

**donor id:** NP30. **origin:** United States. **pedigree:** Low-dhurrin random mating sudangrass population harvested from ms3 plants using 85 S1 families with superior regrowth potential. **other id:** GP-238. **group:** CSR-SORGHUM. **remarks:** Germplasm source of low-dhurrin and improved regrowth after repeated harvesting. Plant height average at maturity 240cm. Segregates for plant color as well as leaf midrib (white or green). Glumes mostly black, mahogany and sienna. Caryopsis brown. Hydrocyanic acid potential (HCN-p) means 252mg per kg fresh weight for fertile bulk and 248mg per kg for male-sterile bulk. Requires special regeneration handling. Annual. Breeding Material. Seed.

PI 535775 to 535776. *Sorghum bicolor* (L.) Moench POACEAE Sudangrass

**Donated by:** Haskins, F.A., Department of Agronomy, University of Nebraska, Lincoln, Nebraska, United States; and Gorz, H.J., USDA-ARS, Department of Agronomy, University of Nebraska, Lincoln, Nebraska, United States; and Vogel, K.P., USDA-ARS, 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.

PI 535775 **donor id:** NP31. **origin:** United States. **pedigree:** Low-dhurrin composite of three sudangrass populations harvested from ms3 plants blended in equal amounts. **other id:** GP-239. **group:** CSR-SORGHUM. **remarks:** Germplasm source of low-dhurrin and ms3 gene for male-sterility for sudangrass breeding programs. Plant height average at maturity 233cm. Segregates for midrib and plant color. Glume color varies from black and mahogany to sienna. Caryopsis brown. Hydrocyanic acid potential (HCN-p) means 225mg per kg fresh weight for fertile bulk and 216mg for male-sterile bulk. Requires special regeneration care. Annual. Breeding Material. Seed.

PI 535776 **donor id:** NP32. **origin:** United States. **pedigree:** Open-pollinated, low-dhurrin F6 selection from high dhurrin sudangrass B-line by low-dhurrin selection from 'Piper'. **other id:** GP-240. **group:** CSR-SORGHUM. **remarks:** Germplasm source of low-dhurrin and sudangrass B breeding lines. Plant height average 220cm. Plant color tan. Midrib white. Glumes straw-colored. Caryopsis light tan to brown. Hydrocyanic acid potential (HCN-p) means 131mg per kg fresh weight. Requires special regeneration handling. Annual. Breeding Material. Seed.