

PI 536015. *Medicago sativa* L. FABACEAE Alfalfa

**Donated by:** Sorensen, E.L., USDA-ARS, Dept. of Agronomy, Throckmorton Hall, Kansas State University, Manhattan, Kansas, United States; and Stuteville, D.L., Dept. of Plant Pathology, Throckmorton Hall, Kansas State University, Manhattan, Kansas, United States; and Horber, E.K., Dept. of Entomology, Waters Hall, Kansas State University, Manhattan, Kansas, United States. **remarks:** Developed by the USDA-ARS and the Kansas Agricultural Experiment Station and released 7 July, 1989. Received October 12, 1989.

**donor id:** KS71AN2BA2M2P4PA2SA2. **origin:** United States. **pedigree:** Interpollination of 78 parental lines selected from alfalfa weevil tolerant populations. Estimated germplasm constitution Chilean 38%, *M. varia* 24%, Flemish 18%, Turkistan 14%, Ladak 3%, *M. falcata* 2%, and Peruvian 1%. **other id:** GP-224. **group:** CSR-ALFALFA. **remarks:** Alfalfa germplasm with resistance to anthracnose, bacterial and Fusarium wilts, downy mildew and aphids (pea, blue alfalfa, and spotted alfalfa). Fall dormancy scores at St. Paul, MN 4.5 compared to DuPuits 4.5 and Saranac 5.3. **disease resistance:** Anthracnose, bacterial wilt, downy mildew. Fusarium wilt, Phytophthora root rot. **insect resistance:** Aphids: pea, blue alfalfa and spotted alfalfa. Perennial. Breeding Material. Seed.

PI 536016. *Sorghum bicolor* (L.) Moench POACEAE Sorghum

**Donated by:** Miller, F.R., Dept. of Soil and Crop Sciences, Texas A&M University, College Station, Texas, United States; and Toler, R.W., Dept. of Plant Pathology & Microbiology, Texas A&M University, College Station, Texas, United States. **remarks:** Developed by the Texas Agricultural Experiment Station, Texas A&M University and released June, 1989. Received October 12, 1989.

**donor id:** RTx2858. **origin:** United States. **pedigree:** Tx412/SC599-6/2/SC326-6/3/QL1-1-AB-6-1-1, Bulk-10-3-1-2-x. **other id:** GP-271. **group:** CSR-SORGHUM. **other id:** 80C6828. **remarks:** Germplasm restorer line which carries resistance to maize dwarf mosaic virus (MDMV-A) and restores fertility to hybrids with Al-cytoplasmic genetic male-sterility system. Plant height 100cm. Panicles slightly oval, semi-open and erect. Exsertion excellent. Glumes purple. Midrib juicy. Pollen amount large. Seeds white translucent, medium in size size. Testa non pigmented. ZZ (no starch granules). **disease resistance:** Maize dwarf mosaic virus (MDMV-A). Annual. Breeding Material. Seed.