id: SU 322. group: SU. other id: 239. Seed.


PI 571000  origin: Sudan. origin institute id: IS 6991. cultivar: TARAMA. other id: SU 353. group: SU. other id: 360. Seed.


PI 571004  origin: Sudan. origin institute id: IS 3072. cultivar: DEBEKRI. other id: SU 116. group: SU. Seed.

PI 571005  origin: Sudan. origin institute id: IS 6971. cultivar: FETERITA GASHESH. other id: SU 335. group: SU. other id: 275. Seed.

PI 571006  origin: Sudan. origin institute id: IS 7079. cultivar: SBI 147. other id: SU 430. group: SU. other id: 190. Seed.
PI 571007  origin: Sudan.  origin institute id: IS 2551.  other id: SU 2432.  group: SU.  Seed.

PI 571008  origin: Sudan.  origin institute id: IS 3582.  cultivar: ZANABLL FARAS.  other id: SU 244.  group: SU.  other id: 10.  locality: Tozi.  Seed.

PI 571009  origin: Sudan.  origin institute id: IS 4138.  source history: India.  cultivar: TARWARIA.  other id: SU 2393.  group: SU.  locality: Dhilwara.  Seed.

PI 571010  origin: Sudan.  origin institute id: IS 6072.  source history: India.  cultivar: JOWAR CHIRGAON.  other id: SU 2456.  group: SU.  locality: Jhansi.  Seed.


PI 571012  origin: Sudan.  origin institute id: IS 923.  cultivar: AWANLEK.  other id: SU 5.  group: SU.  other id: FC 4701.  Seed.

PI 571013  origin: Sudan.  origin institute id: IS 2061.  other id: SU 2348.  group: SU.  Seed.

PI 571014  origin: Sudan.  origin institute id: IS 3080.  cultivar: SAFRA.  other id: SU 122.  group: SU.  Seed.

PI 571015  origin: Sudan.  origin institute id: IS 4033.  source history: India.  cultivar: PALU RED.  other id: SU 2418.  group: SU.  locality: Jaipur.  Seed.

PI 571016  origin: Sudan.  origin institute id: IS 4035.  source history: India.  cultivar: MALIRON.  other id: SU 2420.  group: SU.  locality: Jaipur.  Seed.

PI 571017  origin: Sudan.  origin institute id: IS 4132.  source history: India.  cultivar: PATHWARA.  other id: SU 2387.  group: SU.  locality: Chittoragarh.  Seed.

PI 571018  origin: Sudan.  origin institute id: IS 4140.  source history: India.  cultivar: GUDHA.  other id: SU 2395.  group: SU.  locality: Rajasthan.  Seed.


PI 571020  origin: Sudan.  origin institute id: IS 6899.  cultivar: FETERITA ABU DIREIERA.  other id: SU 273.  group: SU.  Seed.
<table>
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<tr>
<th>PI 570920 to 571035-continued</th>
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<tr>
<td><strong>PI 571021</strong> origin: Sudan. origin institute id: IS 2076. other id: SU 2363. group: SU. Seed.</td>
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<td><strong>PI 571022</strong> origin: Sudan. origin institute id: IS 6895. cultivar: COLUM 2. other id: SU 269. group: SU. other id: 13. Seed.</td>
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<td><strong>PI 571023</strong> origin: Sudan. origin institute id: IS 935. cultivar: KLTO. other id: SU 13. group: SU. other id: FC 4644. Seed.</td>
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<td><strong>PI 571025</strong> origin: Sudan. origin institute id: IS 8689. cultivar: FEKI MUSTAKHI. other id: SU 440. group: SU. other id: E 143. Seed.</td>
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<td><strong>PI 571026</strong> origin: Sudan. origin institute id: IS 8701. cultivar: SHALLU. other id: SU 443. group: SU. other id: E 155. Seed.</td>
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<td><strong>PI 571027</strong> origin: Sudan. origin institute id: IS 8702. other id: SU 444. group: SU. other id: E 156. Seed.</td>
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<td><strong>PI 571029</strong> origin: Sudan. origin institute id: IS 8693. other id: SU 441. group: SU. other id: E 147. Seed.</td>
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<td><strong>PI 571031</strong> origin: Sudan. origin institute id: IS 8685. cultivar: KORGI. other id: SU 438. group: SU. other id: E 139. Seed.</td>
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<td><strong>PI 571032</strong> origin: Sudan. origin institute id: IS 8688. cultivar: WAD EAHL. other id: SU 439. group: SU. other id: E 142. Seed.</td>
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<td><strong>PI 571033</strong> origin: Sudan. origin institute id: IS 8797. other id: SU 447. group: SU. other id: E 290. Seed.</td>
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<td><strong>PI 571034</strong> origin: Sudan. origin institute id: IS 8700. cultivar: SHALLU UGANDA. other id: SU 442. group: SU. other id: E 154. Seed.</td>
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PI 570920 to 571035-continued

PI 571035  origin: Sudan.  origin institute id: IS 2051.  other id: SU 2338.  group: SU.  Seed.

PI 571036 to 571355.  Sorghum bicolor (L.) Moench  POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico.  Received June 23, 1993.

PI 571036  origin: Sudan.  origin institute id: IS 9274.  cultivar: TOGI 224.  other id: SU 456.  group: SU.  Seed.


PI 571044  origin: Sudan.  origin institute id: IS 9614.  cultivar: JOWAR 8.  other id: SU 469.  group: SU.  locality: Gezira Research Station.  Seed.


PI 571046  origin: Sudan.  origin institute id: IS 9616.  cultivar: MARTIN 40.  other id: SU 471.  group: SU.  locality: Gezira Research Station.  Seed.
PI 571047  origin: Sudan.  origin institute id: IS 9617.  cultivar: KAFIR COMBINE.  other id: SU 472.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571048  origin: Sudan.  origin institute id: IS 9618.  cultivar: CAPRICORN.  other id: SU 473.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571049  origin: Sudan.  origin institute id: IS 9619.  cultivar: COMBINE KAFIR TS.  other id: SU 474.  group: SU.  locality: Gezira Research Station.  Seed.


PI 571051  origin: Sudan.  origin institute id: IS 9621.  cultivar: HOAKDORN.  other id: SU 476.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571052  origin: Sudan.  origin institute id: IS 9622.  cultivar: POTACH 5.  other id: SU 477.  group: SU.  locality: Gezira Research Station.  Seed.


PI 571055  origin: Sudan.  origin institute id: IS 9625.  cultivar: KPM 5-7104.  other id: SU 480.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571056  origin: Sudan.  origin institute id: IS 9626.  cultivar: KALO K 1.  other id: SU 481.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571057  origin: Sudan.  origin institute id: IS 9627.  cultivar: COMBINE KAFIR.  other id: SU 482.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571058  origin: Sudan.  origin institute id: IS 9628.  cultivar: CAPROCK.  other id: SU 483.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571059  origin: Sudan.  origin institute id: IS 9629.  cultivar: 75 A.  other id: SU 484.  group: SU.  locality: Gezira Research Station.  Seed.
PI 571060  
origin: Sudan.  
origin institute id: IS 9630.  
cultivar: MILO MARTIN.  
other id: SU 485.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571061  
origin: Sudan.  
origin institute id: IS 9632.  
cultivar: RB 66 TS/387.  
other id: SU 486.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571062  
origin: Sudan.  
origin institute id: IS 9633.  
cultivar: MARTIN MILO.  
other id: SU 487.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571063  
origin: Sudan.  
origin institute id: IS 9634.  
cultivar: PLAINSMAN.  
other id: SU 488.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571064  
origin: Sudan.  
origin institute id: IS 9635.  
cultivar: 145.  
other id: SU 489.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571065  
origin: Sudan.  
origin institute id: IS 9636.  
cultivar: KANO.  
other id: SU 490.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571066  
origin: Sudan.  
origin institute id: IS 9637.  
cultivar: KAWANDA T27.  
other id: SU 491.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571067  
origin: Sudan.  
origin institute id: IS 9638.  
cultivar: KAWANDA L53.  
other id: SU 492.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571068  
origin: Sudan.  
origin institute id: IS 9639.  
cultivar: KAWANDA L31.  
other id: SU 493.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571069  
origin: Sudan.  
origin institute id: IS 9641.  
cultivar: BAGDER.  
other id: SU 494.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571070  
origin: Sudan.  
origin institute id: IS 9642.  
cultivar: BIRD BILL.  
other id: SU 495.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571071  
origin: Sudan.  
origin institute id: IS 9643.  
cultivar: KALO.  
other id: SU 496.  
group: SU.  
locality: Gezira Research Station.  
Seed.

PI 571072  
origin: Sudan.  
origin institute id: IS 9644.  
cultivar: CC DURRA.  
other id: SU 497.  
group: SU.  
locality: Gezira Research Station.  
Seed.

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PI 571073  origin: Sudan. origin institute id: IS 9645. cultivar: MSAMBIJI. other id: SU 498. group: SU. locality: Gezira Research Station. Seed.

PI 571074  origin: Sudan. origin institute id: IS 9646. cultivar: COLEMAN. other id: SU 499. group: SU. locality: Gezira Research Station. Seed.


PI 571078  origin: Sudan. origin institute id: IS 9651. cultivar: CD HYBRID. other id: SU 504. group: SU. locality: Gezira Research Station. Seed.

PI 571079  origin: Sudan. origin institute id: IS 9652. cultivar: EY MILO. other id: SU 505. group: SU. locality: Gezira Research Station. Seed.

PI 571080  origin: Sudan. origin institute id: IS 9653. other id: SU 506. group: SU. locality: Gezira Research Station. Seed.

PI 571081  origin: Sudan. origin institute id: IS 9654. cultivar: CODY. other id: SU 507. group: SU. locality: Gezira Research Station. Seed.

PI 571082  origin: Sudan. origin institute id: IS 9655. cultivar: GHALLA SODA. other id: SU 508. group: SU. locality: Gezira Research Station. Seed.

PI 571083  origin: Sudan. origin institute id: IS 9656. cultivar: DURRA EL JACK. other id: SU 509. group: SU. locality: Gezira Research Station. Seed.


PI 571085  origin: Sudan. origin institute id: IS 9659. cultivar: NAGAD RUBARI. other id: SU 511. group: SU. locality: Gezira Research Station. Seed.
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PI 571087  
**origin**: Sudan.  **origin institute id**: IS 9661.  **cultivar**: MOSAR.  **other id**: SU 513.  **group**: SU.  **locality**: Gezira Research Station.  Seed.

PI 571088  
**origin**: Sudan.  **origin institute id**: IS 9662.  **cultivar**: EAIN E 1 GOANG.  **other id**: SU 514.  **group**: SU.  **locality**: Gezira Research Station.  Seed.

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**origin**: Sudan.  **origin institute id**: IS 9664.  **cultivar**: TA RANO.  **other id**: SU 516.  **group**: SU.  **locality**: Gezira Research Station.  Seed.

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PI 571118 origin: Sudan. origin institute id: IS 9697. cultivar: CHIKKORI. other id: SU 548. group: SU. locality: Gezira Research Station. Seed.

PI 571119 origin: Sudan. origin institute id: IS 9698. cultivar: ACOL. other id: SU 549. group: SU. locality: Gezira Research Station. Seed.


PI 571121 origin: Sudan. origin institute id: IS 9700. cultivar: LWEL FADIANG. other id: SU 551. group: SU. locality: Gezira Research Station. Seed.

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PI 571123 origin: Sudan. origin institute id: IS 9702. cultivar: CALL. other id: SU 553. group: SU. locality: Gezira Research Station. Seed.

PI 571124 origin: Sudan. origin institute id: IS 9703. cultivar: NYAN JANG. other id: SU 554. group: SU. locality: Gezira Research Station. Seed.
PI 571125 origin: Sudan. origin institute id: IS 9704. cultivar: RAHMATALLA. other id: SU 555. group: SU. locality: Gezira Research Station. Seed.

PI 571126 origin: Sudan. origin institute id: IS 9705. cultivar: KALILI. other id: SU 556. group: SU. locality: Gezira Research Station. Seed.


PI 571128 origin: Sudan. origin institute id: IS 9710. cultivar: EL LUBEI. other id: SU 559. group: SU. locality: Gezira Research Station. Seed.

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PI 571036 to 571355-continued

PI 571138 origin: Sudan. origin institute id: IS 9725. cultivar: FETERITA SHENDI. other id: SU 573. group: SU. locality: Gezira Research Station. Seed.

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PI 571147 origin: Sudan. origin institute id: IS 9734. cultivar: MALWAL ADINJOK. other id: SU 582. group: SU. locality: Gezira Research Station. Seed.

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PI 571036 to 571355-continued

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PI 571167 origin: Sudan. origin institute id: IS 9756. other id: SU 603. group: SU. other id: DS 18. locality: Gezira Research Station. Seed.

PI 571168 origin: Sudan. origin institute id: IS 9757. cultivar: FETERITA DWARF 6603. other id: SU 604. group: SU. locality: Gezira Research Station. Seed.

PI 571169 origin: Sudan. origin institute id: IS 9758. cultivar: FETERITA FULLI DUEIN. other id: SU 605. group: SU. locality: Gezira Research Station. Seed.

PI 571170 origin: Sudan. origin institute id: IS 9759. cultivar: FETERITA JULLY GRP. other id: SU 606. group: SU. locality: Gezira Research Station. Seed.


PI 571172 origin: Sudan. origin institute id: IS 9761. cultivar: FETERITA KENANA. other id: SU 608. group: SU. locality: Gezira Research Station. Seed.

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PI 571177 origin: Sudan. origin institute id: IS 9769. cultivar: KODILIK. other id: SU 616. group: SU. locality: Gezira Research Station. Seed.

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PI 571180 origin: Sudan. origin institute id: IS 9772. cultivar: MENDO. other id: SU 619. group: SU. locality: Gezira Research Station. Seed.

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PI 571183 origin: Sudan. origin institute id: IS 9775. cultivar: MONSTAL. other id: SU 622. group: SU. locality: Gezira Research Station. Seed.


PI 571186 origin: Sudan. origin institute id: IS 9779. cultivar: QUERY 2. other id: SU 626. group: SU. locality: Gezira Research Station. Seed.

PI 571187 origin: Sudan. origin institute id: IS 9780. cultivar: QUERY 3. other id: SU 627. group: SU. locality: Gezira Research Station. Seed.


PI 571189 origin: Sudan. origin institute id: IS 9782. cultivar: RAS ET. GUID. other id: SU 629. group: SU. locality: Gezira Research Station. Seed.
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PI 571191  origin: Sudan.  origin institute id: IS 9784.  cultivar: SFARA WHITE NILE.  other id: SU 631.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571192  origin: Sudan.  origin institute id: IS 9785.  cultivar: SOLOWAI PURPLE.  other id: SU 632.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571193  origin: Sudan.  origin institute id: IS 9787.  cultivar: WAD AKAR 2.  other id: SU 634.  group: SU.  locality: Gezira Research Station.  Seed.


PI 571198  origin: Sudan.  origin institute id: IS 9793.  cultivar: WAD MUMID.  other id: SU 639.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571199  origin: Sudan.  origin institute id: IS 9794.  cultivar: WAD YABIS.  other id: SU 640.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571200  origin: Sudan.  origin institute id: IS 9795.  cultivar: YAR.  other id: SU 641.  group: SU.  locality: Gezira Research Station.  Seed.


PI 571202  origin: Sudan.  origin institute id: IS 9797.  cultivar: YT 69.  other id: SU 643.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571204  origin: Sudan.  origin institute id: IS 9800.  cultivar: EL MELEIT.  other id: SU 646.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571205  origin: Sudan.  origin institute id: IS 9802.  cultivar: S. SWAZILAND.  other id: SU 647.  group: SU.  locality: Gezira Research Station.  Seed.


PI 571208  origin: Sudan.  origin institute id: IS 9805.  cultivar: DARI.  other id: SU 650.  group: SU.  locality: Gezira Research Station.  Seed.


PI 571210  origin: Sudan.  origin institute id: IS 9808.  cultivar: TUNNAK.  other id: SU 652.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571211  origin: Sudan.  origin institute id: IS 9809.  cultivar: CULUM BROWN.  other id: SU 653.  group: SU.  locality: Gezira Research Station.  Seed.

PI 571212  origin: Sudan.  origin institute id: IS 9810.  cultivar: NAGAD BROWN.  other id: SU 654.  group: SU.  locality: Gezira Research Station.  Seed.


PI 571215  origin: Sudan.  origin institute id: IS 9813.  cultivar: PEKD/MANAGIL.  other id: SU 657.  group: SU.  locality: Gezira Research Station.  Seed.
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**locality:** Gezira Research Station.  
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PI 571230  
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**origin institute id:** IS 9833.  
**cultivar:** ANDRO POGAN.  
**other id:** SU 675.  
**group:** SU.  
**locality:** Gezira Research Station.  
Seed.

PI 571231  
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**origin institute id:** IS 9834.  
**cultivar:** SONGO RED AMBER.  
**other id:** SU 676.  
**group:** SU.  
**locality:** Gezira Research Station.  
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PI 571232  
**origin:** Sudan.  
**origin institute id:** IS 9835.  
**cultivar:** DWARF EARLY SHALLU 5772/1.  
**other id:** SU 677.  
**group:** SU.  
**locality:** Gezira Research Station.  
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PI 571233  
**origin:** Sudan.  
**origin institute id:** IS 9837.  
**cultivar:** DWARF EARLY SHALLU 5772/2.  
**other id:** SU 679.  
**group:** SU.  
**locality:** Gezira Research Station.  
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PI 571234  
**origin:** Sudan.  
**origin institute id:** IS 9838.  
**cultivar:** COLLIER.  
**other id:** SU 680.  
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PI 571235  
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**cultivar:** SBI 100.  
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**locality:** Gezira Research Station.  
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PI 571236  
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**cultivar:** YELLOW SUMAC.  
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PI 571237  
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**cultivar:** NT 2614.  
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PI 571238  
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**cultivar:** S. TAKANDA.  
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PI 571239  
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**cultivar:** ZANDA KOKO.  
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**locality:** Gezira Research Station.  
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PI 571240  
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PI 571241  
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**group:** SU.  
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PI 571245 origin: Sudan. origin institute id: IS 9851. other id: SU 693. group: SU. other id: A 29. locality: Gezira Research Station. Seed.

PI 571246 origin: Sudan. origin institute id: IS 9853. other id: SU 695. group: SU. other id: A 35. locality: Gezira Research Station. Seed.


PI 571249 origin: Sudan. origin institute id: IS 9856. other id: SU 698. group: SU. other id: A 43. locality: Gezira Research Station. Seed.


PI 571251 origin: Sudan. origin institute id: IS 9858. other id: SU 700. group: SU. other id: A 47. locality: Gezira Research Station. Seed.

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PI 571262  origin: Sudan. origin institute id: IS 9874. other id: SU 713. group: SU. other id: A 89. locality: Gezira Research Station. Seed.

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PI 571297 origin: Sudan. origin institute id: IS 9921. other id: SU 751. group: SU. other id: A 305. locality: Gezira Research Station. Seed.

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PI 571322  origin: Sudan.  
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PI 571337 origin: Sudan. origin institute id: IS 9972. other id: SU 796. group: SU. other id: B 262. locality: Gezira Research Station. Seed.

PI 571338 origin: Sudan. origin institute id: IS 9963. other id: SU 788. group: SU. other id: B 181. locality: Gezira Research Station. Seed.

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PI 571351  
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PI 571353  
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PI 571354  
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PI 571355  
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PI 571356. Sorghum bicolor (L.) Moench POACEAE

**Donated by**: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

**origin**: Sudan.  
**origin institute id**: IS 2039.  
**other id**: SU 2326.  
**group**: SU.  
**Seed**.

PI 571357 to 571369. Sorghum bicolor (L.) Moench POACEAE

**Donated by**: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.
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PI 571358  
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PI 571359  

PI 571360  

PI 571361  

PI 571362  
origin: Sudan.  origin institute id: IS 944.  cultivar: KADODOK.  other id: SU 22.  group: SU.  other id: FC 4571.  Seed.

PI 571363  
origin: Sudan.  origin institute id: IS 945.  cultivar: WADAKI.  other id: SU 23.  group: SU.  other id: FC 4581.  Seed.

PI 571364  
origin: Sudan.  origin institute id: IS 950.  cultivar: MALUK.  other id: SU 27.  group: SU.  other id: FC 4511.  Seed.

PI 571365  
origin: Sudan.  origin institute id: IS 955.  cultivar: BIRGALLI AHMER.  other id: SU 32.  group: SU.  other id: FC 4536.  Seed.

PI 571366  

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PI 571368  
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PI 571369  
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PI 571370 to 571374. Sorghum bicolor (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

PI 571371 origin: Sudan. origin institute id: IS 14464. other id: SU 861. group: SU. other id: HD-117. Seed.
PI 571373 origin: Sudan. origin institute id: IS 14475. other id: SU 865. group: SU. other id: HD-120. Seed.
PI 571374 origin: Sudan. origin institute id: IS 14480. other id: SU 868. group: SU. other id: HD-123. Seed.

PI 571375 to 571377. Sorghum bicolor (L.) Moench POACEAE

Donated by: Mayaguez, PR USDA, ARS, Puerto Rico. Received June 23, 1993.

PI 571376 origin: Sudan. origin institute id: IS 14476. other id: SU 866. group: SU. other id: HD-121. Seed.
PI 571377 origin: Sudan. origin institute id: IS 14478. other id: SU 867. group: SU. other id: HD-122. Seed.

PI 571378 to 571391. Sorghum bicolor (L.) Moench POACEAE

Donated by: Sotomayor-rios, A., Mayaguez Inst. of Trop. Ag., Box 70, Mayaguez 00708, Puerto Rico. Received June 23, 1993.

PI 571378 origin: Sudan. origin institute id: IS 939. cultivar: BABUSH. other id: SU 17. group: SU. other id: FC 4557. Seed.
PI 571380 origin: Sudan. origin institute id: IS 1324. cultivar: FETERITA. other id: SU 35. group: SU. other id: AS 4425. Seed.
PI 571381  
origin: Sudan. origin institute id: IS 2080. other id: SU 2367. group: SU. Seed.

PI 571382  

PI 571383  

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PI 571385  

PI 571386  

PI 571387  

PI 571388  

PI 571389  
origin: Sudan. origin institute id: IS 7055. cultivar: GADAM EL HAMAM. other id: SU 408. group: SU. other id: 541. Seed.

PI 571390  
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