



## Native Willamette Valley Seed

Updated March 2008 \*\*\* = currently in stock; all other species available fall 08 unless indicated otherwise

Minimum purchase for seed is \$250

If you would like to know if a particular species is native to your area of Oregon, please consult The Oregon Plant Atlas at <http://www.oregonflora.org/oregonplantatlas.html>

### Abbreviations

Type: a = annual; p = perennial

Habitat: d = disturbed areas; hb = herbaceous bald; mw = mixed woodland; ow = oak woodland; up = upland prairie; vp = vernal pool; wp = wetland prairie

☐ = photo available on web site

Price: TBD = To be determined

## Heritage Seedlings Native Seed Prices 2008 - Seed Mixes Below Individual Species

Species	Common Name	Type	Habitat	Source (County)	\$ / lb.	\$ / oz.	Seeds / lb.	Seeds / oz.
<b>Grasses, Sedges &amp; Rushes</b>					NOTE : seed from these locations were mixed for production			
<i>Achnatherum (Stipa) lemmonii</i> <b>NEW!</b>	Lemmon's needlegrass	p	hb, up	Benton, Marion, Lane	160	13	106680	6,668
<i>Bromus sitchensis</i> <b>NEW!</b>	Sitka brome	p	mw, ow	Marion	60	6	71000	4,438
<i>Carex densa</i> (☐) (crop 2010)	Dense sedge	p	wp	Marion, Linn	TBD		507,750	31,734
<i>Carex scoparia</i> (crop 2009)	Pointed broom sedge	p	wp	Washington	110	9	1,280,000	80,000
<i>Carex stipata</i> (☐) (crop 2010)	Saw-beaked sedge	p	wp	Marion	220	18	570,000	35,625
<i>Carex tumulicola</i>	Foothill sedge	p	up	Marion, Polk		TBD	324,000	20,250
<i>Carex unilateralis</i> (☐)	One-side sedge	p	wp	Linn, Marion	150	12	1,100,000	68,750
<i>Danthonia californica</i> (☐)***	California oatgrass	p	hb, up, wp	Linn, Marion, Polk	35	4	140,000	8,750
<i>Deschampsia cespitosa</i> (☐)***	Tufted hairgrass	p	wp	Polk Co (Dallas)	25	3	1,500,000	93,750
<i>Elymus glaucus</i>	Blue wildrye	p	up, wp, ow	Benton, Linn, Marion, Polk	25	3	120,000	7,500
<i>Elymus trachycaulus</i> (☐)***	Slender wheatgrass	P	up	Marion, Polk	25	30	134,500	8,406
<i>Festuca californica</i> (☐)	California fescue	p	ow, up	Benton, Lane, Marion, Polk	TBD		450,000	28,125

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Species	Common Name	Type	Habitat	Source (County)	\$ / lb.	\$ / oz.	Seeds / lb.	Seeds / oz.
<i>Festuca roemerii</i> (☑)	Roemer's fescue	p	up	Benton, Marion, Polk	50	5	500,000	31,250
<i>Juncus accuminatus</i> <b>NEW!</b> (crop 09)	Taper-tipped rush	p	wp	Marion		TBD	20,000,000	1,250,000
<i>Juncus tenuis</i> <b>NEW!</b> (crop 2010)	Slender rush	p	wp	Lane, Linn, Polk	180	15	20,000,000	1,250,000
<i>Koeleria macrantha</i> (☑)***	Prairie junegrass	p	up	Benton, Marion, Polk	65	6	2,315,000	144,688
<i>Poa secunda</i> ( <i>P. scabrella</i> ) (☑)***	Pine bluegrass	p	hb, up, vp, wp	Linn, Marion	60	6	1,046,960	65,435
<b>Forbs</b>								
<i>Achillea millefolium</i> (☑)***	Western Yarrow	p	hb, up, wp	Benton, Marion, Linn	40	4	1,418,947	88,684
<i>Agoseris grandiflora</i> (☑) (new crop 2009)	Large-flowered agoseris	p	hb, up	Polk	TBD		273,665	17,104
<i>Allium amplexans</i> (☑)*** <b>OZ AND MIXES</b>	Slim-leaf onion	p	wp	Linn, Marion		20	351,529	21,971
<i>Aquilegia formosa</i> (☑)	Western columbine	p	ow, up	Marion, Linn	250	20	248,000	15,500
<i>Artemisia douglasiana</i> *** <b>OZ AND MIXES</b>	Douglas' sagewort	p	d, wp, mw	Marion		20	5,000,000	312,500
<i>Asclepias speciosa</i> (☑)***	Showy milkweed	p	up, wp	Linn, Polk		45	72,000	4,500
<i>Balsamorhiza deltoidea</i> (☑)	Deltoid balsamroot	p	hb, up	Polk		45		
<i>Camassia leichtlinii</i> (☑)***	Leichtlin's camas	p	hb, up, wp	Marion	150	12	160,000	10,000
<i>Camassia quamash</i> (☑)*** (by the pound fall 2009)	Common camas	p	wp	Linn, Marion		25	100,057	6,254
<i>Clarkia amoena</i> (☑)	Farewell to spring	a	hb, up, wp	Benton, Lane, Polk	85	8	1,031,818	64,489
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i> (☑)***	Purple godetia	a	up, wp	Linn, Polk	50	5	1,890,000	118,125
<i>Clarkia rhomboidea</i> (☑) (crop 2009)	Diamond clarkia	a	hb, up	Marion	TBD		581,818	36,364
<i>Collinsia grandiflora</i> (☑)	Large-flowered blue-eyed Mary	a	hb, up	Marion, Polk	65	6	464,687	29,043
<i>Collomia grandiflora</i> (☑)***	Large-flowered collomia	a	up	Linn, Marion	65	6	121,715	7,607
<i>Dodecatheon pulchellum</i> (☑) <b>MIXES ONLY</b>	Few-flowered shooting star	p	vp, wp	Marion	n/a	n/a	326,592	20,412
<i>Epilobium densiflorum</i> (☑)***	Spiked primrose	a	vp, wp	Linn, Marion	85	5	850,694	53,168

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Species	Common Name	Type	Habitat	Source (County)	\$ / lb.	\$ / oz.	Seeds / lb.	Seeds / oz.
<i>Eriophyllum lanatum</i> (☒)***	Oregon sunshine	p	hb, up, wp	Benton, Linn, Marion, Polk	120	10	1,169,047	73,065
<i>Erythronium oregonum</i> (☒)***	Giant white fawn lily	p	hb, ow, up	Marion		46	77,000	4,813
<i>Geranium oreganum</i> (☒)***	Oregon geranium	p	ow, up, wp	Benton, Marion		46	46,000	2,875
<i>Geum macrophyllum</i> (☒)*** <b>OZ AND MIXES</b>	Large-leaved avens	p	mw, ow, wp	Marion		11	760,037	78,125
<i>Gilia capitata</i> (☒)***	Blue field gilia	a	hb, up	Linn, Marion	37	3	1,008,888	63,056
<i>Grindelia integrifolia</i> (☒) <b>NEW!</b>	Gumweed	p	wp	Benton, Polk	110	9	127,508	7,969
<i>Heracleum lanatum</i> <b>NEW!</b>	Cow parsnip	p	wp, up	Marion		20	35,999	2,250
<i>Heuchera chlorantha</i> (☒) <b>NEW!</b> (crop 2009)	Tall alumroot	p	up, wp	Marion		TBD	lots	
<i>Iris tenax</i> (☒)	Oregon iris	p	mw, ow, up	Marion, Polk	160	13	46,000	2,875
<i>Lathyrus polyphyllus</i> <b>NEW!</b> (crop 2010)	Leafy pea	p	mw	Benton	TBD			
<i>Ligusticum apiifolium</i> (☒)***	Celery-leaved licorice root	p	ow, up	Marion	135	11	112,000	7,000
<i>Lomatium dissectum</i> (☒)***	Fern-leaved lomatium/Biscuit root	p	hb, ow, up	Marion, Polk	175	14	45,031	2,814
<i>Lomatium nudicaule</i> (☒)***	Bare-stem lomatium/Biscuit root	p	up, wp	Polk	100	8	39,557	2,472
<i>Lomatium utriculatum</i> (☒)***	Spring gold	p	hb, up	Marion	130	11	277,765	17,360
<i>Lotus micranthus</i> (☒) (new crop 2009)	Small-flowered deervetch	a	hb, up	Marion			156,551	9,784
<i>Lotus unifoliolatus</i> var. <i>unifoliolatus</i> ( <i>L. purshianus</i> ) (☒)***	Spanish-clover	a	up, wp	Willamette Valley (multiple sites)	65	6	86,806	5,425
<i>Lupinus albicaulis</i> (☒)***	Sicklekeel lupine	p	up	Marion, Polk	65	6	27,000	1,688
<i>Lupinus latifolius</i> <b>NEW!</b>	Broadleaf lupine	p	up, ow, mw	Marion		TBD	34,600	2,163
<i>Lupinus polycarpus</i> ( <i>L. micranthus</i> ) (☒)***	Small-flowered lupine	a	up	Marion	110	9	58,580	3,661
<i>Lupinus polyphyllus</i> (☒)***	Bigleaf lupine	p	wp	Marion	65	6	28,700	1,794
<i>Lupinus rivularis</i> (☒)	Streambank lupine	p	d, wp	Linn, Marion, Polk	65	6	30,266	3,661
<i>Madia elegans</i> (☒) <b>OZ AND MIXES</b>	Showy tarweed	a	hb, up	Benton, Lane, Polk		25	213,145	13,322

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Species	Common Name	Type	Habitat	Source (County)	\$ / lb.	\$ / oz.	Seeds / lb.	Seeds / oz.
<i>Madia gracilis</i> (M)	Common/Grassy tarweed	a	up	Linn, Marion, Polk	85	8	730,000	45,625
<i>Perideridia montana</i> ( <i>P. gairdneri</i> ) <b>NEW!</b> (crop 2010)	Common (Gairdner's) yampah	p	wp, up	Marion	TBD		877,928	54,871
<i>Perideridia oregana</i> (M)	Oregon yampah	p	wp	Linn, Marion	140	11	472,500	29,531
<i>Phlox (Microsteris) gracilis</i> (M) <b>NEW!</b> (crop 2009)	Pink microsteris/Slender phlox	a	hb, up, wp	Marion	TBD		416,392	26,025
<i>Plagiobothrys figuratus</i> (M) (crop 2009)	Fragrant popcorn flower	a	vp, wp	Linn, Marion	130	11	1,297,142	81,071
<i>Plectritis congesta</i> (M)	Seablush/Rosy plectritis	a	hb, up, wp	Linn, Lane, Marion	145	12	1,311,698	81,981
<i>Potentilla glandulosa</i> (M)***	Sticky cinquefoil	p	hb, up	Polk	100	8	1,135,000	70,938
<i>Potentilla gracilis</i> (M)***	Slender cinquefoil	p	up, wp	Linn, Marion	120	10	1,417,469	88,592
<i>Prunella vulgaris</i> var. <i>lanceolata</i> (M)	Lance self-heal	p	ow, up, wp	Benton, Linn, Marion, Polk	80	8	739,368	46,211
<i>Ranunculus occidentalis</i> (M)	Western buttercup	p	up, wp	Linn, Marion	130	11	222,000	13,875
<i>Ranunculus orthorhynchus</i> (M)	Straightbeak buttercup	p	wp	Willamette Valley (multiple sites)	130	11	141,924	8,870
<i>Ranunculus uncinatus</i> <b>NEW!</b> (crop 2009)	Little buttercup	p	mw, ow, wp	Marion, Lane	TBD		292,903	18,306
<i>Rupertia physodes</i> ( <i>Psoralea p.</i> ) (M)	Scurf pea	p	mw, ow, up	Marion	150	12	21,050	1,316
<i>Sanguisorba annua</i> ( <i>S. occidentalis</i> ) (M)	Western burnet	a	up, wp	Linn, Marion	65	6	242,780	15,174
<i>Saxifraga oregana</i> (M) <b>NEW!</b> (crop 2009)	Oregon saxifrage	p	wp	Linn, Marion		TBD	14,057,541	878,596
<i>Sidalcea campestris</i> (M)***	Meadow checkerbloom	p	ow, up, wp	Linn, Marion	180	15	100,000	6,250
<i>Sidalcea malviflora</i> ssp. <i>virgata</i> (M)	Rose checkermallow/ Dwarf checkerbloom	p	up	Linn, Marion	185	15	133,000	8,313
<i>Solidago canadensis</i> (M) *** <b>OZ AND MIXES</b>	Canadian goldenrod	p	d, up	Marion		20	1,300,000	81,250
<i>Symphotrichum hallii</i> ( <i>Aster h.</i> ) (M) <b>MIXES ONLY</b>	Hall's aster	p	up, wp	Marion	n/a	n/a	2,640,000	165,000
<i>Thermopsis gracilis</i> (M) <b>NEW!</b> (crop 2009)	Slender goldenbanner	p	mw	Marion	TBD			
<i>Trifolium willdenovii</i> ( <i>T. tridentatum</i> ) (M) (crop 2009)	Tomcat clover	a	hb, up	Marion	TBD		319,719	19,982

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Species	Common Name	Type	Habitat	Source (County)	\$ / lb.	\$ / oz.	Seeds / lb.	Seeds /oz.
<i>Triteleia hyacinthina</i> & <i>Dichelostemma congestum</i> (mixed)	Hyacinth brodieae & Ookow	p	up	Linn, Marion	210	17	333,000	20,813
<i>Viola adunca</i> (☒)***	Early blue violet	p	up	Marion		45	686,488	42,906
<i>Viola praemorsa</i> (☒)***	Prairie violet	p	up	Marion		45	168,148	10,509
<i>Wyethia angustifolia</i> (☒)***	Mules ear/ California compass plant	p	up, wp	Polk Co (Dallas, Buell)		35	33,230	2,077

### Notes

All seed is commercially grown from wild collected seed. Seed collected under the supervision of our staff botanist.

The most current taxonomic classification is given with pertinent synonyms in parenthesis.

# Native Willamette Valley Seed Mixes-2008 Prices

Available in 1 PLS lb and 1/2 PLS lb increments (actual delivery weight with be bulk)

Custom blending, mixing available upon request. Mixes are subject to change depending on availability of species

Suggested seeding rates are for drilled seed and are in PLS pounds; amounts should be doubled for broadcast

Please see Seeding Rates and Sowing Methods for Details (under the Native Page "supporting documents")

## Seed Mixes

### Upland Diversity Mixes

Upland Prairie Flowers 1 \$140/lb & 84/ half lb 6-8 PLS lb/acre = 20-30 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Forbs (100%)</b>			
<i>Aquilegia formosa</i>	p	8	
<i>Camassia leichtlinii</i>	p	8	
<i>Clarkia amoena</i>	a	6	
<i>Collomia grandiflora</i>	a	4	
<i>Gilia capitata</i>	a	6	
<i>Ligusticum apiifolium</i>	p	10	
<i>Lomatium utriculatum</i>	p	12	
<i>Lotus unifoliolatus</i>	a	6	
<i>Lupinus polycarpus</i> ( <i>L. micranthus</i> )	a	4	
<i>Potentilla gracilis</i>	p	16	
<i>Ranunculus occidentalis</i>	p	10	
<i>Sidalcea malviflora</i> ssp. <i>virgata</i>	p	10	

Upland Prairie Flowers 2 \$111/lb & \$67/half lb 7-10 PLS lb/acre = 16-24 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Forbs (100%)</b>			
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	a	5	
<i>Collinsia grandiflora</i>	a	5	
<i>Eriophyllum lanatum</i>	p	12	
<i>Gilia capitata</i>	a	5	
<i>Lomatium nudicaule</i>	p	16	
<i>Lotus unifoliolatus</i>	a	6	
<i>Lupinus albicaulus</i>	p	4	
<i>Madia gracilis</i>	a	3	
<i>Potentilla glandulosa</i>	p	16	
<i>Prunella vulgaris</i> var. <i>lanceolata</i>	p	14	
<i>Ranunculus occidentalis</i>	p	14	

Upland Prairie Flowers 3 \$163/lb & \$98/half lb 5-7 PLS lb/ac = 21-30 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Forbs (100%)</b>			
<i>Achillea millefolium</i>	p	10	
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	a	6	
<i>Dichelostemma congestum</i> / <i>Triteleia hyacinthina</i> MIX	p	14	
<i>Gilia capitata</i>	a	4	
<i>Lomatium dissectum</i>	p	6	
<i>Lotus unifoliolatus</i>	a	4	
<i>Lupinus polycarpus</i> ( <i>L. micranthus</i> )	a	4	
<i>Madia elegans</i>	a	2	
<i>Perideridia oregana</i>	p	16	
<i>Ranunculus occidentalis</i>	p	16	
<i>Sanguisorba annua</i> ( <i>S. occidentalis</i> )	a	4	
<i>Sidalcea campestris</i>	p	14	

Tough and Tenacious Mix \$124/lb & \$74/half lb (hardy perennial forb emphasis) 12-14 PLS lb/ac = 17-20 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Forbs (100%)</b>			
<i>Achillea millefolium</i>	p	10	
<i>Collomia grandiflora</i>	a	6	
<i>Eriophyllum lanatum</i>	p	11	
<i>Gilia capitata</i>	a	6	
<i>Lomatium nudicaule</i>	p	12	
<i>Lotus unifoliolatus</i>	a	6	
<i>Lupinus albicaulus</i>	p	9	
<i>Madia gracilis</i>	a	6	
<i>Potentilla gracilis</i>	p	10	
<i>Prunella vulgaris</i> var. <i>lanceolata</i>	p	10	
<i>Rupertia physodes</i>	p	5	
<i>Sidalcea campestris</i>	p	9	

Upland Diversity Mixes cont.

Diverse Prairie Mix \$124/lb & \$74/half lb 6-9 PLS lb/ac = 23-34 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Grasses (50%)</b>			
<i>Elymus glaucus</i>	p	4	
<i>Elymus trachycaulus</i>	p	4	
<i>Festuca roemerii</i>	p	14	
<i>Koeleria macrantha</i>	p	14	
<i>Poa secunda</i>	p	14	
<b>Forbs (50%)</b>			
<i>Achillea millefolium</i>	p	4	
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	a	3	
<i>Collomia grandiflora</i>	a	3	
<i>Eriophyllum lanatum</i>	p	4	
<i>Gilia capitata</i>	a	3	
<i>Ligusticum apiifolium</i>	p	5	
<i>Lomatium dissectum</i>	p	3	
<i>Lupinus albicaulus</i>	p	3	
<i>Madia elegans</i>	a	3	
<i>Potentilla gracilis</i>	p	5	
<i>Prunella vulgaris</i> var. <i>lanceolata</i>	p	5	
<i>Ranunculus occidentalis</i>	p	5	
<i>Sidalcea malviflora</i> ssp. <i>virgata</i>	p	4	

Note: The area should be free of competing vegetation and have a low weed seed bank; sow in the fall prior to the leaves falling.

Oak Woodland Understory \$144/lb & \$86/half lb 6-9 PLS lb/ac = 20-30 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Grasses (50%)</b>			
<i>Elymus glaucus</i>	p	15	
<i>Festuca californica</i>	p	35	
<b>Forbs (50%)</b>			
<i>Achillea millefolium</i>	p	3	
<i>Aquilegia formosa</i>	p	5	
<i>Artemisia douglasiana</i>	p	1	
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	a	4	
<i>Collinsia grandiflora</i>	a	4	
<i>Eriophyllum lanatum</i>	p	3	
<i>Geum macrophyllum</i>	p	3	
<i>Ligusticum apiifolium</i>	p	5	
<i>Lomatium dissectum</i>	p	3	
<i>Madia elegans</i>	a	4	
<i>Prunella vulgaris</i> var. <i>lanceolata</i>	p	3	
<i>Ranunculus occidentalis</i>	p	4	
<i>Rupertia physodes</i>	p	3	
<i>Sidalcea campestris</i>	p	5	

Specialty Mixes

l = larval host; n = nectar

Butterfly Flower Mix - Tall \$122/lb & \$73/half lb 12-14 PLS lb/ac = 15-18 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Forbs (100%)</b>			
<i>Achillea millefolium</i> [l] [n]	p	6	
<i>Artemisia douglasiana</i> [l] [n]	p	6	
<i>Camassia leichtlinii</i> [n]	p	8	
<i>Collomia grandiflora</i> [n]	a	4	
<i>Eriophyllum lanatum</i> [n]	p	8	
<i>Grindelia integrifolia</i> [n]	p	6	
<i>Lomatium dissectum</i> [l] [n]	p	8	
<i>Lotus unifoliolatus</i> ( <i>L. purshianus</i> ) [l]	a	4	
<i>Lupinus albicaulus</i> [l]	p	8	
<i>Lupinus polyphyllus</i> [l] [n]	p	6	
<i>Lupinus rivularis</i> [l] [n]	p	6	
<i>Madia elegans</i> [n]	a	4	
<i>Plagiobothrys figuratus</i> [n]	a	6	
<i>Plectritis congesta</i> [n]	a	6	
<i>Sidalcea campestris</i> [l] [n]	p	8	
<i>Solidago canadensis</i> [n]	p	6	

Butterfly Flower Mix - Tall + Grass \$118/lb & \$71/half lb 8-11 PLS lb/ac = 19-26 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Grasses (50%)</b>			
<i>Festuca roemerii</i>	p	25	
<i>Koeleria macrantha</i>	p	25	
<b>Forbs (50%)</b>			
Same species in relative proportion			

Specialty Mixes cont.

l = larval hose; h = nectar

Butterfly Flower Mix - Short \$143/lb & \$86/half lb 6-9 PLS lb/ac = 18-27 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Forbs (100%)</b>			
<i>Allium amplexans</i> [n]	p	6	
<i>Collomia grandiflora</i> [n]	a	6	
<i>Iris tenax</i> [n]	p	8	
<i>Lomatium nudicaule</i> [l]	p	8	
<i>Lomatium utriculatum</i> [n]	p	8	
<i>Lotus unifoliolatus</i> ( <i>L. purshianus</i> ) [l]	a	6	
<i>Madia elegans</i> [n]	a	6	
<i>Plagiobothrys figuratus</i> [n]	a	6	
<i>Plectritis congesta</i> [n]	a	6	
<i>Potentilla gracilis</i> [l]	p	10	
<i>Prunella vulgaris</i> var. <i>lanceolata</i> [n]	p	8	
<i>Ranunculus occidentalis</i> [n]	p	8	
<i>Sidalcea malviflora</i> ssp. <i>virgata</i> [l] [n]	p	8	
<i>Viola adunca</i> [l]	p	6	

Butterfly Flower Mix - Short + Grass \$131/lb & \$79/half lb 4-6 PLS lb/ac = 21-31 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Grasses (50%)</b>			
<i>Festuca roemerii</i>	p	50	
<i>Koeleria macrantha</i>	p	50	
<b>Forbs (50%)</b>			
Same species in relative proportion			

Annual Color Mix [great for borders!] \$116/lb & \$70/half lb 6-9 PLS lb/acre = 35-52 seed/ft <sup>2</sup> Higher rate for maximum color		a/p	% of species in mix
<b>Forbs (100%)</b>			
<i>Clarkia amoena</i>	a	14	
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	a	12	
<i>Collinsia grandiflora</i>	a	10	
<i>Collomia grandiflora</i>	a	10	
<i>Epilobium densiflorum</i>	a	12	
<i>Gilia capitata</i>	a	12	
<i>Lupinus polycarpus</i> ( <i>L. micranthus</i> )	a	10	
<i>Madia elegans</i>	a	5	
<i>Plagiobothrys figuratus</i>	a	5	
<i>Plectritis congesta</i>	a	10	

Mixes Only Needing a Short Cold Period Prior to Germination

Disturbed Ground/ Late Seeding Mix \$85/lb & \$51/half lb 6-9 PLS lb/ac = 20-30 seeds/ft <sup>2</sup>		% of species in mix
	a/p	
<b>Forbs (100%)</b>		
<i>Achillea millefolium</i>	p	14
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i>	a	4
<i>Collinsia grandiflora</i>	a	3
<i>Collomia grandiflora</i>	a	3
<i>Eriophyllum lanatum</i>	p	14
<i>Gilia capitata</i>	a	3
<i>Lomatium utriculatum</i>	p	13
<i>Lotus unifoliolatus</i>	a	3
<i>Lupinus rivularis</i>	p	11
<i>Madia gracilis</i>	a	3
<i>Prunella vulgaris</i> var. <i>lanceolata</i>	p	14
<i>Sanguisorba annua</i> ( <i>S. occidentalis</i> )	a	3
<i>Solidago canadensis</i>	p	12

Disturbed Ground/ Late Seeding Mix + Grass \$77/lb & \$46/half lb 4-6 PLS lb/ac = 24-36 seeds/ft <sup>2</sup>		% of species in mix
	a/p	
<b>Grasses (50%)</b>		
<i>Elymus trachycaulus</i>	p	5
<i>Festuca roemerii</i>	p	15
<i>Koeleria macrantha</i>	p	14
<i>Poa secunda</i> ( <i>P. scabrella</i> )	p	16
<b>Forbs (50%)</b>		
Same species in relative proportion		

Wet Prairie Mixes

Wetland Prairie Flowers 1 \$116/lb & \$70/half lb 6-9 PLS lb/ac = 19-29 seeds/ft <sup>2</sup>		% of species in mix
	a/p	
<b>Forbs (100%)</b>		
<i>Achillea millefolium</i>	p	5
<i>Camassia leichtlinii</i>	p	12
<i>Clarkia amoena</i>	a	4
<i>Epilobium densiflorum</i>	a	5
<i>Grindelia integrifolia</i>	p	13
<i>Lupinus rivularis</i>	p	5
<i>Madia elegans</i>	a	3
<i>Perideridia oregana</i>	p	7
<i>Plagiobothrys figuratus</i>	a	2
<i>Plectritis congesta</i>	a	5
<i>Potentilla gracilis</i>	p	9
<i>Prunella vulgaris</i> var. <i>lanceolata</i>	p	10
<i>Ranunculus orthorhyncus</i>	p	12
<i>Sanguisorba annua</i> ( <i>S. occidentalis</i> )	a	5
<i>Symphyotrichum hallii</i>	p	3

Wetland Prairie Flowers 1 + Grass
With 50% <i>Danthonia californica</i> <b>\$82 /lb &amp; \$49/ half lb</b> 7-10 PLS lb/ac = 22-32 seeds/ft <sup>2</sup>
<b>Forbs (50%)</b>
Same species in relative proportion

With 50% <i>Deschampsia cespitosa</i> <b>\$112/lb &amp; \$67/half lb</b> 4-6 PLS lb/ac = 23-35 seeds/ft <sup>2</sup>
<b>Forbs (50%)</b>
Same species in relative proportion

Wet Prairie Mixes cont.

Wetland Prairie Flowers 2 \$104/lb & \$62/half lb 5-7 PLS lb/ac = 21-29 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Forbs (100%)</b>			
<i>Allium amplexans</i>	p		9
<i>Clarkia purpurea ssp. quadrivulnera</i>	a		5
<i>Dodecatheon pulchellum</i>	p		9
<i>Epilobium densiflorum</i>	a		5
<i>Eriophyllum lanatum</i>	p		9
<i>Geum macrophyllum</i>	p		9
<i>Lotus unifoliolatus</i>	a		5
<i>Lupinus polyphyllus</i>	p		9
<i>Perideridia oregana</i>	p		10
<i>Plectritis congesta</i>	a		5
<i>Potentilla gracilis</i>	p		10
<i>Ranunculus orthorhyncus</i>	p		10
<i>Sanguisorba annua</i> ( <i>S. occidentalis</i> )	a		5

Wetland Prairie Flowers 2 + Grasses
With 50% <i>Danthonia californica</i> <b>\$71/lb &amp; \$43/half lb</b> 6-8 PLS/ac = 23-31 seeds/ft <sup>2</sup>
<b>Forbs (50%)</b>
Same species in relative proportion

With 50% <i>Deschampsia cespitosa</i> <b>\$96/lb &amp; \$58/half lb</b> 3-5 PLS/ac = 22-37 seeds/ft <sup>2</sup>
<b>Forbs (50%)</b>
Same species in relative proportion

Note: Do not drill this mix. Sedge and rush species need light and high soil temperatures to germinate. We recommend a late-winter broadcast sowing (forbs on list do not need long stratification period).

Wetland Sedge Meadow Mix + Forbs \$131/lb & \$79/half lb 2-3 PLS/ac = 25-37 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Graminoids (50%)</b>			
<i>Carex scoparia</i>	g		5
<i>Carex stipata</i>	g		12.5
<i>Carex unilateralis</i>	g		12.5
<i>Deschampsia cespitosa</i>	p		12.5
<i>Juncus tenuis</i>	g		7.5
<b>Forbs (50%)</b>			
<i>Achillea millefolium</i>	p		9
<i>Clarkia amoena</i>	a		2
<i>Clarkia purpurea ssp. quadrivulnera</i>	a		2
<i>Epilobium densiflorum</i>	a		5
<i>Eriophyllum lanatum</i>	p		9
<i>Geum macrophyllum</i>	p		10
<i>Lotus unifoliolatus</i>	a		3
<i>Ranunculus orthorhyncus</i>	p		10

Wetland Sedge Meadow Mix \$171/lb & \$103/half lb 1-2 PLS/ac = 25-50 seeds/ft <sup>2</sup>		a/p	% of species in mix
<b>Graminoids (100%)</b>			
<i>Carex scoparia</i>	g		10
<i>Carex stipata</i>	g		25
<i>Carex unilateralis</i>	g		25
<i>Deschampsia cespitosa</i>	p		25
<i>Juncus tenuis</i>	g		15