



The Bee & Butterfly Habitat Fund

Michigan Monarch Mix

2022

Species	Scientific Name	PLS lbs per acre	Seeds per sq ft	% of Mixture	Bloom Period	Pollinator Value
Big Bluestem, Pawnee	<i>Andropogon gerardii</i>	0.300	0.99	2.84%	--	--
Canada Wildrye	<i>Elymus canadensis</i>	0.500	1.31	3.74%	--	--
Little Bluestem, VNS	<i>Schizachyrium scoparium</i>	0.400	2.21	6.31%	--	--
Plains Oval Sedge	<i>Carex brevior</i>	0.050	0.74	2.13%	--	--
Prairie Junegrass	<i>Koeleria pyramidata</i>	0.030	1.59	4.55%	--	--
Sideoats Grama, Native Source	<i>Bouteloua curtipendula</i>	0.500	1.83	5.22%	--	--
Ashy Sunflower, Native Source	<i>Helianthus mollis</i>	0.035	0.16	0.46%	3	5
Blackeyed Susan	<i>Rudbeckia hirta</i>	0.030	1.09	3.10%	2	1
Blanketflower - <i>G. pulchella</i>	<i>Gaillardia pulchella</i>	0.250	1.07	3.05%	1	4
Blue Vervain	<i>Verbena hastata</i>	0.030	1.04	2.96%	2	5
Butterfly Milkweed	<i>Asclepias tuberosa</i>	0.020	0.03	0.09%	2	5
Canada Goldenrod	<i>Solidago canadensis</i>	0.005	0.81	2.32%	2	5
Canada Milkvetch	<i>Astragalus canadensis</i>	0.100	0.62	1.77%	2	4
Canada Tick-trefoil	<i>Desmodium canadense</i>	0.150	0.30	0.87%	2	5
Common Evening Primrose	<i>Oenothera biennis</i>	0.030	0.95	2.71%	2	4
Common Milkweed, Michigan Native	<i>Asclepias syriaca</i>	0.055	0.10	0.30%	2	5
Cup Plant, Native Source	<i>Silphium perfoliatum</i>	0.050	0.07	0.21%	2	5
Deer Vetch, Native Source	<i>Acmispon americanus</i> or <i>Lotus unifoliolatus</i>	0.020	0.03	0.09%	3	4
Dotted Mint	<i>Monarda punctata</i>	0.030	1.01	2.89%	2	4
False Boneset	<i>Brickellia eupatorioides</i>	0.025	0.30	0.86%	3	3
False or Oxeye Sunflower	<i>Heliopsis helianthoides</i>	0.250	0.60	1.70%	2	5
Foxglove Beardstongue	<i>Penstemon digitalis</i>	0.035	0.32	0.92%	1	5
Golden Alexander	<i>Zizia aurea</i>	0.100	0.40	1.15%	1	5
Gray Goldenrod	<i>Solidago nemoralis</i>	0.009	0.21	0.59%	3	4
Grayhead Coneflower	<i>Ratibida pinnata</i>	0.065	0.64	1.82%	2	4
Hairy Beardstongue	<i>Penstemon hirsutus</i>	0.004	0.36	1.04%	1	5
Heath Aster	<i>Symphotrichum ericoides</i>	0.009	1.04	2.98%	3	5
Hoary Vervain	<i>Verbena stricta</i>	0.050	0.67	1.92%	2	5
Jerusalem Artichoke, Native Source	<i>Helianthus tuberosus</i>	0.025	0.07	0.20%	3	5
Lanceleaf Coreopsis	<i>Coreopsis lanceolata</i>	0.200	1.01	2.90%	2	4
Late or Giant Goldenrod, Native Source	<i>Solidago gigantea</i>	0.006	1.04	2.98%	3	5
Maximilian Sunflower	<i>Helianthus maximiliani</i>	0.080	0.36	1.03%	3	5
Missouri Goldenrod	<i>Solidago missouriensis</i>	0.007	1.01	2.90%	2	5
New England Aster	<i>Symphotrichum novae-angliae</i>	0.025	0.61	1.73%	3	5
New Jersey Tea	<i>Ceanothus americanus</i>	0.020	0.05	0.15%	2	4
Plains Coreopsis	<i>Coreopsis tinctoria</i>	0.020	1.48	4.22%	2	2
Plains Sunflower	<i>Helianthus petiolaris</i>	0.060	0.16	0.45%	3	5
Purple Coneflower	<i>Echinacea purpurea</i>	0.300	0.80	2.27%	2	5
Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	0.020	0.08	0.23%	1	3
Rough Gayfeather	<i>Liatris aspera</i>	0.020	0.13	0.36%	3	5
Roundhead Lespedeza	<i>Lespedeza capitata</i>	0.040	0.16	0.46%	3	4
Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	0.010	0.14	0.41%	3	5
Showy Partridgepea	<i>Chamaecrista fasciculata</i>	0.500	0.75	2.13%	2	5
Showy-wand Goldenrod	<i>Solidago speciosa</i>	0.010	0.98	2.81%	3	5
Skyblue Aster	<i>Symphotrichum oolentangiense</i>	0.015	0.44	1.26%	3	5
Smooth Blue Aster	<i>Symphotrichum laeve</i>	0.025	0.58	1.66%	3	5
Stiff Goldenrod	<i>Solidago rigida</i>	0.040	0.62	1.77%	3	5
Stiff Sunflower	<i>Helianthus pauciflorus</i>	0.035	0.59	1.70%	2	4
Sullivan's Milkweed, Native Source	<i>Asclepias sullivantii</i>	0.008	0.01	0.04%	2	5
Swamp Milkweed	<i>Asclepias incarnata</i>	0.020	0.07	0.20%	2	5
Upright Coneflower	<i>Ratibida columnifera</i>	0.050	0.85	2.42%	2	2
Western Yarrow	<i>Achillea millefolium</i>	0.020	1.31	3.74%	1	2
Wild Bergamot	<i>Monarda fistulosa</i>	0.040	1.17	3.34%	2	5
Wild Senna	<i>Senna hebecarpa</i>	0.070	0.04	0.10%	2	2
Rice Hulls - Filler for low planting rate mixtures		3.000	0.00	0.00%	--	--
Grasses Total:		1.780	8.678	24.77%		
Wildflower/Forb/Legume Total:		3.018	26.352	75.23%		
Filler Total:		3.000	0.000	0.00%		
Total Mixture:		7.798	35.030	100.00%		

Bloom Period	Wildflowers Used in Mixture	% PLS Seeding Rate of Mix
1 = April to May	6	10.13%
2 = June to July	25	45.01%
3 = August to October	17	20.08%
Total :	48	

4.35	Pollinator Value (0-5)
<p><i>The Pollinator value score is determined based on a combination of factors described below. A score greater than 4.0 indicates the mixture is designed for great pollinator value.</i></p>	