

PI 564585-continued

**origin:** United States. **developed:** W.W. Hanna. **origin institute:** Agricultural Research Service -- USDA, University of Georgia, Agric. Res. Sta., Coastal Plain Exp. Sta., Tifton, Georgia 31793 United States. **cultivar:** TIFT 8677. **pedigree:** Pollen shedding plant sel. from Tift 23D2A1 [cytoplasmic-nuclear male sterile (cms) pearl millet] x MN16 (2n=6x=42 pearl millet x napiergrass interspecific hybrid) cross. **other id:** PL-20. **group:** CSR-MILLET, PEARL. **restricted:** CSR. **remarks:** Semi-dwarf inbred. Maturity averages 1.6m tall. Flowers 55-60 days after planting. Restores male fertility of cytoplasmic-nuclear male steriles with the A1 cytoplasm. Produces desirable grain hybrids when used as a pollinator. Seeds brownish-gray. Spring Annual. Breeding Material. Seed.

PI 564586. *Pennisetum glaucum* (L.) R. Br. POACEAE Pearl millet

**Donated by:** Hanna, W.W., Agricultural Research Service -- USDA, University of Georgia, Tifton, Georgia 31793, United States; and Georgia Agr. Exp. Sta.. **remarks:** Tift #5 S-1 Pearl Millet Germplasm. Received December 18, 1992.

**origin:** United States. **developed:** W.W. Hanna, J.P. Wilson, H.D. Wells, S.C. Gupta. **origin institute:** Agricultural Research Service - USDA, University of Georgia, Agric. Res. Sta., Agronomy Dept., Tifton, Georgia 31793 United States. **cultivar:** TIFT #5 S-1. **pedigree:** Bulk of equal quantities of seed from 114 accessions from ICRISAT, IBPGR, Niger, USA, Senegal, and Mali. **other id:** GP-29. **group:** CSR-MILLET, PEARL. **restricted:** CSR. **remarks:** Comprised of accessions with genes for resistance to rust, leaf spot, smut, and downy mildew. A sample of over a thousand plants from bulked population segregated for 32% and 86% rust and leaf spot resistant plants, respectively. Genes for potentially increasing forage yields and inducing cytoplasmic male sterility. Should have excellent drought tolerance genes because it is 1 of last 3 or 4 species to survive at edge of Sahara Desert. Although readily crosses with pearl millet & provides valuable genes, weedy relative with seed shattering, small seeds & small inflorescences. Breeding Material. Seed.

PI 564587. *Nicotiana tabacum* L. SOLANACEAE Burley tobacco

**Donated by:** Nielsen, M., University of Kentucky, Dept. of Agronomy, N212 Ag Sciences Bldg. N, Lexington, Kentucky 40546-0091, United States. Received December 18, 1992.