PI 535780 to 535781. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Gorz, H.J., USDA-ARS, Department of Agronomy, University of Nebraska, Lincoln, Nebraska, United States; **and** Haskins, F.A.;Johnson, B.E., Department of Agronomy, University of Nebraska,, Lincoln, Nebraska, United States; **and** Sotomayor-Rios, A., Tropical Agriculture Research Station, USDA-ARS, Mayaguez, Puerto Rico. **remarks:** Developed cooperatively by USDA-ARS and the Nebraska Agricultural Research Division and released April, 1989. Received September 15, 1989.

PI 535780 **donor id:** NP36. **origin:** United States. **pedigree:** Random mating sorghum population selected from RP2B after 8 cycles of S1 family selection using ms3 to facilitate recombination for lower dhurrin content. **other id:** GP-244. **group:** CSR-SORGHUM. **remarks:** Population source using ms3 of reduced dhurrin content and A- and B-lines for use in producing low-dhurrin hybrids. Plant height average at maturity 100cm. Plant color purple. Caryopsis white to brown. Midrib green. Segregates for genetic male sterility (ms3). Requires special regeneration handling. Annual. Breeding Material. Seed.

PI 535781 **donor id:** NP37. **origin:** United States. **pedigree:** Combination of two random-mated sorghum populations using ms3 plants and incorporating bmr-6 for brown midrib and PR2B. **other id:** GP-245. **group:** CSR-SORGHUM. **remarks:** Population source using ms3 of reduced dhurrin content and A- and B- lines, for use in producing low-dhurrin sorghum- sudangrass or forage sorghum hybrids, with bmr-6 gene for brown midrib. Plant height average at maturity 110cm. Plants purple. Midrib brown. Caryopsis white. Segregates for genetic male-sterility (ms3). HCN-p mean 597mg per kg fresh weight for male-sterile bulk. Annual. Breeding Material. Seed.

PI 535782 to 535796. Sorghum bicolor (L.) Moench POACEAE Sorghum

Donated by: Gorz, H.J., USDA-ARS, Department of Agronomy, University of Nebraska, Lincoln, Nebraska, United States; **and** Haskins, F.A., Department of Agronomy, University of Nebraska, Lincoln, Nebraska, United States; **and** Johnson, B.E., Department of Agronomy, University of Nebraska, Lincoln, Nebraska, United States. **remarks:** Developed cooperatively by USDA-ARS and the Nebraska Agricultural Research Division and released April, 1989. Received September 15, 1989.