

PI 517947-continued

donor id: Tift N75. **origin:** United States. **cultivar:** MOTT. **pedigree:** Selection from selfed progeny of Merkeron (dwarf/tall). **other id:** GP-55. **group:** CSR-OTHER GRASSES. **other id:** CV-116. **group:** CSR-OTHER GRASSES. **remarks:** Plants heterozygous, not true breeding from seed, 1.6m tall, dwarf growth habit. Short day sensitive, won't flower at Tifton before frost. Cold tolerance equal to Merkeron. Excellent source of dwarfing genes for height control for developing easily managed, leafy, high quality cultivars. Forage quality excellent. Flowers male and female fertile and $2n=4x=28$. Perennial. Breeding Material. Seed.

PI 517948. *Lolium multiflorum* Lam. POACEAE Italian ryegrass

Donated by: Hanna, W.W., Monson, M.G., & Utley, P.R., USDA-ARS, Coastal Plain Exp. Sta., Animal Sci. Dept., Coastal Plain Exp. Sta, Tifton, Georgia, United States. **remarks:** Developed jointly by USDA-ARS and the University of Georgia Coastal Plain Experiment Station, Tifton. Received March 15, 1988.

donor id: Tift 86. **origin:** United States. **pedigree:** Selection from an adapted, reseeding, early-maturing ecotype from a pasture near Valdosta. **other id:** GP-56. **source:** Crop Sci. 28(5):0871. **group:** CSR-OTHER GRASSES. **remarks:** Plants early maturing, yield high. Flowering early May. Suitable for overseeding on sods of warm-season perennial grasses such as bermuda and bahia. Potentially adapted to annual ryegrass growing areas from Texas to North Carolina. Winter survival excellent. **disease resistance:** Tolerance to crown and stem rusts. Annual. Breeding Material. Seed.

PI 517949 to 517959. *Helianthus annuus* L. ASTERACEAE Sunflower

Donated by: Hoes, J.A. & Dedio, W., Agriculture Canada, Research Station, Morden, Manitoba ROG 1J0, Canada. Received March 15, 1988.

PI 517949 **donor id:** CM 601. **origin:** Canada. **pedigree:** S8 selection from CM 400. **other id:** GP-83. **source:** Crop Sci. 28(5):0875. **group:** CSR-SUNFLOWER. **remarks:** Plants mid-early maturity, high self compatibility, single-headed, 147cm tall. Achenes medium-sized, black with grey stripes. Days to 80% bloom 64. Seedoil content 48%. **disease resistance:** Rust and Verticillium wilt. Annual. Breeding Material. Seed.