

Cardno Solar Field Pollinator Habitat Mix



This seed mix was designed for planting in solar arrays in the Midwest to increase available native pollinator habitat. It is best planted in dry, well-drained soils. The native grasses in this mix will provide overwintering habitat for native pollinating insects and the wildflowers selected will provide year-long nectar and pollen sources for bees, butterflies, moths, and other native pollinating species. At mature height, the species selected will stay at or below 3 feet tall. This seed mix includes 4 of 5 native grass/sedge species and 9 of 13 forb species, three from each bloom period. Apply at 41.38 PLS pounds per acre.

Botanical Name	Common Name	PLS Oz /Acre	Seeds/Oz	# Seeds/SF	Bloom Period
Permanent Grasses/Sedges					
<i>Bouteloua curtipendula</i>	Side-Oats Grama	24.00	9375	5.17	N/A
<i>Carex bicknellii</i>	Copper-Shouldered Oval Sedge	3.50	33422	2.69	N/A
<i>Koeleria macrantha</i>	June Grass	1.50	150000	5.17	N/A
<i>Schizachyrium scoparium</i>	Little Bluestem	64.00	8800	12.93	N/A
<i>Sporobolus heterolepis</i>	Prairie Dropseed	3.00	14000	0.96	N/A
	TOTAL	96.00		26.91	
Temp Nurse Crop					
<i>Avena sativa</i>	Seed Oats	512.00	1125	95.50	N/A
	TOTAL	512.00		95.50	
Native Forbs					
<i>Allium cernuum</i>	Nodding Onion	6.00	7700	1.06	Mid
<i>Aquilegia canadensis</i>	Wild Columbine	1.00	25000	0.57	Early
<i>Asclepias syriaca</i>	Common Milkweed	4.00	4000	0.37	Mid
<i>Chamaecrista fasciculata</i>	Partridge Pea	16.00	3800	1.40	Late
<i>Coreopsis lanceolata</i>	Sand Coreopsis	10.00	12500	2.87	Mid
<i>Dalea purpurea</i>	Purple Prairie Clover	6.00	20000	2.75	Mid
<i>Liatris aspera</i>	Rough Blazing Star	2.00	13000	0.60	Late
<i>Lupinus perennis v. occidentalis</i>	Wild Lupine	2.00	1000	0.05	Early
<i>Monarda punctata</i>	Horse Mint	1.50	94000	3.24	Mid
<i>Penstemon hirsutus</i>	Hairy Beard Tongue	1.50	125000	4.30	Early
<i>Solidago nemoralis</i>	Old-Field Goldenrod	1.00	240000	5.51	Late
<i>Symphotrichum ericoides</i>	Heath Aster	1.00	140000	3.21	Late
<i>Zizia aurea</i>	Golden Alexanders	2.00	12000	0.55	Early
	TOTAL	54.00		26.48	
	Total Oz per acre	662.00	Total Native Seeds/SF	53.39	
	Total Lbs per acre	41.375			

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