

Plants for Pollinators and Other Beneficial Insects: Wildlife Habitat Planting (420)
MLRA 2 (Willamette Valley)

Common Name	Scientific Name	Bloom Period			Bloom Color	Mature Height (ft)	Plant Spacing (ft)	Seeds/lb	seeds/ft when using 1 lb/acre	Annual or Perennial	Seed	Container	"All Stars"	Notes
		early	mid	late										
Herbaceous Plants for Pollinators and Beneficial Insects														
western yarrow	<i>Achillea millefolium var. occidentalis</i>		x		white	3	3	1,418,900	33	Perennial	X	X		4
American bird's-foot trefoil	<i>Acmispon americanus (Lotus purshianus)</i>		x	x	pink	1.5		86,800	2	Annual	X			4
western columbine	<i>Aquilegia formosa</i>		x		red/yellow	3	3	248,000	6	Perennial	X	X	X	1,6
narrowleaf milkweed	<i>Asclepias fascicularis</i>			x	pink	3	3	n/a		Perennial		X	X	2,3,5
showy milkweed	<i>Asclepias speciosa</i>			x	pink	5	3	n/a		Perennial		X	X	2,3,5
Deltoid balsamroot	<i>Balsamorhiza deltoidea</i>		x		yellow	2.5	2	n/a		Perennial		X		1
fireweed	<i>Chamaenerion angustifolium</i>		x	x	magenta	6	3	n/a		Perennial		X	X	2,4,6
farewell to spring	<i>Clarkia amoena</i>		x		pink	2		1,031,800	24	Annual	X		X	
common woolly sunflower	<i>Eriophyllum lanatum var. leucophyllum</i>		x		yellow	1	3	1,169,000	27	Perennial		X	X	
sanddune wallflower	<i>Erysimum capitatum var. capitatum</i>	x			orange	2.5	3	n/a		Perennial		X		
California poppy	<i>Eschscholzia californica</i>	x	x	x	orange	2		300,000	7	Annual	X		X	
bluehead gilia	<i>Gilia capitata spp. capitata</i>		x		blue	1.5		1,008,800	23	Annual	X			
Puget Sound gumweed	<i>Grindelia integrifolia</i>		x	x	yellow	2		127,500	3	Biennial	X		X	
two-color lupine	<i>Lupinus bicolor</i>	x			purple	1		58,590	1	Annual	X			3,8
broadleaf lupine	<i>Lupinus latifolius var. latifolius</i>		x		purple	3	3	n/a		Perennial		X		3,8
bigleaf lupine	<i>Lupinus polyphyllus var. polyphyllus</i>		x		purple	3	4	28,700	1	Perennial	X	X	X	2,3,8
river lupine	<i>Lupinus rivularis</i>	x			purple	3.5	4	31,000	1	Biennial	X		X	4,8
showy tarweed	<i>Madia elegans</i>			x	yellow	3	1	213,000	5	Annual	X			4,7
cascade penstemon	<i>Penstemon serrulatus</i>		x		purple	2	3	n/a		Perennial		X		1,6
varileaf phacelia	<i>Phacelia heterophylla</i>		x		cream	2	2	n/a		Perennial		X	X	
rosy plectritis	<i>Plectritis congesta</i>	x			cream	1.5		1,311,000	30	Annual	X			
sticky cinquefoil	<i>Potentilla glandulosa</i>		x		cream	2	2	1,135,000	26	Perennial	X	X		
slender cinquefoil	<i>Potentilla gracilis</i>		x		yellow	2.4	2	1,417,400	33	Perennial	X	X		
lanceleaf selfheal	<i>Prunella vulgaris var. lanceolata</i>		x		purple	2	2	400,000	9	Perennial	X	X	X	

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Common Name	Scientific Name	Bloom Period			Bloom Color	Mature Height (ft)	Plant Spacing (ft)	Seeds/lb	seeds/ft when using 1 lb/acre	Annual or Perennial	Seed	Container	"All Stars"	Notes
		early	mid	late										
western buttercup	<i>Ranunculus occidentalis</i> var. <i>occidentalis</i>	x			yellow	1	2	200,000	5	Perennial	X			3,4
meadow checker-mallow	<i>Sidalcea campestris</i>		x		pink	4	4	100,000	2	Perennial	X	X	X	
rose checkerbloom	<i>Sidalcea malviflora</i> ssp. <i>virgata</i>	x			pink	3	3	133,000	3	Perennial	X	X	X	
west coast goldenrod	<i>Solidago elongata</i>			x	yellow	3	3	4,000,000	92	Perennial	X	X	X	2
western Canada goldenrod	<i>Solidago lepida</i> var. <i>salebrosa</i>			x	yellow	3.5	3	4,000,000	92	Perennial	X	X	X	2
Douglas aster	<i>Symphyotrichum</i> (Aster) <i>subspicatum</i> var. <i>subspicatum</i>			x	lavendar	3	4	2,640,000	61	Perennial	X	X	X	2
California compassplant	<i>Wyethia angustifolia</i>		x		yellow	2.5	3	n/a		Perennial		X		1
Native Grasses for Seeding (Keep to <25% of the Mix)														
California oatgrass	<i>Danthonia californica</i>					2		140,000	3	Perennial	X		X	
slender hairgrass	<i>Deschampsia elongata</i>					2		1,860,000	43	Perennial	X		X	
Roemer's fescue - var. roemerii	<i>Festuca roemerii</i> var. <i>roemerii</i>					2		500,000	11	Perennial	X		X	
<p>*Adapted from tables in <i>Technical Note 13: Plants for Pollinators in Oregon</i> (Pendergrass et al., 2008), with additional data from Plant Guides and Plant Characteristics on the PLANTS Database (www.plants.usda.gov). Other plants not found on this list may be suitable for your project. Plant selections in this table are based on the assumption that planting will be done in an open area with ample sunlight and good drainage. If there are other site conditions (e.g. shade, wetland), a specialized plant list would be needed. All-star plants establish well and provide good nectar and/or pollen for pollinators. Seed is available for many species but planting plugs/containers may be desired over planting seed of a species - to assure good spacing of plants within the planting area.</p> <p>Notes: 1/ slow to establish and spread; 2/ will spread and expand from rhizomes once established; 3/ known or potential toxic properties to livestock, do not plant where grazing will occur; 4/ Can spread to extent to be weedy, do not seed heavily; 5/ Monarch butterfly host plant; 6/ attracts humming birds; 7/ attracts other birds; 8/ fixes nitrogen.</p> <p>Seedings - the plan should aim for a total seeding rate of 60-140 seeds per square foot, depending on potential for weed competition. If site is very clean, seeding can succeed at lower-end values. If interseeding between plug or container plantings, plant at a reduced rate. A good example pollinator seed mix recommendation is available for MLRA 2 in Oregon FOTG in 420 practice folder. If preparing seed mixes, refer to this publication - "How to Choose a Good Pollinator Seed Mix" at: https://www.nrcs.usda.gov/Internet/FSE_PLANTMATERIALS/publications/orpmcbr13465.pdf</p> <p>If planting woody plants, refer to plant tables in Hedgerow Practice 422</p>														

**Plants for Pollinators and Other Beneficial Insects: Wildlife Habitat Planting (420)
MLRA 5 (~Siskiyou Ecoregion)**

Common Name	Scientific Name	Bloom Period			Bloom Color	Mature Height (ft)	Plant Spacing (ft)	Seeds/lb	seeds/ft when using 1 lb/acre	Annual or Perennial	Seed	Container	Precip Min	"All Stars"	Notes
		early	mid	late											
Herbaceous Plants for Pollinators and Beneficial Insects															
western yarrow	<i>Achillea millefolium var. occidentalis</i>		x	x	white	3	2	1,418,900	33	Perennial	X	X	8		4
American bird's-foot trefoil	<i>Acmispon americanus (Lotus purshianus)</i>		x	x	pink	1.5		86,800	2	Annual	X		15		4
nettleleaf giant hyssop	<i>Agastache urticifolia</i>		x		purple	4	2	n/a		Perennial		X	18	X	6
western columbine	<i>Aquilegia formosa</i>		x		red/yellow	3		248,000	6	Perennial	X	X	15	X	1, 6
narrowleaf milkweed	<i>Asclepias fascicularis</i>			x	pink	4	3	n/a		Perennial		X	10	X	2,3,5
showy milkweed	<i>Asclepias speciosa</i>			x	pink	5	3	n/a		Perennial		X	12	X	2,3,5
Deltoid balsamroot	<i>Balsamorhiza deltoidea</i>	x			yellow	2.5	2	n/a		Perennial		X	6		1
Douglas' dustymaiden	<i>Chaenactis douglasii var. douglasii</i>		x		white/pink	1.5	1	310,000	7	Biennial/Perennial	X	X	14	X	
fireweed	<i>Chamaenerion angustifolium</i>		x	x	magenta	6	3	n/a		Perennial		X		X	2,4,5
farewell to spring	<i>Clarkia amoena</i>		x		magenta	2		1,031,800	24	Annual	X		25	X	
arrowleaf buckwheat	<i>Eriogonum compositum</i>		x		yellow	2.5	1-2	n/a		Perennial		X	9	X	
sulphur buckwheat	<i>Eriogonum umbellatum</i>		x		yellow	1.5	2	n/a		Perennial		X			
common woolly sunflower	<i>Eriophyllum lanatum var. achilleoides</i>		x		yellow	1	1	1,169,000	27	Perennial		X	10	X	
sanddune wallflower	<i>Erysimum capitatum var. capitatum</i>	x			orange	2.5	3	n/a		Perennial		X	12		
California poppy	<i>Eschscholzia californica</i>	x	x	x	orange	2		300,000	7	Annual	X			X	
bluehead gilia	<i>Gilia capitata spp. capitata</i>	x			blue			1,008,800	23	Annual	X		25		
Lewis flax	<i>Linum lewisii</i>		x		blue	2.5	3	285,000	7	Perennial	X	X	10		
silver lupine	<i>Lupinus albilfrons</i>	x			purple	3	3	n/a		Perennial		X			3,8
two-color lupine	<i>Lupinus bicolor</i>	x			purple	0.5	0.2	58,590	1	Annual	X				3,8
velvet lupine	<i>Lupinus leucophyllus</i>	x			purple	3	3	n/a		Perennial		X			3,8
bigleaf lupine	<i>Lupinus polyphyllus var. polyphyllus</i>		x		purple	3	4	28,700	1	Perennial	X	X		X	2,3,8
river lupine	<i>Lupinus rivularis</i>	x			purple	3.5		31,000	1	Biennial	X			X	4,8
giant blazingstar	<i>Mentzelia laevicaulis</i>			x	yellow	3	3	n/a		Perennial		X			
mountain monardella	<i>Monardella odoratissima</i>			x	purple	1.6	1	n/a		Perennial		X	12	X	
silverleaf phacelia	<i>Phacelia hastata</i>		x		cream	2	2	n/a		Perennial		X	10	X	
varileaf phacelia	<i>Phacelia heterophylla</i>		x		cream	2	2	n/a		Perennial		X	10	X	
sticky cinquefoil	<i>Potentilla glandulosa</i>		x		cream	2	2	1,135,000	26	Perennial	X	X			
slender cinquefoil	<i>Potentilla gracilis</i>		x		yellow	2.4	2	1,417,400	33	Perennial	X	X	20		
lanceleaf selfheal	<i>Prunella vulgaris var. lanceolata</i>		x		purple	2	2	400,000	9	Perennial	X	X	16	X	

MLRA 5 (~Siskiyou Ecoregion)

Common Name	Scientific Name	Bloom Period			Bloom Color	Mature Height (ft)	Plant Spacing (ft)	Seeds/lb	seeds/ft when using 1 lb/acre	Annual or Perennial	Seed	Container	Precip Min	"All Stars"	Notes
		early	mid	late											
western coneflower	<i>Rudbeckia occidentalis</i>		x		yellow	3	3	n/a		Perennial		X		X	
rose checkerbloom	<i>Sidalcea malviflora ssp. asprella</i>	x			pink	3	3	133,000	3	Perennial		X	10	X	
western Canada goldenrod	<i>Solidago lepida var. salebrosa</i>			x	yellow	3.5	3	4,000,000	92	Perennial		X		X	
Douglas aster	<i>Symphotrichum (Aster) subspicatum var. subspicatum</i>			x	lavendar	3	4	2,640,000	61	Perennial		X	19	X	
California compassplant	<i>Wyethia angustifolia</i>		x		yellow	2.5	3	n/a		Perennial		X	22		1
California fuschia	<i>Zauschneria californica</i>			x	red	2	3	n/a		Perennial		X			
Native Grasses for Seeding (Keep to <25% of the Mix)															
California oatgrass	<i>Danthonia californica</i>					2		140,000	3	Perennial	X			X	
slender hairgrass	<i>Deschampsia elongata</i>					2		1,860,000	43	Perennial	X		10	X	
Roemer's fescue - var. roemerii	<i>Festuca roemerii var. roemerii (Roseburg and northward)</i>					2		400,000	9	Perennial	X		18	X	
Roemer's fescue - var. klamathensis	<i>Festuca roemerii var. klamathensis (Roseburg and southward)</i>					2		400,000	9	Perennial	X		18	X	
prairie Junegrass	<i>Koeleria macrantha</i>					2		2,315,000	53	Perennial	X		14	X	
big bluegrass	<i>Poa secunda</i>					1.5		1,200,000	28	Perennial	X		8	X	
beardless or bluebunch wheatgrass	<i>Pseudoroegneria spicata</i>					2		95,000	2	Perennial	X		8	X	

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Notes: 1/ slow to establish and spread; 2/ will spread and expand from rhizomes once established; 3/ known or potential toxic properties to livestock, do not plant where grazing will occur; 4/ Can spread to extent to be weedy, do not seed heavily; 5/ Monarch butterfly host plant; 6/ attracts humming birds; 7/ attracts other birds; 8/ fixes nitrogen.

Seedings - the plan should aim for a total seeding rate of 60-140 seeds per square foot, depending on potential for weed competition. If site is very clean, seeding can succeed at lower-end values. If interseeding between plug or container plantings, plant at a reduced rate. Seed is only sporadically available for most native plants as of April, 2020 in MLRA 5. And there is little demonstration of successful seed mixes. Any seeding should be viewed strictly as a trial and the landowner should be aware of the high risk of establishment failure. If preparing seed mixes, refer to this publication - "How to Choose a Good Pollinator Seed Mix" at: https://www.nrcs.usda.gov/Internet/FSE_PLANTMATERIALS/publications/orpmcbr13465.pdf

If planting woody plants, refer to plant tables in Hedgerow Practice 422

**Plants for Pollinators and Other Beneficial Insects: Wildlife Habitat Planting (420)
MLRA 1 (Coastal Plain) and 4 (Coast Range) of Oregon**

Common Name	Scientific Name	Bloom Period			Bloom Color	Mature Height (ft)	Plant Spacing (ft)	Seeds/lb	seeds/ft when using 1 lb/acre	Annual or Perennial	Seed	Container	"All Stars"	Notes
		early	mid	late										
Herbaceous Plants for Pollinators and Beneficial Insects														
western yarrow	<i>Achillea millefolium var. occidentalis</i>		x	x	white	3	3	1,418,900	33	Perennial	X	X		4
American bird's-foot trefoil	<i>Acmispon americanus (Lotus purshianus)</i>		x	x	pink	2		86,800	2	Annual	X			4,8
western pearly everlasting	<i>Anaphalis margaritacea</i>			x	white	2	3	n/a		Perennial		X		1
western columbine	<i>Aquilegia formosa</i>		x		red/yellow	3	3	248,000	6	Perennial	X	X		1,6
fireweed	<i>Chamaenerion angustifolium</i>		x	x	magenta	6	3	n/a		Perennial		X	X	2,6
farewell to spring	<i>Clarkia amoena</i>		x		pink	2		1,031,800	24	Annual	X		X	
seaside fleabane	<i>Erigeron glaucus</i>			x	lavendar	1.5	3	n/a		Perennial		X		1
common woolly sunflower	<i>Eriophyllum lanatum var. leucophyllum</i>		x		yellow	1	3	1,169,000	27	Perennial	X	X	X	
sanddune wallflower	<i>Erysimum capitatum var. capitatum</i>	x			orange	2.5	3	n/a		Perennial		X		
California poppy	<i>Eschscholzia californica</i>	x	x	x	orange	2		300,000	7	Annual	X		X	
bluehead gilia	<i>Gilia capitata spp. capitata</i>	x			blue	2		1,008,800	23	Annual	X			
broadleaf lupine	<i>Lupinus latifolius var. latifolius</i>		x		purple	3	3	n/a		Perennial		X		3,8
bigleaf lupine	<i>Lupinus polyphyllus var. polyphyllus</i>		x		purple	3	4	28,700	1	Perennial	X	X	X	2,3,4,8
river lupine	<i>Lupinus rivularis</i>		x		purple	3.5	4	31,000	1	Biennial	X		X	4,8
varileaf phacelia	<i>Phacelia heterophylla</i>		x		cream	2	2	n/a		Perennial		X	X	
rosy plectritis	<i>Plectritis congesta</i>	x			pink	1.5		1,311,000	30	Annual	X			
slender cinquefoil	<i>Potentilla gracilis</i>		x		yellow	2.4	2	1,417,400	33	Perennial	X	X		
lanceleaf selfheal	<i>Prunella vulgaris var. lanceolata</i>		x		purple	2	2	400,000	9	Perennial	X	X	X	
western buttercup	<i>Ranunculus occidentalis var. occidentalis</i>	x			yellow	1	2	200,000	5	Perennial	X			3,4
bristly checkerbloom	<i>Sidalcea hirtipies</i>	x			pink	3	3	n/a		Perennial		X	X	
west coast goldenrod	<i>Solidago elongata</i>		x	x	yellow	3	3	n/a		Perennial		X	X	2
Pacific aster	<i>Symphotrichum chilensis</i>			x	lavendar	3	3	n/a		Perennial		X		2
Native Grasses for Seeding (Keep to <25% of the Mix based on #seeds/square foot)														
California oatgrass	<i>Danthonia californica</i>					2		140,000	3	Perennial	X		X	
slender hairgrass	<i>Deschampsia elongata</i>					2		1,860,000	43	Annual	X		X	
Roemer's fescue - var. roemeri	<i>Festuca roemeri var. roemeri</i>					2		500,000	11	Perennial	X		X	

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Seedings: the plan should aim for a total seeding rate of 60-140 seeds per square foot, depending on potential for weed competition. If your site is very clean, seeding can succeed at lower-end values. If interseeding between plug or container plantings, plant at a reduced rate. Seed is only sporadically available for most native plants as of April, 2020 in MLRAs 1 and 4. And there is little demonstration of successful seed mixes. Any seeding should be viewed strictly as a trial and the landowner should be aware of the high risk of establishment failure. If preparing seed mixes, refer to this publication - "How to Choose a Good Pollinator Seed Mix" at: https://www.nrcs.usda.gov/Internet/FSE_PLANTMATERIALS/publications/orpmcbr13465.pdf

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