

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

Low Growing Solar Array Moist Soils South and West

Function: Pollinator

Intent: Low growing native vegetation establishment for under solar panels in south and west MN

Planting Area: S & W

Specialization:

	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	10.11%	93.3%
Forb						
	Allium stellatum	Prairie Wild Onion	0.73	0.18		
	Anemone canadesis	Canada Anemone	0.18	0.06		
	Asclepias incarnata	Marsh Milkweed	0.43	0.24		
	Euthamia graminifolia	Grass-leaved Goldenrod	1.4	0.01		
	Galium boreale	Northern Bedstraw	0.26	0.01		
	Lobelia siphilitica	Great Lobelia	2.9	0.02		
	Phlox pilosa	Prairie Phlox	0.08	0.01		
	Potentilla arguta	Prairie Cinquefoil	0.1	0.00		
	Pycnanthemum virginianum	Virginia Mountain Mint	0.85	0.01		
	Ratibida columnifera	Prairie Coneflower	1.58	0.10		
	Rudbeckia hirta	Black-eyed Susan	1.58	0.05		
	Sisyrinchium campestre	Field Blue-eyed Grass	0.52	0.03		

<i>Symphyotrichum laeve</i>	Smooth Aster	0.63	0.03		
<i>Symphyotrichum puniceum</i>	Red-stemmed Aster	5	0.17		
<i>Zizia aurea</i>	Golden Alexanders	1	0.25		
	Total Guild:	17.24	1.17	15.66%	2.9%
Graminoid					
<i>Calamagrostis canadensis</i>	Bluejoint	5	0.05		
<i>Glyceria striata</i>	Fowl Manna Grass	3.3	0.10		
<i>Leersia oryzoides</i>	Rice Cut Grass	3.1	0.25		
<i>Poa palustris</i>	Fowl Bluegrass	20	0.42		
	Total Guild:	31.4	0.82	28.53%	2.0%
Legume					
<i>Astragalus canadensis</i>	Canada Milk Vetch	0.4	0.06		
<i>Dalea candida</i>	White Prairie Clover	1.7	0.24		
	Total Guild:	2.1	0.30	1.91%	0.8%
Sedge					
<i>Carex scoparia</i>	Lance-fruited Oval sedge	2.1	0.07		
<i>Carex stipata</i>	Common Fox Sedge	2.1	0.17		
<i>Carex vulpinoidea</i>	Brown Fox Sedge	4	0.11		
<i>Scirpus cyperinus</i>	Woolgrass	40	0.06		
	Total Guild:	48.2	0.41	43.79%	1.0%
	Total Seed Mix:	110.07	40.58		