Desert panicgrass is native to warm-season, perennial, rhizomatous grass that is adapted to unique Southwestern desert riparian environments. Adaptation zones include riparian and river channel sand dunes, and sandy creosote bush scrublands in the lower Mohave, and Colorado River drainages. Flowering occurs generally less than 1,000 m. Grows to 0.3 meter tall, with hairy leaves up to 45 cm. The inflorescence is a spadix bearing oval-shaped spikelets coated in downy white or silvery hairs. Diploid 2n = 36.

Native Range of Panicum urvilleanum in the Southwestern United States

Seed collected from 3 river channel sites, May-June 2014:
- Salt Basin
- Mesquite Ranch
- Camp Teddy
- La Tuna

Greenhouse Germination Testing:
- Seed texture adaptation [PS, CL, LS, SL]
- Seedling depth substrate (2.5, 3.5, 5.0 cm)
- Stratification (Cold Soil, 60 F)
- Replicated split-split plot design
- V/C, n = 1,000; LS, n = 1,000; PS, n = 1,000

Seed Stratification

SUITE FOR REVEGETATION OF ACTIVE EROSION, SAND DEPOSITION AREAS, AND RETIRED AGRICULTURAL FIELDS ON SANDY SOILS

Tucson Plant Materials Center

Probable pre-vetotrail, source-identified release

2015