

**PILOT SEED MIXES:**

These new “Pilot” seed mixes have been developed for a variety of restoration, conservation and stormwater uses. Goals were to meet the needs of common project types and to create direction for emerging topics such as biofuels, buffers, conservation grazing, and pollinators. All of the mixes were developed for specific functions and incorporate pollinator habitat to the extent possible. The mixes will remain as pilot mixes for a few years until we understand how they are performing before we work to make them official state mixes. In many cases these mixes should be considered starting points for developing site specific mixes.

Note: Oats cover crop is included as a component of these seed mixes with the exception of some wetland mixes where cover species are not necessary. Winter wheat (at a similar rate to oats) may be selected in some cases where germination is needed later in the fall, followed by further green-up the following spring (oats will not come back the follow spring unless it re-establishes from seed).

Finalized

## Beneficial Insects South & West

Function: Pollinator

Intent: Establishment of diverse vegetation for beneficial insects in agricultural areas

Planting Area: S & W

Specialization:

Scientific Name	Common Name	Seeds/ sq ft	Rate (lb/ac)	% Mix (by sqft)	% Mix (by wt)
<b>Cover</b>					
Avena sativa	Oats* (See Cover crop note)	11.14	37.91		
Total Guild:		11.14	37.91	12.79%	82.3%

**Forb**

Achillea millefolium	Common Yarrow	2	0.03		
Agastache foeniculum	Blue Giant Hyssop	2.1	0.06		
Allium stellatum	Prairie Wild Onion	0.28	0.07		
Amorpha canescens	Lead Plant	0.37	0.06		
Asclepias syriaca	Common Milkweed	0.16	0.11		
Asclepias tuberosa	Butterfly Milkweed	0.071	0.04		
Asclepias verticillata	Whorled Milkweed	0.1	0.02		
Coreopsis palmata	Bird's Foot Coreopsis	0.15	0.04		
Drymocallis arguta	Tall Cinquefoil	5.3	0.06		
Echinacea angustifolia	Narrow-leaved Purple Conefl	0.115	0.04		
Helenium autumnale	Autumn Sneezeweed	2.98	0.06		
Helianthus maximilianii	Maximilian's Sunflower	0.3	0.06		

<i>Helianthus pauciflorus</i>	Stiff Sunflower	0.074	0.05
<i>Heliopsis helianthoides</i>	Ox-eye	0.9	0.39
<i>Liatris aspera</i>	Rough Blazing Star	0.37	0.06
<i>Liatris ligulistylis</i>	Northern Plains Blazing Star	0.19	0.05
<i>Monarda fistulosa</i>	Wild Bergamot	1.2	0.05
<i>Monarda punctata</i>	Horsemint	0.7	0.02
<i>Oligoneuron rigidum</i>	Stiff Goldenrod	0.94	0.06
<i>Penstemon digitalis</i>	Foxglove Beardtongue	2.98	0.06
<i>Penstemon grandiflorus</i>	Large-flowered Beard Tongue	0.4	0.08
<i>Pycnanthemum virginianum</i>	Virginia Mountain Mint	3.81	0.05
<i>Rudbeckia hirta</i>	Black-eyed Susan	0.7	0.05
<i>Sisyrinchium campestre</i>	Field Blue-eyed Grass	0.2	0.03
<i>Solidago speciosa</i>	Showy Goldenrod	1.6	0.05
<i>Symphotrichum ericoides</i>	Heath Aster	1.7	0.02
<i>Symphotrichum laeve</i>	Smooth Aster	1.1	0.05
<i>Symphotrichum novae-angliae</i>	New England Aster	1	0.04
<i>Tradescantia bracteata</i>	Bracted Spiderwort	0.23	0.06
<i>Verbena hastata</i>	Blue Vervain	7	0.20
<i>Zizia aptera</i>	Heart-leaved Alexanders	0.26	0.06
<i>Zizia aurea</i>	Golden Alexanders	0.82	0.20

Total Guild:	40.10	2.28	46.04%	4.9%
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### Graminoid

<i>Bouteloua curtipendula</i>	Side-oats Grama	3	1.36
<i>Elymus canadensis</i>	Canada Wild Rye	2	1.05
<i>Koeleria macrantha</i>	Junegrass	17	0.23
<i>Schizachyrium scoparium</i>	Little Bluestem	8	1.45
<i>Sporobolus heterolepis</i>	Prairie Dropseed	1.85	0.31

Total Guild:	31.85	4.40	36.57%	9.6%
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### Legume

<i>Chamaecrista fasciculata</i>	Partridge Pea	1	1.01
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Dalea candida	White Prairie Clover	1.5	0.21		
Dalea purpurea	Purple Prairie Clover	1.5	0.27		
	Total Guild:	4	1.49	4.59%	3.2%
	Total Seed Mix:	87.09	46.08		