

Native Grass Characteristics Chart

Common Name	Seeds/g	Max Height (cms)	Growth Form	Growth Period	Shade Tolerance	Anerobic Tolerance	Saline	Frost Free Days	pH Min	pH Max	Drought	Flooding	Persistence	Palatability
Alkali Grass	4,647	24	R	SP/SU	L	H	H	110	6.5	8.5	L	H	L	L
Alkali Cordgrass	231	90	R	SP/SU	L	M	H	90	7.0	9.5	M	M	H	L
Blue Grama	2,866	30	B	SU/F	L	L	M	145	6.6	8.4	H	L	M	H
Bluegrass, Alpine	3,300	51	B	SP/SU	M	L	L	120	5.0	7.2	M	H	H	M
Bluegrass, Canada	5,555	60	R	SP	H	L	L	90	5.0	7.0	M	N	M	H
Bluegrass, Fowl	6,957	120	B	SP/SU	M	M	L	100	4.9	7.5	L	H	M	L
Bluegrass, Glaucous	2,910	90	B	SP/SU	L	L	L	90	5.2	7.6	H	L	H	M
Bluegrass, Sandberg	2,308	42	B	SP	M	L	L	90	6.0	8.0	H	M	M	M
Bluejoint	8,460	147	R	SP	L	H	L	102	4.5	8.0	L	H	H	H
Bluestem, Big	318	180	B	SU	L	M	M	155	6.0	7.5	H	M	H	H
Bluestem, Little	530	90	B	SU/F	L	L	L	100	5.0	8.4	H	L	H	H
Bromegrass, Fringed	520	120	B	SP/SU	H	L	L	175	5.5	7.5	L	L	H	H
Bromegrass, Mountain	198	120	B	SP/SU	L	L	M	150	5.5	8.0	M	L	L	H
Bromegrass, Nodding	255	60	B	SP/SU	H	L	L	100	5.4	7.9	H	L	L	H
Buffalograss	739	15	ST	SU	L	H	H	145	6.5	8.0	H	H	H	H
Fescue, Idaho	992	60	B	SP	M	L	L	130	5.6	8.4	L	L	H	M
Fescue, Rough Foothills	664	45	B	SP/SU	M	L	L	90	6.0	8.0	L	N	M	M
Fescue, Sheeps	1,498	15	B	SP	M	L	L	90	5.5	7.5	H	L	H	M
Green Needlegrass	398	50	B	SP/SU	L	L	M	130	6.6	8.4	H	L	M	M
Hairgrass, Rough	11,000	75	B	SP	L	L	L	90	6.0	8.0	L	L	M	M
Hairgrass, Tufted	5,510	102	B	SP/SU	L	H	L	100	4.8	7.2	L	H	H	L
Indiangrass	385	180	B	SU/F	L	L	M	120	4.8	8.0	M	L	H	H
Indian Ricegrass	518	60	B	SP/SU/F	L	L	L	90	6.6	8.6	H	L	M	H
Junegrass	3,300	45	B	SP/F	H	L	L	150	6.0	8.0	H	L	L	H
Needle and Thread	555	90	B	SP	L	L	L	130	6.6	8.4	H	L	M	M
Polargrass	3,968	54	B	SP/SU	L	H	L	90	4.9	6.8	L	H	H	L
Prairie Sandreed	603	135	R	SP/SU	L	L	L	135	5.6	8.4	H	L	M	M
Reedgrass, Narrow Leaved	11,684	90	R	SP/SU	M	H	M	90	5.5	8.0	L	H	H	M

Native Grass Characteristics Chart *continued*

Common Name	Seeds/g	Max Height (cms)	Growth Form	Growth Period	Shade Tolerance	Anerobic Tolerance	Saline	Frost Free Days	pH Min	pH Max	Drought	Flooding	Persistence	Palatability
Sand Dropseed	12,346	90	B	SP	L	L	M	150	6.6	8.0	H	L	L	L
Sedge, Bebb's		90	B	SP/SU	H	H	L	80	4.6	7.0	L	H	H	L
Sideoats Grama	351	90	R	SU	L	L	L	150	5.5	8.5	M	L	M	H
Sloughgrass, American	1,603	90	B	SP/SU	M	H	M	100	5.5	7.5	L	L	M	L
Spike Trisetum	5,511	57	B	SP/SU	M	L	L	90	4.9	7.5	M	L	L	H
Switchgrass	571	150	R	SU	L	M	M	120	4.5	8.0	M	M	H	H
Western Porcupinegrass	331	120	B	SP/SU	L	L	L	85	5.0	7.5	M	L	M	M
Wheatgrass, Northern	345	130	R	SP/F			H				H	H	H	H
Wheatgrass, Slender/Awned	353	90	B	SP	L	L	H	90	5.6	9.0	H	H	M	H
Weatgrass Western	242	100	R	SP/F			H				H	H	H	M
Whitetop	386	147	R	SP/SU	L	H	L	95	5.0	8.0	L	H	M	H
Wildrye, Basin/Giant	290	250	R	SP/F					L	H	H	H	L	M
Wildrye, Canada	254	120	B	SP					L	H	H	M	L	H
Wildrye, Hairy	392	100	B	SP/F							H	M	L	L
Wildrye, Smooth	240	100	B	SP/F					L	H	H	M	M	

B = Bunchgrass
 SP = Spring
 H = High Tolerance
 R = Rhizomatous
 SU = Summer
 M = Medium Tolerance
 ST = Stoloniferous
 F = Fall
 L = Low Tolerance

Native Grasses – Cross Reference

GRASSES

Blue Grama	Bouteloua gracilis	Alkali Grass (Fults)	Puccinellia distans
Bluejoint	Calamagrostis canadensis	Alkali Grass, Nuttals	Puccinellia nuttalliana
Bluestem, Big	Andropogon gerardii	Bluegrass, Alkali	Poa juncifolia
Bromegrass, Fringed	Bromus ciliatus	Bluegrass, Alpine	Poa alpina
Bromegrass, Mountain	Bromus carinatus	Bluegrass, Big	Poa ampla
Bromegrass, Nodding	Bromus anomalus	Bluegrass, Canada	Poa compressa
Hairgrass, Tufted	Deschampsia caespitosa	Bluegrass, Fowl	Poa palustris
Polargrass	Arctagrostis	Bluegrass, Glaucous	Poa glauca
Prairie Sandreed	Calamovilfa longifolia	Bluegrass, Sandberg	Poa sandbergii
Reedgrass, Narrow Leaved	Calamagrostis stricta	Bluegrass, Tundra	Poa glauca
Sedge, Bebb's	Carex bebbii	Fescue, Idaho (Joseph) - GroKoted	Festuca idahoensis
Sloughgrass, American	Beckmannia syzigachne	Fescue, Rocky Mountain	Festuca saximontana
Ticklegrass	Agrostis scabra	Fescue, Rough Foothills	Festuca campestris
Wheatgrass, Awned	Agropyron trachycaulum var. unilaterale	Fescue, Sheeps	Festuca ovina
Wheatgrass, Broad-Glumed	Agropyron violaceum	Green Needlegrass	Stipa viridula
Wheatgrass, Northern	Agropyron dasystachyum	Indian Ricegrass	Oryzopsis hymenoides
Wheatgrass, Slender	Agropyron trachycaulum	Junegrass	Koeleria hacrantha
Wheatgrass, Streambank	Agropyron dasystachyum var. riparium	Needle and Thread	Stipa comata
Wheatgrass, Violet	Agropyron violaceum	Sand Dropseed	Sporobolus cryptandrus
Wheatgrass, Western	Agropyron smithii	Spike Trisetum	Trisetum spicatum
Wildrye, Basin/Giant	Elymus piperi	Timothy, Alpine	Phleum commutatum / aplinum
Wildrye, Canada	Elymus canadensis	Western Porcupine	Stipa curtiseta/spartea
Wildrye, Hairy	Elymus innovatus	Wheatgrass, Bluebunch	Pseudoroegneria spicatum
Wildrye, Smooth	Elymus glaucus	White Top	Scolochloa festucacea

Native Grasses – Cross Reference *continued*

FORBS

Aster, Prairie	Aster ericoides	Clover, Purple Prairie	Petalostemon purpureum
Aster, Smooth	Aster laevis	Coneflower, Prairie	Ratibida columnifera
Blanket Flower	Gaillardia aristata	Flax, Blue	Linum perenne L.
Fire Weed	Epilobium angustifolium	Golden Rod	Solidago canadensis
Gaillardia, Perennial	Gaillardia aristata	Northern Bedstraw	Galium boreale
Milkvetch, Canada	Astragalus canadensis	Poppy, Iceland	Papaver nudicaule
Poppy, California	Eschscholzia californica	Rocky Mountain Penstemon	Penstemon strictus
Yarrow	Achillea millefolium	Vetch, American	Vicia americana

Cover/Nurse Crops

Fall Rye	Secale cereale
Ryegrass, Annual	Lolium multiflorum
Ryegrass, Intermediate (Transist 2200)	Lolium hybridum
Ryegrass, Italian	Lolium perenne ssp. multiflorum
Vetch, Hairy	Vicia villosa
Wheatgrass, Regreen	Triticum aestivum x Elytrigia elongata

Native Grasses Substitution Chart

Common Name	Alternate Common Names	Latin Name	Substitute*
Alkali Grass, Nuttals	Salt Grass	<i>Puncinellia nutalliana</i>	Alkali Grass (Fults),
Alkali Grass (Fults)	Salt Grass	<i>Puncinellia distans</i>	Alkali Grass, Nuttals
Alkali Cord Grass		<i>Spartina gracilis</i>	
Blue Grama	Red Grama, White Grama, Purple Grama, Navajita azul, Navajita comun	<i>Bouteloua gracilis</i>	Sideoats Grama
Bluegrass, Alkali	One Sided Speargrass	<i>Poa juncifolia</i> , <i>Poa secunda</i> <i>ssp juncifolia</i>	Big Bluegrass, Sandberg Bluegrass
Bluegrass, Alpine		<i>Poa alpina</i>	Canada Bluegrass
Bluegrass, Big		<i>Poa ampla</i>	Alkali Bluegrass
Bluegrass, Canada	Flattened Meadow Grass, English Bluegrass, Flat-Stemmed Grass, Wiregrass, Virginia bluegrass	<i>Poa compressa</i>	Alpine Bluegrass
Bluegrass, Fowl		<i>Poa palustris</i>	Tufted Hairgrass
Bluegrass, Glaucous	Tundra Bluegrass	<i>Poa glauca</i>	
Bluegrass, Sandberg		<i>Poa sandbergii</i>	Alkali Bluegrass
Bluejoint	Canada Reedgrass, Bluejoint Reedgrass, Meadow Pinegrass, Marsh Pinegrass, Marsh Reedgrass	<i>Calamagrostis canadensis</i>	Narrow Leaved Reedgrass; Same growth characteristics as Whitetop
Bluestem, Big	Turkey Foot	<i>Andropogon gerardii</i>	Sand Bluestem
Bluestem, Little	Little False Bluestem, Small Feathergrass, Broomsedge, Prairie Beardgrass, Poptillo Colorado	<i>Schizachyrium scoparium</i>	
Bromegrass, Fringed		<i>Bromus ciliatus</i>	Ticklegrass, Mountain Bromegrass, Nodding Bromegrass
Bromegrass, Mountain	California Brome, Big Brome	<i>Bromus carinatus</i>	Fringed Bromegrass, Nodding Bromegrass
Bromegrass, Nodding		<i>Bromus anomalus</i>	Mountain Bromegrass
Buffalograss		<i>Buchloe dactyloides</i>	Blue Grama

*Substitutions are suggestions only. Sufficient research should be done to find a comparable species in regards to habitat, topography, site conditions, etc. Please refer to Native Grass Characteristics Chart for a closer comparison.

Native Grasses Substitution Chart *cont'd*

Common Name	Alternate Common Names	Latin Name	Substitute*
Fescue, Idaho	Bluebunch Fescue	<i>Festuca idahoensis</i>	Grows with Bluebunch Wheatgrass and Sheeps Fescue
Fescue, Rocky Mountain		<i>Festuca saximontana</i>	Sheeps Fescue
Fescue, Rough Foothills	Buffalo Bunchgrass, Big Buffalo Bunchgrass	<i>Festuca campestris</i>	Plains Rough Fescue, Tall Fescue, Meadow Fescue, Thurber's Fescue
Fescue, Rough Plains	Buffalo Bunchgrass, Big Buffalo Bunchgrass	<i>Festuca hallii</i>	Foothills Rough Fescue, Tall Fescue, Meadow Fescue, Thurber's Fescue
Fescue, Sheeps		<i>Festuca ovina</i>	Rocky Mountain Fescue
Green Needlegrass		<i>Stipa viridula</i>	Western Porcupinegrass, Needle and Threadgrass
Hairgrass, Rough	Hair Bentgrass, Ticklegrass	<i>Agrostis scabra</i>	
Hairgrass, Tufted	Salt and Pepper Grass	<i>Deschampsia caespitosa</i>	Fowl Bluegrass
Indiangrass		<i>Sorghastrum nutans L.</i>	
Indian Ricegrass		<i>Oryzopsis hymenoides</i>	
Junegrass	Prairie Junegrass, Mountain Junegrass, Koelersgrass	<i>Koeleria hacrantha</i>	Grows with Plains Reedgrass
Needle and Thread	Speargrass, Western Speargrass, Common Speargrass	<i>Stipa comata</i>	Green Needlegrass, Western Porcupine Grass
Polargrass		<i>Arctagrostis latifolia</i>	
Prairie Sandreed	Sandgrass, Sand Reedgrass	<i>Calamovilfa longifolia</i>	
Reedgrass, Narrow Leaved		<i>Calamagrostis stricta/ inexpansia</i>	
Sand Dropseed		<i>Sporobolus cryptandrus</i>	
Sedge, Bebb's		<i>Carex bebbii</i>	
Sedge, Broom		<i>Carex scoparia</i>	
Sideoats Grama		<i>Bouteloua curtipendula</i>	Blue Grama
Sloughgrass, American		<i>Beckmannia syzigachne</i>	
Spike Trisetum		<i>Trisetum spicatum</i>	
Switchgrass	Tall Panic Grass, Prairie Switchgrass	<i>Panicum virgatum</i>	

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Native Grasses Substitution Chart *cont'd*

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Western Porcupinegrass		<i>Stipa curtisetata/spartea</i>	Green Needlegrass, Needle and Thread Grass
Wheatgrass, Awned		<i>Agropyron trachycaulum var unilaterale or Agropyron subsecundum</i>	Slender Wheatgrass
Wheatgrass, Northern	Thickspike Wheatgrass	<i>Agropyron dasystachyum or Elymus lanceolatus</i>	Streambank Wheatgrass, Western Wheatgrass
Wheatgrass, Slender	Slender Wildrye	<i>Agropyron trachycaulum or Elymus trachycaulum</i>	Awned Wheatgrass
Wheatgrass Streambank		<i>Agropyron dasystachyum var riparium</i>	Northern Wheatgrass
Wheatgrass Violet	Bluebunch Wheatgrass, Alpine Wheatgrass	<i>Agropyron violaceum</i>	
Wheatgrass Western	Bluestem, Bluejoint, Western Couchgrass, Colorado Bluestem, Smith Bluestem, Wyoming Wheatgrass	<i>Agropyron smithii or Pascopyrum smithii</i>	Northern Wheatgrass
Whitetop		<i>Scholochloa festuceacea</i>	
Wildrye, Giant	Basin Wildrye, Great Basin Wildrye	<i>Elymus piperi/cinereus or Leymus cinereus</i>	
Wildrye, Canada	Nodding Wildrye, Nodding Wildrye, Blue Wildrye, Mountain Wildrye, Western Wildrye	<i>Elymus canadensis</i>	Smooth Wildrye, Hairy Wildrye
Wildrye, Hairy	Fuzzy Spiked Wildrye, Downy Lyme Grass, Boreal Wildrye	<i>Elymus innovatus</i>	Western/Slender/Northern Wheatgrass, Canada Wildrye
Wildrye, Smooth	Blue Wildrye	<i>Elymus glaucous</i>	Canada Wildrye

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