

PI 559907-continued

**origin:** United States. **developed:** P.W. Voigt, B.L. Burson. **origin institute:** Agricultural Research Service -- USDA, Grassland, Soil, and Water Res. Lab., 808 E. Blackland Rd., Temple, Texas 76502 United States. **cultivar:** TEM-SD. **pedigree:** Derived through open pollination from Vorster collections 459, 467 and 469 made in N. Cape Prov., Republic of South Africa. **other id:** GP-63. **group:** CSR-OTHER GRASSES. **other id:** W6 10115. **group:** W6. **restricted:** CSR. **remarks:** Diploid, 20 chromosomes. The only source of this species that is known to reproduce sexually. Weakly stoloniferous. Height 30-40cm. Seed dormancy high. MUST BE INCREASED IN ISOLATION FROM OTHER CLOSELY RELATED SPECIES. Perennial. Breeding Material. Seed.

PI 559908. *Panicum coloratum* L. POACEAE Kleingrass

**Donated by:** Young, B.A., Agricultural Research Service -- USDA, Grassland, Soil and Water Research Lab, Temple, Texas 76502, United States; and Texas Agr. Exp. Sta.. **remarks:** TEM-LD1 Kleingrass Germplasm. Received January 24, 1991.

**origin:** United States. **developed:** B.A. Young, C.R. Tischler, W.R. Ocumpaugh. **origin institute:** Agricultural Research Service -- USDA, Grassland, Soil and Water Res. Lab., Temple, Texas 76502 United States. **cultivar:** TEM-LD1. **pedigree:** From population of 75% Selection-75 and 25% OKPC-1 germplasm. Plants from selection cycle 6 for reduced post-harvest seed dormancy were recombined in isolation nursery (polycross). **other id:** GP-64. **group:** CSR-OTHER GRASSES. **restricted:** CSR. **remarks:** Selected for low post harvest seed dormancy. Germination of freshly-harvested seed 89%. Morphologically indistinguishable from Selection-75, the cultivar which comprised 75% of base population. Produces abundant fertile seed in late spring which have average mass of 0.82mg/seed. Spring growth initiated in early March, plants bloom by mid-May. Yield trials produced 38g of dry matter/plant, similar to Selection-75, but wintersurvival reduced compared to same cultivar. Perennial. Breeding Material. Seed.

PI 559909. *Carthamus tinctorius* L. ASTERACEAE Safflower

**Donated by:** Mundel, H. H., Lethbridge Res. Sta.--Agriculture Canada, P.O. Box 3000 Main, Lethbridge AB T1J 4B1, Canada. **remarks:** AC Stirling Safflower. Received January 24, 1991.