

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 Mix Northeast

Function: Pollinator

Intent: Low growing native vegetation establishment for under solar panels in Northeastern MN

Planting Area: NE

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	19.27%	88.4%

Forb

Achillea millefolium	Common Yarrow	0.66	0.01		
Allium stellatum	Prairie Wild Onion	0.73	0.18		
Anemone canadensis	Canada Anemone	0.18	0.06		
Aquilegia canadensis	Columbine	0.44	0.03		
Asclepias tuberosa	Butterfly Milkweed	0.1	0.06		
Euthamia graminifolia	Grass-leaved Goldenrod	1.4	0.01		
Galium boreale	Northern Bedstraw	0.28	0.01		
Geranium maculatum	Wild Geranium	0.02	0.01		
Liatris aspera	Rough Blazing Star	0.25	0.04		
Penstemon grandiflorus	Large-flowered Beard Tongue	0.5	0.10		
Potentilla arguta	Prairie Cinquefoil	0.1	0.00		
Pycnanthemum virginianum	Virginia Mountain Mint	0.82	0.01		

Rudbeckia hirta	Black-eyed Susan	1.58	0.07
Sisyrinchium campestre	Field Blue-eyed Grass	0.52	0.03
Smilacina racemosa	False Solomons Seal	0.01	0.07
Solidago nemoralis	Gray Goldenrod	1.2	0.01
Solidago ptarmicoides	Upland White Aster	1	0.04
Symphotrichum ericoides	Heath Aster	0.8	0.01
Symphotrichum laeve	Smooth Aster	0.63	0.03
Symphotrichum lateriflorum	Calico Aster	1	0.01
Zizia aptera	Heart-leaved Alexanders	0.55	0.12

Total Guild:	12.77	0.91	22.11%	2.1%
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Graminoid

Bromus kalmii	Kalm's Brome	3	1.02
Danthonia spicata	Poverty Grass	6	0.65
Festuca rubra	Red Fescue	12	1.42
Koeleria macrantha	Junegrass	4.59	0.06

Total Guild:	25.59	3.15	44.30%	7.4%
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Legume

Astragalus canadensis	Canada Milk Vetch	0.4	0.06
Dalea candida	White Prairie Clover	1.7	0.24
Dalea purpurea	Purple Prairie Clover	1.02	0.19

Total Guild:	3.12	0.49	5.40%	1.1%
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Sedge

Carex bicknellii	Bicknell's Sedge	0.95	0.15
Carex brevior	Short Sedge	2.1	0.20
Carex scoparia	Lance-fruited Oval sedge	2.1	0.07

Total Guild:	5.15	0.42	8.92%	1.0%
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Total Seed Mix:	57.76	42.85
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