

PARTIAL LIST OF NATIVE GRASSES FOR CONSERVATION, FORAGE PRODUCTION, AND RECLAMATION FOR PACIFIC NORTHWEST

	<u>Cultivar or 'Germplasm'</u>	<u>Origin</u>	<u>Ease of Establishm't</u>	<u>Seeds per Pound</u>	<u>Pure Stand Seeding Rate</u>	<u>Min Precip. (in)</u>	<u>Growth Type</u>	<u>Shallow Soil Tol.</u>	<u>Nutrient Requirem't</u>	<u>Weed Suppres'n</u>	<u>Vital Attributes</u>
Big Bluegrass	Sherman	WA	Easy	925,000	3	9	Short Bunch	Good	Low	Good	Early season growth, Excel. reseeder
	Service	AK	Easy	925,000	3	16	Short Bunch	Good	Low	Fair	Adapted to northern Pacific coast
Canby Bluegrass	Canbar	WA	Difficult	926,000	3	9	Short Bunch	Good	Low	Fair	Very early, Excel. in dryland mixes
Sandberg's Bluegrass	High Plains	-	Difficult	925,000	3	8	Short Bunch	Excel.	Low	Poor	Very early, Excel. in dryland mixes
Mountain Bromegrass	Bromar	WA	Easy	80,000	10	16	M. Tall Bunch	Good	Moderate	Good	Excel. seedling vigor, Short-lived, Use in mixes only
Sand Dropseed	none		Moderate	5,300,000	0.5	7	Short Bunch	Excel.	Low	Fair	Excel. reseeder, Tol. trampling
Idaho Fescue	Nez Perce	ID	Difficult	450,000	4	16	Short Bunch	Good	Low	Fair	Slow to establish, Dense roots
	Joseph	ID	Difficult	450,000	4	16	Short Bunch	Good	Low	Fair	Slow to establish, Dense roots
	'Winchester, ID'	ID	Difficult	450,000	4	16	M. Tall Bunch	Good	Low	Fair	Slow to establish, Fair reseeder
Tufted Hairgrass	Peru Creek	CO	Moderate	2,500,000	1	18	Tall Bunch	Fair	Moderate	Good	Tol. acid mine spoil, Excel. cold tol.
	Willamette	OR	Moderate	2,500,000	1	18	Tall Bunch	Fair	Moderate	Good	Not cold tol., tol flooding & clay soil
	Tillamook	OR	Moderate	2,500,000	1	18	Tall Bunch	Fair	Moderate	Good	Not cold tol., coastal estuary ecotype
Prairie Junegrass	Barkoel	N. America	Difficult	2,300,000	1	12	Short Bunch	Good	Low	Fair	Barkoel developed for low maintenance turf
Needle-and-thread	none	-	Easy	180,000	4	6	Short Bunch	Excel.	Low	Poor	Very drought tolerant, Grows well in coarse soils
Indian Ricegrass	Nezpar	ID	Moderate	235,000	6	10	Short Bunch	Fair	Low	Poor	Seed 2" deep, Excel. sand stilling grass
	Rimrock	MT	Moderate	235,000	6	10	Short Bunch	Fair	Low	Poor	Seed 2' deep, Does not shatter
	Paloma	CO	Moderate	235,000	6	10	Short Bunch	Fair	Low	Poor	Seed 2" deep, Excel. sand stilling grass
Beardless Wheatgrass	Whitmar	WA	Moderate	145,000	7	12	M. Tall Bunch	Fair	Low	Good	Long-lived, Poor reseeder
Bluebunch Wheatgrass	Goldar	WA	Moderate	139,000	7	12	M. Tall Bunch	Good	Low	Good	Long-lived, Poor reseeder
	P-7	NW USA	Moderate	139,000	7	12	M. Tall Bunch	Good	Low	Good	Long-lived, Composite of 7 ecotypes
	'Anatone, WA'	WA	Moderate	139,000	7	12	M. Tall Bunch	Good	Low	Good	Long-lived, More drought tol. than Goldar
Slender Wheatgrass	Pryor	MT	Easy	90,000	6	10	Tall Bunch	Good	Mod. High	Excel.	Short-lived, Excel. seedling vigor, Use in mixes only
	San Luis	CO	Easy	135,000	6	10	Tall Bunch	Good	Mod. High	Excel.	Short-lived, Excel. seedling vigor, Use in mixes only
	Revenue	SASK.	Easy	135,000	6	10	Tall Bunch	Good	Mod. High	Good	Short-lived, Excel. seedling vigor, Use in mixes only
Snake River Wheatgrass	Secar	ID	Moderate	139,000	7	8	M. Tall Bunch	Good	Low	Good	Long-lived, very similar to Bluebunch
Streambank Wheatgrass	Sodar	OR	Moderate	135,000	6	8	M. Tall Rhiz.	Fair	Low	Good	Long-lived, Drought tol., Forms dense stands
Thickspike Wheatgrass	Critana	MT	Easy	135,000	6	8	M. Tall Rhiz.	Fair	Low	Excel.	Long-lived, Drought tol., Forms dense stands
	Bannock	ID	Easy	135,000	6	8	Tall Rhiz.	Fair	Low	Excel.	Stands diminish 5-6 years, Very drought tol.
	Schwendimar	WA	Easy	135,000	6	8	Tall Rhiz.	Fair	Low	Excel.	Stands diminish 5-6 years, Very drought tol.
Western Wheatgrass	Rosana	MT	Difficult	115,000	6	14	M. Tall Rhiz.	Poor	Mod. High	Excel.	Usually in moist swales, Long-lived
	Barton	KS	Difficult	115,000	6	14	M. Tall Rhiz.	Poor	Mod. High	Excel.	Usually in moist swales, Long-lived
	Rodan	ND	Difficult	115,000	6	14	M. Tall Rhiz.	Poor	Mod. High	Excel.	Usually in moist swales, Long-lived
	Arriba	CO	Difficult	115,000	6	14	M. Tall Rhiz.	Poor	Mod. High	Excel.	Usually in moist swales, Long-lived
Basin Wildrye	Magnar	B.C.	Moderate	130,000	7	8	Tall Bunch	Poor	High	Good	Long-lived, Tall, Excel. bird habitat
	Trailhead	MT	Moderate	130,000	7	8	Tall Bunch	Poor	High	Good	Long-lived, Tall, Excel. bird habitat
Beardless Wildrye	Shoshone	WY	Difficult	150,000	6	14	Tall Rhiz.	Poor	High	Good	Tol. Wet-saline soil, Long-lived
	Rio	CA	Difficult	150,000	6	14	Tall Rhiz.	Poor	High	Good	Tol. wet-saline soil, Long-lived
Blue Wildrye	Elkton	OR	Easy	145,000	7	16	Tall Bunch	Fair	High	Good	Short-lived, Excel. reseeder, Tol. part shade, Use in mixe
	Arlington	WA	Easy	145,000	7	16	Tall Bunch	Fair	High	Good	Short-lived, Excel. reseeder, Tol. part shade, Use in mixe
Canada Wildrye	Mandan	ND	Easy	115,000	7	15	Tall Bunch	Good	Moderate	Fair	Short-lived, Excel. In mixes, Grows well in coarse soils



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	<u>Cultivar</u>	<u>Origin</u>	<u>Ease of Establishm't</u>	<u>Seeds per Pound</u>	<u>Pure Stand Seeding Rate</u>	<u>Min Precip. (in)</u>	<u>Growth Type</u>	<u>Shallow Soil Tol.</u>	<u>Nutrient Requirem't</u>	<u>Weed Suppres'n</u>	<u>Vital Attributes</u>
Bentgrass	Several	Europe	Moderate	7,500,000	0.5	20	Short, Stolon.	Good	Low	Good	Good sod formers, Excel. wet soil tol.
Canada Bluegrass	Ruebens	Europe	Easy	1,600,000	1	18	Short Rhiz.	Good	Moderate	Good	Tol. close grazing, Withstands inundation well, early grow
	Talon	Europe	Easy	1,600,000	1	18	Short Rhiz.	Good	Moderate	Good	Tol. close grazing, Withstands inundation well, early grow
Kentucky Bluegrass	Several	Europe	Moderate	2,200,000	1	18	Short Rhiz.	Good	High	Good	Tol. Close grazing, Primarily turf grass, Early growing
Meadow Bromegrass	Regar	Turkey	Easy	80,000	10	15	Tall Weak Rhiz.	Fair	High	Good	Excel. seedling vigor, Compatible with alfalfa hay mixes
Smooth Bromegrass	Manchar	Manchuria	Easy	125,000	6	15	Tall Rhiz.	Poor	Moderate	Excel.	Aggressive sod former, Can be weedy
	Lincoln	Hungary	Easy	125,000	6	15	Tall Rhiz.	Poor	Moderate	Excel.	Aggressive sod former, Can be weedy
Tall Fescue	Several	Europe	Easy	230,000	5	16	Tall Bunch	Poor	High	Good	Good seedling vigor, Low palatability, Can be weedy
Sheep Fescue	Covar	Turkey	Moderate	680,000	4	10	Short Bunch	Good	Low	Good	Slow to establish but competitive, Dense roots, Drought t
	Michlenburger	Germany	Moderate	680,000	8	16	Short Bunch	Good	Low	Good	Better for the west side, Competitive, Dense roots
Hard Fescue	Durar	Eurasia	Moderate	565,000	4	14	Short Bunch	Good	Low	Good	Slow to establish but competitive, Dense roots, Drought t
Creeping Red Fescue	Several	Eurasia	Easy	615,000	4	20	Short Rhiz.	Good	Low	Good	Tolerates shade very well, Lacks drought tol.
Creeping Foxtail	Garrison	Eurasia	Moderate	900,000	3	18	M. Tall Rhiz.	Poor	High	Excel.	Fluffy seed, Excel. for wet soils, Good hay grass
Orchardgrass	Several	Asia	Easy	540,000	4	16	Tall Bunch	Good	High	Good	Very palatable, Good seedling vigor, Excel. hay grass
Rescuegrass	Matua	New Zealand	Easy	62,000	12	20	Tall Bunch	Fair	High	Good	Reseeds well, Short-lived, Palatable pasture grass
	Prairie	S. America	Easy	62,000	12	20	Tall bunch	Fair	High	Good	Reseeds well, Short-lived, Palatable pasture grass
Perennial Ryegrass	Several	Europe	Easy	247,000	5	14	M. Tall Bunch	Fair	High	Fair	Fast establishing, Can be short-lived, Most cultivars are f
Timothy	Several	Europe	Easy	1,300,000	3	18	M. Tall Bunch	Good	Moderate	Fair	Excel. for wet soils, Does not perform well on clays, Pala
Crested Wheatgrass	Hycrest	Eurasia	Easy	175,000	5	10	M. Tall Bunch	Fair	Low	Good	Very productive, Good spring grazing
	Nordan	Eurasia	Easy	175,000	5	8	M. Tall Bunch	Fair	Low	Good	More drought tol. than Hycrest
	Ephraim	Eurasia	Easy	175,000	5	12	M. Tall Bunch	Fair	Low	Good	Rhizomatous with >14" ppt
	Douglas	Eurasia	Easy	175,000	5	15	M. Tall Bunch	Poor	Moderate	Good	Very productive, Wide leaves, Needs ample ppt.
	Parkway	Eurasia	Easy	200,000	6	9	Short Bunch	Fair	Low	Good	Shorter than Nordan, Semi-turf type
Hybrid Wheatgrass	Newhy	Eurasia	Easy	90,000	8	10	Tall Weak Rhiz.	Poor	Moderate	Excel.	Bluebunch X Quackgrass, Not aggressive, Excel. salinity
Intermediate Wheatgrass	Several	Eurasia	Easy	90,000	8	12	Tall Rhiz.	Poor	Moderate	Good	Fast establishing, Persistent, Good summer grazing
Pubescent Wheatgrass	Several	Eurasia	Easy	90,000	8	12	Tall Rhiz.	Poor	Moderate	Good	Fast establishing, Persistent, Good summer grazing
Siberian Wheatgrass	P-27	USSR	Easy	250,000	6	7	Short Bunch	Fair	Low	Good	Similar to Crested, Better than Crested on sandy (light) so
	Vavilov	USSR	Easy	250,000	6	7	Short Bunch	Fair	Low	Good	Excel. seedling vigor, Persistent, Tol. light soils
Tall Wheatgrass	Alkar	USSR	Easy	79,000	10	12	Tall Bunch	Poor	High	Good	Excel. for saline soils, Very tall, Excel. bird habitat
	Jose	Eurasia	Easy	79,000	10	12	Tall Bunch	Poor	High	Good	Better forage quality than Alkar
	Largo	Turkey	Easy	79,000	10	12	Tall Bunch	Poor	High	Good	Excel. for saline soils, Excel. bird habitat
Mammoth Wildrye	Volga	USSR	Difficult	55,000	15	7	Tall Rhiz.	Poor	Moderate	Fair	Excel. for inland sand dune stabilizat'n, Tall-coarse stems
Russian Wildrye	Bozoisky	USSR	Difficult	170,000	6	9	Tall bunch	Fair	Moderate	Good	Needs wide row spacing, Good winter forage
	Vinal	USSR	Difficult	170,000	6	11	Tall Bunch	Fair	Moderate	Good	Needs wide row spacing, Good winter forage
Altai Wildrye	Swift	USSR	Difficult	170,000	6	11	Tall Bunch	Fair	Moderate	Good	Needs wide row spacing, Good winter forage
	Prairieland	USSR	Difficult	100,000	10	12	Tall Rhiz.	Fair	Mod.		Excel. tol. of wet saline soils, Very nutritious



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	<u>Cultivar</u>	<u>Origin</u>	<u>Ease of Establishm't</u>	<u>Seeds per Pound</u>	<u>Pure Stand Seeding Rate</u>	<u>Min Precip. (in)</u>	<u>Growth Type</u>	<u>Shallow Soil Tol.</u>	<u>Nutrient Requirem't</u>	<u>Weed Suppres'n</u>	<u>Vital Attributes</u>
Alfalfa	Many	Eurasia	Easy	252,000	6	10	Multistem Crown	Poor	Moderate	Good	Use winterhardy single-cut types for dryland
Black Medic	George	Eurasia	Easy	283,000	6	10	Multistem Crown	Good	Moderate	Fair	Annual, Excel. Reseeder, Developed for quick cover
Kura Clover	Rhizo	Eurasia	Moderate	148,000	8	15	Rhizomatous	Fair	Moderate	Fair / Good	Slow to establish (3 yrs), Dense stands
Red Clover	Several	Eurasia	Easy	281,000	6	14	Multistem Crown	Good	Moderate	Good	Can be short-lived, Palatable
Subterranean Clover	Several	Europe	Easy	70,000	15	18	Winter-annual	Fair	High	Good	Better adapted west of Cascades
White Clover	Several	Eurasia	Easy	800,000	3	18	Stoloniferous	Good	Moderate	Good	Good reseeder, Hard seeded, Tol. compacted soil
Cicer Milkvetch	Lutana	Europe	Easy	145,000	7	14	Multistem Crown	Fair	Moderate	Good	Good for bottomlands, Hay/pasture use
Purple Prairieclover	Kaneb	Kansas	Easy	274,000	6	12	Multistem Crown	Fair	Low	Fair	Adapted to dry hillsides, Showy seedheads
Sainfoin	Remont	Eurasia	Easy	18,000	34	12	Multistem Crown	Poor	Moderate	Fair	Excel. wildlife feed, Can be short-lived, Pasture/hay
	Eski	Eurasia	Easy	18,000	34	12	Multistem Crown	Poor	Moderate	Fair	Excel. wildlife feed, Can be short-lived, Pasture/hay
Yellow Sweetclover	Several	Eurasia	Easy	262,000	4	9	Multistem Crown	Good	Low	Fair	Biennial, Good reseeder, Very tall
White Sweetclover	Several	Eurasia	Easy	262,000	4	9	Multistem Crown	Good	Low	Fair	Biennial, Good reseeder, Not as drought tol. as YSC
Utah Sweetvetch	Timp	UT	Moderate	34,000	18	14	Multistem Crown	Good	Low	Fair	Fairly large seeded, Cold tolerant
Birdsfoot Trefoil	Tretana	Eurasia	Easy	470,000	5	14	Multistem Crown	Fair	Moderate	Good	Tol. wet-gravelly soils, Can be weedy, Pasture/hay
	Cascade	Eurasia	Easy	470,000	5	18	Multistem Crown	Fair	Moderate	Good	Use west of Cascades, Can be weedy, Pasture/hay
Woollypod Vetch	Lana	Eurasia	Easy	13,000	30	14	Winter-annual	Good	Moderate	Good	Cover crop in Calif., High N producer
Small Burnet	Delar	Unknown	Moderate	43,000	20	14	Multistem Crown	Fair	Low	Fair	Excel. wildlife plant, Palatable, Not tol. Of wet soils
Blue Flax (Lewis)	Appar	Eurasia	Easy	278,000	4	12	Multistem Crown	Good	Low	Poor	Good reseeder, Tol. calcic soils, V. showy
	Maple Grove	UT	Easy	278,000	4	12	Multistem Crown	Good	Low	Poor	Good reseeder, V. showy
Venus Penstemon	Cleanwater	ID	Easy	1,090,000	2	16	Multistem Crown	Good	Low	Fair	Showy blue flowers, fall seed only
Firecracker Penstemon	Richfield	UT	Easy	315,000	4	10	Multistem Crown	Good	Low	Poor	Showy red flowers, needs light to germinate
Fuzzytongue Penstemon	Old Mill Works	MT	Moderate	358,000	3	12	Multistem Crown	Good	Low	Poor	Showy lavender flowers, Tolerates heavy metal soils
Palmer Penstemon	Cedar	UT	Easy	294,000	4	10	Multistem Crown	Good	Low	Fair	Showy lt. purple flowers
Rocky Mtn Penstemon	Bandera	NM	Easy	286,000	4	18	Multistem Crown	Good	Low	Fair	Showy dark purple flowers
Louisiana Sage	Summit	ID	Easy	4,500,000	1	10	Rhizomatous	Good	Low	Fair	Does well on rocky soils, Stabilizes steep soils
Winterfat	Hatch	UT	Moderate	113,000	1	12	Multistem Crown	Good	Low	Poor	Palatable & nutritious winter forage for wildlife & livestock
	Open Range	MT & WY	Moderate	113,000	1	12	Multistem Crown	Good	Low	Poor	Palatable & nutritious winter forage for wildlife & livestock
Western Yarrow	none	native	Easy	2,700,000	0.25	9	Multistem Crown	Excel.	Low	Poor	Excel. reseeder, Showy, Use in range mixes
Snow Buckwheat	Umatilla	OR	Moderate	427,000	3	6	Multistem Crown	Excel.	Low	Poor	Tol. Rocky-droughty soils, Excel. For mine spoils
Forage Kochia	Immigrant	USSR	Difficult	395,000	1	8	Multistem Crown	Excel.	Low	Poor	Drought tol., Tol. extreme hot and cold, Palatable
Globemallow	none	Native	Moderate	500,000	3	8	Rhizomatous	Good	Low	Poor	Low growing, Showy, Use in range mixes



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