

# Native Grasses

Native Species	Growth Habit	Flood Tolerance	Drought Tolerance	Salt Tolerance	Soil Ph	Soil Type	Seed/lb	Canopy Mature height
<b>Purple Prairie Clover</b> <i>Dalea purpureum</i> var. <i>purpureum</i>	Tap Rooted Legume	Light Moderate	Good	Poor	Neutral	Medium to Moderately Fine	210,000	12 – 24” .3-.7m
<b>American Vetch</b> <i>Vicia americana</i>	Tap Rooted Legume	Fair	Good	Poor	Neutral to Acidic	Medium to Moderately Fine	33,000	1-12” .3m
<b>Hairy Vetch</b> <i>Vicia villosa</i>	Tap Rooted Legume	Fair	Good	Poor	Neutral	Sandy Clay	20,000	12 – 24” .3-.7m
<b>Canada Milkvetch</b> <i>Astragalus canadensis</i>	Rhizomatous Legume	Good	Fair	Good	Neutral	Medium to Moderately fine Moderately coarse	226,000	12-40” .3-.5m
<b>Red Top</b> <i>Agrostis gigantea</i> (Introduced)	Sod forming rhizomatous	Excellent	Poor	Moderate	Acidic to Neutral	Loam to clay	5,000,000	18 – 30” .3 - .7m
<b>Ticklegrass</b> <i>Agrostis scabra</i>	Erect bunch	Excellent	Good	Moderate	Acidic to Neutral	Rocky infertile barren	4,000,000	6 – 12” .3 - .7m
<b>Fults Alkaligrass</b> <i>Puccinellia distans</i> (Introduced)	Sod forming	Good	Good	High	Basic to Neutral	Moderately fine, Moderately coarse	1,200,000	12-24” .3-.7m
<b>Inland Saltgrass</b> <i>Distichlis spicata</i>	Sod forming rhizomatous	Excellent	Poor	High	Saline to Alkaline	Moderately fine to Medium	520,000	12 – 24” .3 - .7m
<b>Blue Grama</b> <i>Bouteloua gracilis</i>	Low grow sod forming	Poor	Excellent	Moderate	Basic neutral	Loam to clay loam	711,000 - 850,000	6 – 8” 0.1 - .04m
<b>Side Oats Grama</b> <i>Bouteloua curtipendula</i>	Slightly rhizomatous	Good	Good	Good	Moderately Alkaline	Medium Fine Textured, well drained	191,000	12 - 24” .3 - .7m
<b>Alpine Bluegrass</b> <i>Poa alpina</i>	Dense low bunchgrass	Good	Good	Some	Acidic to alkali	Clay soils to well drained gravel	1,000,000	2 – 5” .03 - .1m
<b>Canada Bluegrass</b> <i>Poa compressa</i> (Introduced)	Low grow sod forming	Fair	Good	Good	Neutral, acidic, basic	Moderately fine, fine to moderately coarse	2,500,000	6 – 12” 0.2 - 0.7m
<b>Fowl Bluegrass</b> <i>Poa palustris</i> (Introduced)	Bunch to weakly sod-forming	Excellent	Moderate	Moderate	Acidic to neutral	Peat soils to clay	3,156,000	12– 24” .3 - .7m
<b>Glaucous Bluegrass</b> <i>Poa glauca</i>	Bunch	Poor	Good	Poor	Ph 6-8	Sandy to coarse	990,000	4 - 11” .1 - .6m
<b>Sandberg Bluegrass</b> <i>Poa secunda</i> ssp.	Erect bunch	Poor	Excellent	Poor	Neutral, basic, acidic	Moderately coarse, medium, moderately fine	1,047,000	5 – 11” .15 - .3m
<b>Big Bluestem</b> <i>Andropogon gerardii</i>	Sod forming rhizomatous	Excellent	Good	Poor	Neutral, basic, acidic	Moderately coarse, moderately fine	130,000	25”+ .7m +
<b>Little Bluestem</b> <i>Schizachyrium scoparium</i>	Bunchgrass	Poor	Med	Fair	Neutral, basic, acidic	Medium, coarse, Moderately fine	260,000	12 – 24” .4 – 1.2m
<b>Fringed Bromegrass</b> <i>Bromus ciliatus</i>	Erect bunch	Good	Good	Good	Neutral, acidic, basic	Medium, Moderately coarse Moderately fine	236,000	18 – 36” .6 - 1m
<b>Mountain Bromegrass</b> <i>Bromus marginatus</i>	Erect bunch	Good	Med	Good	Neutral to basic	Medium to moderately fine	64,000	24 – 36” 0.6 - 1.2m
<b>Nodding Bromegrass</b> <i>Bromus anomalus</i>	Bunchgrass	Poor	Excellent	Fair	Neutral to basic	Coarse	142,800	5 – 12” .15 - .3m

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<b>Switchgrass</b> <i>Panicum virgatum</i>	Sod forming rhizomatous	Very Good	Poor	Very Good	Acidic, basic, Neutral	Moderately coarse, medium, moderately fine	389,000	25"+ .7m+
<b>Alpine Fescue</b> <i>Festuca brachyphylla</i>	Low grow bunch	Poor	Excellent	Poor	Acidic to neutral	Loam to sandy soils well drained	505,000	2 - 6" .05 - 0.2m
<b>Rocky Mountain Fescue</b> <i>Festuca saximontana</i>	Bunchgrass	Fair	Very good	Poor	Neutral to slightly acidic	Sandy to well drained loam	1,202,000	3 - 6" .1 - .5m
<b>Foothills Rough Fescue</b> <i>Festuca campestris</i>	Dense tufted	Poor	Good	Poor	Neutral	Moderately coarse, medium to Moderately fine	199,000 - 300,000	11 - 31" .3 - .8m
<b>Plains Rough Fescue</b> <i>Festuca hallii</i>	Tufted and slightly rhizomatous	Poor	Fair	Poor	Neutral	Medium to heavy textured soils	403,000	8 - 18" .3 - .6m
<b>Hard Fescue</b> <i>Festuca trachyphylla</i> (Introduced)	Low grow bunch fine leaf	Poor	Very Good	Moderate	Acidic to neutral	Loam to sandy loam	565,000	6 - 8" .15 - .6m
<b>Sheep Fescue</b> <i>Festuca ovina</i>	Low grow bunch	Poor	Excellent	Poor	Acidic to neutral	Loam to gravel	680,000	6 - 8" .15 - .6m
<b>Idaho Fescue</b> <i>Festuca idahoensis</i>	Bunchgrass	Poor	Excellent	Poor	Neutral, acidic, basic	Heavy soils to well drained	450,000	25"+ .7m+
<b>Junegrass</b> <i>Koeleria macrantha</i>	Bunchgrass	Fair	Very good	Moderate	Neutral to basic	Medium to moderately fine	2,315,400	40-08" .2 - .5m
<b>Green Needle Grass</b> <i>Nassella viridula</i>	Erect bunch	Fair	Excellent	Poor	Neutral to basic	Medium to Coarse	180,000	16 - 30" .4 - .8m
<b>Needle and Thread Grass</b> <i>Hesperostipa comata</i> ssp. <i>comata</i>	Erect bunch	Good	Excellent	Good	Neutral to basic	Coarse to well drained	115,000	12 - 18" .3 - .7m
<b>Western Porcupine Grass</b> <i>Stipa curtisetata</i>	Erect bunch	Good	Very good	Moderate	Acidic to alkaline	Very dry Poor soils	203,000	12" - 18" .4 - .6m
<b>Prairie Sandreed</b> <i>Calamovilfa longifolia</i>	Sod Forming rhizomatous	Poor	Very good	Moderate	Neutral	Coarse to Moderately coarse	237,000	30 - 46" .8 - 1.2m
<b>Bluejoint Reedgrass</b> <i>Calamagrostis canadensis</i>	Sod Forming	Excellent	Good	Good	Neutral to Acidic	Fine to coarse	2,270,000	23 - 46" .6 - .12m
<b>Sand Dropseed</b> <i>Sporobolus cryptandrus</i>	Bunchgrass	Good	Very good	Good	Saline alkaline	Sandy dry	5,298,000	12 - 24" .3 - .7m
<b>Indian Ricegrass</b> <i>Achnatherum hymenoides</i>	Bunchgrass	Poor	Excellent	Good	Neutral to basic	Rocky to sandy well drained	141,000	12 - 24" .3 - .7m
<b>Indiangrass</b> <i>Sorghastrum nutans</i>	Bunch sod forming	Very Good	Fair	Good	Neutral, acidic, basic	Moderately coarse to moderately fine	170,000	25"+ .7m+
<b>Beckmans Sloughgrass</b> <i>Beckmannia syzigachne</i>	Tufted with short rhizomes	Excellent	Poor	Very Good	Neutral, Acidic, Basic	Wet areas	1,150,000	12 - 40" .3 - 1.0m

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<b>Spike Trisetum</b> Trisetum spicatum	Erect bunch	Very good	Poor	Very Good	Acidic to alkaline	Course to loam	1,800,000	6-8" .1-.5m
<b>Alpine Timothy</b> Phleum alpinum	Bunch and slightly sod forming	Good	Good	Good	Neutral to Acidic	Sandy loam Silty Clay	1,000,000	4 - 12" .1 - .3m
<b>Tufted Hairgrass</b> Deschampsia caespitosa	Med. height bunch	Excellent	Fair	Excellent	Acidic 3.5 – 7.5	Sandy to clay	1,500,000	6 – 15" .2 – 1.2m
<b>Slender Wheatgrass</b> Elymus trachycaulus	Bunchgrass	Good	Good	Good	Saline to alkaline	Medium	160,000	20 – 48" .5 – 1.5m
<b>Awne Wheatgrass</b> Elymus trachycaulus ssp. subsecundus	Erect bunch	Good	Good	Good	Saline to alkaline	Medium	160,000	20 – 48" .5 – 1.5m
<b>Pubescent Wheatgrass</b> Thinopyrum intermedium ssp. barbulatum (Introduced)	Sod forming strongly rhizomatous	Fair	Excellent	Fair	Alkaline tolerant	Medium, Moderately fine, Moderately coarse	100,000	12 - 24" .4 - 1.2m
<b>Northern Wheatgrass</b> Elymus lanceolatus ssp. lanceolatus	Sod forming rhizomatous	Moderate	Excellent	Good	Alkaline tolerant	Sandy medium coarse	154,000	12 – 24" .4-1.3m
<b>Streambank Wheatgrass</b> Elymus lanceolatus ssp. psammophilus	Sod forming rhizomatous	Very Good	Very Good	Moderate	Acidic to alkaline	Sandy medium coarse to heavier soils	155,000	12 - 24" .4 - 1.2m
<b>Western Wheatgrass</b> Pascopyrum smithii	Erect sod	Good	Very good	Very good	Acidic to saline alkaline	Fine to medium	110,000	15 – 30" .3 - .6m
<b>Violet Wheatgrass</b> Agropyron violaceum	Loosely Tufted	Very good	Good	Good	Acidic to alkaline	Coarse to clay	160,000	16 – 40" .2 - .5m
<b>Bluebunch Wheatgrass</b> Pseudoroegneria spicata ssp. spicata	Bunchgrass	Fair	Very Good	Fair	Neutral	Medium, Moderately Fine, Moderately coarse	140,000	12 - 24" .4 - 1.2m
<b>Fairway Crested Wheatgrass</b> Agropyron cristatum (Introduced)	Bunchgrass	Fair	Very Good	Moderate	Neutral to Basic	Moderately coarse Medium, Moderately fine	265,250	12 – 18" .4 - .7m
<b>Tall Wheatgrass</b> Thinopyrum ponticum (Introduced)	Bunchgrass	Very Good	Good	Good	Saline up to pH 10	Medium, Moderately fine, Moderately coarse	79,000	25"+ .7m+
<b>Canada Wild Rye</b> Elymus canadensis	Bunchgrass	Good	Good	Good	Neutral to alkaline	Sandy coarse to fine	115,000	28 – 60" .7 - 1.2m
<b>Smooth Wildrye</b> Elymus glaucus	Bunchgrass	Good	Good	Good	Neutral to Acidic	Moderately coarse to Moderately fine	134,500	16 – 36" .4 - 1m
<b>Hairy Wild Rye</b> Elymus innovatus	Erect bunch rhizomes	Fair	Good	Moderate	Acidic to neutral	Fine to coarse	175,000	16 – 36" .4 - 1m