

PLANTING GUIDE

Species: *Bouteloua curtipendula (Michx.) Torr.* Haskell
Common Name: sideoats grama
Accession No.: PMT-470 PI-433946
Origin: Haskell, Texas

Description: Sideoats grama is a native perennial warm-season grass with short creeping rhizomes. It occurs in all of Texas except the East Texas Timberlands.

PMT-470 plants are 70 to 80 cm tall with leaf blades 4 to 5 mm wide, green to blue-green and glaucous. The seed head is a spreading or pendulous raceme 29 to 40 cm tall. With 35 to 50 spikes 1 to 2 cm long; it appears one-sided.

PMT-470 was selected from an initial evaluation study at Knox City for use in central and south Texas where the current commercial varieties are not well adapted. It is highly rhizomatous. Seed yield has averaged 147 pounds per acre per year at the PMC for 9 years. Seed yield has been as high as 280 pounds per acre. Seed harvest averages about 1 month later than the 'El Reno' variety.

Test Area: Vegetational Areas 3, 4, 5, 6, 7, 8, and 9

Use: This warm-season grass will be used in range seeding mixtures.

Site Selection, Establishment, and Evaluation:

- a. Soils--PMT-470 prefers medium texture soils and will probably perform poorly on very heavy clay and coarse sands.
- b. Fertilizer--Add phosphorus and potash as needed to bring the fertility level to medium. Add up to 25 pounds of nitrogen per acre.
- c. Seedbed--Prepare a moderately firm seedbed suitable for reseeding a range site. Sideoats will normally be the main component of the range seeding mixture.
- d. Seeding rate--There are about 527,350 seeds per pound. Seed at 5 to 5½ pounds per acre PLS in pure stand. Reduce rate according to percent of the sideoats in the range mixture.
- e. Seeding date--Seed in the spring ("Arch-April).
- f. Evaluating a new stand--Two to three plants per square foot would be a good stand 60 days after planting. Use the SCS-~~fall~~ to evaluate stand, production, and utilization.
- g. Standard--'El Reno', Uvalde, 'Vaughn', 'Premier', or other released varieties will be used.