

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

High Diversity Solar Array Mesic Soil South & West Mix

Function: Pollinator
 Planting Area: S & W
 Specialization:

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

Scientific Name	Common Name	Seeds/ sq ft	Rate (lb/ac)	% Mix (by sqft)	% Mix (by wt)
Cover					
Avena sativa	Oats* (See Cover crop note)	6	20.42		
Total Guild:		6	20.42	12.85%	77.9%
Forb					
Achillea millefolium	Common Yarrow	0.41	0.01		
Allium stellatum	Prairie Wild Onion	0.51	0.12		
Anemone canadensis	Canada Anemone	0.18	0.06		
Anemone cylindrica	Long-headed Thimbleweed	0.6	0.06		
Asclepias syriaca	Common Milkweed	0.46	0.30		
Asclepias verticillata	Whorled Milkweed	0.32	0.08		
Astragalus crassicaulus	Ground Plum	0.36	0.19		
Echinacea angustifolia	Narrow-leaved Purple Conefl	0.64	0.25		
Euthamia graminifolia	Grass-leaved Goldenrod	0.8	0.01		
Galium boreale	Northern Bedstraw	0.4	0.02		
Liatris aspera	Rough Blazing Star	0.28	0.05		
Lobelia spicata	Rough-spiked Lobelia	1.03	0.00		

Monarda fistulosa	Wild Bergamot	0.8	0.03
Penstemon grandiflorus	Large-flowered Beard Tongue	0.48	0.09
Phlox pilosa	Prairie Phlox	0.11	0.02
Potentilla arguta	Prairie Cinquefoil	0.53	0.01
Pycnanthemum virginianum	Virginia Mountain Mint	0.76	0.01
Ratibida columnifera	Prairie Coneflower	0.96	0.06
Rudbeckia hirta	Black-eyed Susan	1.58	0.05
Sisyrinchium campestre	Field Blue-eyed Grass	0.52	0.03
Solidago rigida	Stiff Goldenrod	0.47	0.03
Solidago speciosa	Showy Goldenrod	0.55	0.02
Symphotrichum ericoides	Heath Aster	0.46	0.01
Symphotrichum laeve	Smooth Aster	0.63	0.03
Zizia aptera	Heart-leaved Alexanders	0.55	0.12

Total Guild:	14.39	1.66	30.83%	6.3%
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Graminoid

Bouteloua curtipendula	Side-oats Grama	3.31	1.50
Bouteloua gracilis	Blue Grama	4.59	0.31
Koeleria macrantha	Junegrass	4.59	0.07
Schizachyrium scoparium	Little Bluestem	4.13	0.75
Sporobolus heterolepis	Prairie Dropseed	2.94	0.50

Total Guild:	19.56	3.13	41.90%	11.9%
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Legume

Astragalus canadensis	Canada Milk Vetch	0.78	0.12
Dalea candida	White Prairie Clover	1.74	0.25
Dalea purpurea	Purple Prairie Clover	2.07	0.38

Total Guild:	4.59	0.75	9.83%	2.9%
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Sedge

Carex bicknellii	Bicknell's Sedge	0.78	0.12
Carex brevior	Short Sedge	0.67	0.07
Carex pensylvanica	Pennsylvania Sedge	0.69	0.06

Total Guild:	2.14	0.25	4.58%	1.0%
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Total Seed Mix: 46.68 26.21