

BWSR Pilot Seed Mixes

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 couple 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

Pollinator Plots Southeast

Function: Pollinator

Intent: Diverse pollinator habitat establishment for conservation plantings a few acres in size in southeast MN

Planting Area: SE

Specialization: NRCS 327 Jobsheet #16

Scientific Name	Common Name	Seeds/ sq ft	Rate (lb/ac)	% Mix (by sqft)	% Mix (by wt)
Cover					
Avena sativa	Oats* (See Cover crop note)	11.13	37.88		
Total Guild:		11.13	37.88	18.32%	87.0%
Forb					
Amorpha canescens	Lead Plant	0.37	0.07		
Asclepias syriaca	Common Milkweed	0.16	0.11		
Asclepias tuberosa	Butterfly Milkweed	0.072	0.05		
Baptisia alba		0.02	0.03		
Coreopsis palmata	Bird's Foot Coreopsis	0.11	0.03		
Geranium maculatum	Wild Geranium	0.02	0.01		
Helenium autumnale	Autumn Sneezeweed	2.98	0.06		
Helianthus maximilianii	Maximilian's Sunflower	0.3	0.06		
Helianthus pauciflorus	Stiff Sunflower	0.057	0.04		
Heliopsis helianthoides	Ox-eye	0.14	0.06		
Liatris aspera	Rough Blazing Star	0.3	0.05		
Liatris ligulistylis	Northern Plains Blazing Star	0.19	0.05		

<i>Monarda fistulosa</i>	Wild Bergamot	1.61	0.06
<i>Monarda punctata</i>	Horsemint	1	0.03
<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	1	0.01
<i>Ranunculus fascicularis</i>	Early Buttercup	0.04	0.02
<i>Rudbeckia hirta</i>	Black-eyed Susan	2.11	0.06
<i>Rudbeckia triloba</i>	Brown-eyed Susan	2	0.16
<i>Sisyrinchium campestre</i>	Field Blue-eyed Grass	0.17	0.01
<i>Solidago speciosa</i>	Showy Goldenrod	1.5	0.04
<i>Symphotrichum ericoides</i>	Heath Aster	2	0.03
<i>Symphotrichum laeve</i>	Smooth Aster	1.26	0.06
<i>Symphotrichum novae-angliae</i>	New England Aster	1	0.04
<i>Tradescantia bracteata</i>	Bracted Spiderwort	0.15	0.04
<i>Verbena stricta</i>	Hoary Vervain	1	0.10
<i>Veronicastrum virginicum</i>	Culver's Root	4.8	0.02
<i>Viola pedatifida</i>	Bearded Birdfoot Violet	0.14	0.01
<i>Zizia aurea</i>	Golden Alexanders	0.25	0.06

Total Guild:	29.069	1.57	47.84%	3.6%
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Graminoid

<i>Andropogon gerardii</i>	Big Bluestem	2.3	0.63
<i>Bouteloua curtipendula</i>	Side-oats Grama	2.3	1.03
<i>Elymus canadensis</i>	Canada Wild Rye	1.2	0.63
<i>Koeleria macrantha</i>	Junegrass	6	0.08
<i>Schizachyrium scoparium</i>	Little Bluestem	5.5	1.00
<i>Sporobolus heterolepis</i>	Prairie Dropseed	1.8	0.31

Total Guild:	19.1	3.68	31.43%	8.5%
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Legume

<i>Astragalus canadensis</i>	Canada Milk Vetch	0.39	0.06
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Chamaecrista fasciculata	Partridge Pea	0.06	0.06
Chamaecrista fasciculata	Partridge Pea	0.02	0.02
Dalea candida	White Prairie Clover	0.44	0.06
Dalea purpurea	Purple Prairie Clover	0.41	0.08
Desmodium canadense	Canada Tick Trefoil	0.13	0.06
Lupinus perennis	Wild Lupine	0.018	0.05

Total Guild:	1.468	0.39	2.42%	0.9%
Total Seed Mix:	60.767	43.52		