

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 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 Biofuels/Biomass Southeast

Function: Production

Intent: Native prairie biofuel production for southeast MN

Planting Area: SE

Specialization: NRCS 643 & 512

Scientific Name	Common Name	Seeds/ sq ft	Rate (lb/ac)	% Mix (by sqft)	% Mix (by wt)
Cover					
Avena sativa	Oats* (See Cover crop note)	1.4	4.76		
Total Guild:		1.4	4.76	2.64%	31.7%
Forb					
Asclepias syriaca	Common Milkweed	0.16	0.11		
Asclepias tuberosa	Butterfly Milkweed	0.04	0.03		
Asclepias verticillata	Whorled Milkweed	0.08	0.02		
Helianthus maximilianii	Maximilian's Sunflower	0.3	0.06		
Heliopsis helianthoides	Ox-eye	0.16	0.07		
Liatris aspera	Rough Blazing Star	0.12	0.02		
Monarda fistulosa	Wild Bergamot	2	0.08		
Oligoneuron rigidum	Stiff Goldenrod	1	0.07		
Ranunculus fascicularis	Early Buttercup	0.04	0.01		
Ratibida pinnata	Gray-headed Coneflower	1	0.09		
Rudbeckia hirta	Black-eyed Susan	8	0.24		
Sisyrinchium campestre	Field Blue-eyed Grass	0.17	0.01		

<i>Symphyotrichum ericoides</i>	Heath Aster	1.5	0.02
<i>Symphyotrichum laeve</i>	Smooth Aster	1	0.05
<i>Symphyotrichum novae-angliae</i>	New England Aster	0.7	0.03
<i>Tradescantia bracteata</i>	Bracted Spiderwort	0.08	0.02
<i>Verbena hastata</i>	Blue Vervain	1.5	0.04
<i>Verbena stricta</i>	Hoary Vervain	0.5	0.05
<i>Zizia aurea</i>	Golden Alexanders	0.29	0.07

Total Guild:	18.64	1.09	35.14%	7.2%
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Graminoid

<i>Andropogon gerardii</i>	Big Bluestem	6	1.63
<i>Bouteloua curtipendula</i>	Side-oats Grama	1	0.45
<i>Elymus canadensis</i>	Canada Wild Rye	2.01	1.05
<i>Elymus trachycaulus</i>	Slender Wheatgrass	1.2	0.59
<i>Panicum virgatum</i>	Switchgrass	8	1.56
<i>Schizachyrium scoparium</i>	Little Bluestem	4	0.73
<i>Sorghastrum nutans</i>	Indian Grass	4	0.91
<i>Spartina pectinata</i>	Prairie Cordgrass	1	0.41

Total Guild:	27.21	7.33	51.29%	48.9%
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Legume

<i>Astragalus canadensis</i>	Canada Milk Vetch	1.2	0.19
<i>Chamaecrista fasciculata</i>	Partridge Pea	1	1.01
<i>Dalea candida</i>	White Prairie Clover	1.5	0.21
<i>Dalea purpurea</i>	Purple Prairie Clover	2	0.36
<i>Desmodium canadense</i>	Canada Tick Trefoil	0.1	0.05

Total Guild:	5.8	1.82	10.93%	12.2%
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Total Seed Mix:	53.05	15.00
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