

PI 542969 to 542970-continued

PI 542970 **origin:** United States. **origin institute:** Arkansas Agr. Exp. Sta., University of Arkansas, Agronomy Dept., Fayetteville, Arkansas 72701. **cultivar:** R 88-1259. **pedigree:** F5 selection from R 82-4195/Leflore. **other id:** GP-123. **group:** CSR-SOYBEAN. **remarks:** Released to provide germplasm for study of leaflet traits and for use to modify canopy architecture. Maturity early, Group VI and yields similar to commercial cultivars of this maturity. Leaves predominately quintafoliolate, lanceolate. Growth habit determinant. Flowers purple. Pubescence tawny. Seed yellow with black hila. Spring Annual. Breeding Material. Seed.

PI 542971. *Beta vulgaris* L. CHENOPODIACEAE Sugarbeet

Donated by: Hecker, R.J., Agricultural Research Service -- USDA, Crops Research Laboratory, 1701 Center Avenue, Fort Collins, Colorado, United States; and Beet Sugar Development Foundation. **remarks:** FC710 Sugarbeet Germplasm. Received August 01, 1990.

origin: United States. **origin institute:** Agricultural Research Service -- USDA, Crops Research Laboratory, 1701 Center Avenue, Fort Collins, Colorado 80526. **cultivar:** FC710. **pedigree:** Eleven cycles of selection for *Rhizoctonia* resistance from an original population that was 42% U.S. cultivars, 28% leafspot and blackroot tolerant germplasms, and 30% reciprocal *B. maritima*/sugarbeet hybrids. **other id:** GP-133. **group:** CSR-SUGARBEET. **remarks:** Diploid multigerm germplasm resistant to root rot (*Rhizoctonia solani*) developed for use as a pollinator or as a source germplasm in breeding of *Rhizoctonia*-resistant hybrid cultivars. Developed by nine cycles of mass selection for resistance and two cycles of recurrent selection. Biennial. Breeding Material. Seed.

PI 542972. *Glycine max* (L.) Merr. FABACEAE Soybean

Donated by: Jacob Hartz Seed Co, Inc, United States. Received July 1990.

origin: United States. **cultivar:** HARTZ VARIETY H7190. **other id:** PVP 9000214. **source:** Pending. **group:** PVPO. Cultivar. Seed.

PI 542973. *Gossypium hirsutum* L. MALVACEAE Cotton

Donated by: Cargill Hybrid Seeds, United States. Received June 29, 1990.