Prairie Cordgrass Spartina pectinata

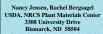
Establishment

Plant Features

Perennial

5-10 Feet Tall

Serrated Leaf Margins



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Uses

Wetland Restoration and Enhancement

Streambank Stabilization

Windstrip Barriers

Filterstrips

Riparian Buffers

Prairie Landscaping

Wildlife Habitat

Early Season Forage

· Moist sites -

- · Seasonally dry sites

- · Native to USA





Site Adaptation

streambanks, ditches, wet meadows

- · Wide array of soil types
- · Tolerates alkali conditions · Intolerant of prolonged flooding
- · Tall Grass Prairie



Seed **Propagation**





- Drill
- ▶ Broadcast
- Seeding Rate (Based on 183,000 seeds/lb) 30 seeds/ft2 (7 lbs PLS/ac)
- ▶ 1/2 to 1 lb PLS/ac in wet meadow mix

Seeding Date

- Spring (preferred) May 10 to June 20 (ND) Fall (dormant) - after October 20 (ND)
- Seeding Depth 1/2 to 3/4 inches

Seed Ouality

Current Purity and Germination Tests Lab results may vary due to lack of standardized germination tests. Test seed dormancy. Germination deteriorates in temperature and humidity controlled storage after 3 years. Viability may decrease sooner in uncontrolled storage conditions of high temperatures and humidity.

- Debearded (Deawned) Debearded seed flows easier and seeding rate and placement is more uniform.
- Seed Source

Adapted Local Ecotype Seed can be harvested by hand stripping or combining in late fall. Seed shattering is sporadic.

Adapted Variety or Selection

Seed of Red River Germplasm, released from the Bismarck Plant Materials Center, is available in the commercial market. Most prairie cordgrass seed is produced in northern regions because of insect predation of seed in the more southern climates



Propagation



Vegetative Material

- . "J" hook pieces of rhizome are most desired. All vegetative material must have roots and a vegetative bud.
- · Rhizomes with 4 to 12 inches of dry stem are most easily handled.



- · Propagation bed
- Nursery
- Harvest Method
- · Hand dig
- Undercutter • Disk
- Plow
- Harvest Date · Spring (early) - April to May
- Fall (dormant) store in controlled storage

Planting Depth • 3 to 6 inches

- Planting Methods
- · Hand plant
- · Tree planter Sprigger
- Rhizome Spacing
 - . Between rows 6 to 15 feet for seed increase field, closer for erosion control
- Within row 3 to 6 feet between rhizomes













