

Seed Growers' Guide

Plant Materials Center Releases Bismarck, ND and Bridger, MT



**Antelope Germplasm
Slender White Prairieclover**



**Bismarck Germplasm
Purple Prairieclover**



**Bismarck Germplasm
Stiff Sunflower**



**Medicine Creek Germplasm
Maximilian Sunflower**



**Bismarck Germplasm
Narrow-leaved Purple Coneflower**

Seed Growers' Guide for Five Native Forbs/Legumes Released for Conservation Use

	<i>Dalea candida</i>	<i>Dalea purpurea</i>	<i>Helianthus pauciflorus</i>	<i>Helianthus maximiliani</i>	<i>Echinacea angustifolia</i>
	Antelope Germplasm Slender White Prairieclover	Bismarck Germplasm Purple Prairieclover	Bismarck Germplasm Stiff Sunflower	Medicine Creek Germplasm Maximilian Sunflower	Bismarck Germplasm Narrow-leaved Purple Coneflower
Origin	North Dakota	South Dakota	North Dakota	South Dakota	North Dakota
Seeds Per Pound	278,000	300,000	85,000	250,000	128,000
Seeding Date	spring	spring	spring or fall dormant	spring or fall dormant	fall dormant
Seed Treatment	scarification	scarification	none	none	cold stratification
Recommended Planting Method	rows 30 PLS/linear ft.	rows 30 PLS/linear ft.	rows or solid 15 PLS/linear ft.	wide rows 30 PLS/linear ft.	rows 30 PLS/linear ft.
Row Spacing	24-36 inches	24-36 inches	24-36 inches grow solid	6-8 feet	24-36 inches
Seeding Rate (PLS lbs./ac.)	1.6 at 36" spacing	1.5 at 36" spacing	2.5 at 36" spacing	0.75 at 6' spacing	2.8 at 36" spacing
Seed Yield Potential (lbs./ac.)	200-400	200-400	75-150	75-150	50-100
Soils/Sites	well-drained	well-drained	well-drained	extra moisture	well-drained
Potential Problems	root rot, insects	root rot, insects	insects, bird predation, shattering	insects, drought, bird predation, shattering	need good pollination
Remarks	easy to harvest	easy to harvest	spreads aggressively by rhizomes, wide rows fill in quickly	consider early season mowing to keep plants shorter for ease of harvest	potential disease and insect problems