



The Bee & Butterfly Habitat Fund

Indiana 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>	0.200	0.66	1.82%	--	--
Canada Wildrye	<i>Elymus canadensis</i>	0.400	1.05	2.87%	--	--
Little Bluestem, VNS	<i>Schizachyrium scoparium</i>	0.300	1.66	4.54%	--	--
Plains Oval Sedge	<i>Carex brevior</i>	0.040	0.60	1.63%	--	--
Prairie Junegrass	<i>Koeleria pyramidata</i>	0.020	1.06	2.91%	--	--
Sideoats Grama, Native Source	<i>Bouteloua curtipendula</i>	0.300	1.10	3.01%	--	--
Anise Hyssop	<i>Agastache foeniculum</i>	0.030	0.99	2.72%	3	5
Aromatic Aster	<i>Aster oblongifolius</i>	0.008	0.95	2.60%	3	5
Ashy Sunflower, Native Source	<i>Helianthus mollis</i>	0.024	0.11	0.30%	3	5
Blackeyed Susan	<i>Rudbeckia hirta</i>	0.035	1.27	3.47%	2	1
Blanketflower	<i>Gaillardia aristata</i>	0.200	0.86	2.35%	1	4
Blue Vervain	<i>Verbena hastata</i>	0.030	1.04	2.84%	2	5
Butterfly Milkweed	<i>Asclepias tuberosa</i>	0.020	0.03	0.09%	2	5
Canada Goldenrod, Native Source	<i>Solidago canadensis</i>	0.004	0.65	1.78%	2	5
Canada Milkvetch	<i>Astragalus canadensis</i>	0.050	0.31	0.85%	2	4
Canada Tick-trefoil	<i>Desmodium canadense</i>	0.080	0.16	0.44%	2	5
Clasping Coneflower	<i>Rudbeckia amplexicaulis</i> or <i>Dracopis amplexicaulis</i>	0.040	1.47	4.03%	1	2
Common Evening Primrose	<i>Oenothera biennis</i>	0.035	1.11	3.03%	2	4
Common Milkweed	<i>Asclepias syriaca</i>	0.050	0.09	0.26%	2	5
Compass Plant	<i>Silphium laciniatum</i>	0.030	0.01	0.02%	2	5
Culver's Root	<i>Veronicastrum virginicum</i>	0.004	1.10	3.02%	3	4
Cup Plant, Native Source	<i>Silphium perfoliatum</i>	0.020	0.03	0.08%	2	5
Deer Vetch, Native Source	<i>Acemispou 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	2.78%	2	4
Entire-leaved Rosinweed, Native Source	<i>Silphium integrifolium</i>	0.020	0.02	0.04%	2	5
False Boneset	<i>Brickellia eupatorioides</i>	0.015	0.18	0.49%	3	3
False or Oxeye Sunflower	<i>Heliopsis helianthoides</i>	0.100	0.24	0.65%	2	5
Foxglove Beardstongue	<i>Penstemon digitalis</i>	0.020	0.18	0.50%	1	5
Golden Alexander	<i>Zizia aurea</i>	0.100	0.40	1.11%	1	5
Gray Goldenrod	<i>Solidago nemoralis</i>	0.006	0.14	0.38%	3	4
Grayhead Coneflower	<i>Ratibida pinnata</i>	0.045	0.44	1.21%	2	4
Hairy Beardstongue	<i>Penstemon hirsutus</i>	0.008	0.73	2.00%	1	5
Heath Aster	<i>Symphotrichum ericoides</i>	0.006	0.69	1.90%	3	5
Hoary Vervain, Native Source	<i>Verbena stricta</i>	0.025	0.34	0.92%	2	5
Illinois Bundleflower	<i>Desmanthus illinoensis</i>	0.300	0.59	1.60%	2	5
Ironweed	<i>Vernonia fasciculata</i>	0.020	0.18	0.48%	2	5
Lanceleaf Coreopsis	<i>Coreopsis lanceolata</i>	0.200	1.01	2.78%	2	4
Late or Giant Goldenrod, Native Source	<i>Solidago gigantea</i>	0.006	1.04	2.86%	3	5
Maximillian Sunflower	<i>Helianthus maximiliani</i>	0.040	0.18	0.49%	3	5
Missouri Goldenrod	<i>Solidago missouriensis</i>	0.006	0.87	2.38%	2	5
New England Aster	<i>Symphotrichum novae-angliae</i>	0.012	0.29	0.80%	3	5
Pale Purple Coneflower	<i>Echinacea pallida</i>	0.100	0.24	0.67%	2	5
Plains Coreopsis	<i>Coreopsis tinctoria</i>	0.015	1.11	3.04%	2	2
Plains Sunflower, Native Source	<i>Helianthus petiolaris</i>	0.030	0.08	0.22%	3	5
Purple Coneflower	<i>Echinacea purpurea</i>	0.200	0.53	1.46%	2	5
Purple Prairieclover, Native Source	<i>Dalea purpurea</i>	0.040	0.29	0.80%	2	5
Rough Gayfeather	<i>Liatris aspera</i>	0.016	0.10	0.28%	3	5
Rough Purple Gerardia, Native Source	<i>Agalinis aspera</i>	0.005	0.24	0.67%	2	4
Roundhead Lespedeza	<i>Lespedeza capitata</i>	0.020	0.08	0.22%	3	4
Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	0.010	0.14	0.40%	3	5
Seed Box	<i>Ludwigia alternifolia</i>	0.003	1.43	3.93%	3	3
Shell-leaf Penstemon	<i>Penstemon grandiflorus</i>	0.020	0.10	0.27%	1	5
Showy Partridgepea	<i>Chamaecrista fasciculata</i>	0.400	0.60	1.64%	2	5
Showy-wand Goldenrod	<i>Solidago speciosa</i>	0.008	0.79	2.16%	3	5
Skyblue Aster	<i>Symphotrichum oolentangiense</i>	0.007	0.21	0.56%	3	5
Smooth Blue Aster	<i>Symphotrichum laeve</i>	0.018	0.42	1.15%	3	5
Stiff Goldenrod, Native Source	<i>Solidago rigida</i>	0.020	0.31	0.85%	3	5
Stiff Sunflower	<i>Helianthus pauciflorus</i>	0.020	0.34	0.93%	2	4
Swamp Milkweed	<i>Asclepias incarnata</i>	0.010	0.04	0.10%	2	5
Tall Boneset, Native Source	<i>Eupatorium altissimum</i>	0.008	0.15	0.40%	3	4
Tall Coreopsis	<i>Coreopsis tripteris</i>	0.010	0.38	1.04%	2	3
Thickspike Gayfeather	<i>Liatris pycnostachya</i>	0.010	0.03	0.08%	3	5
Tube Penstemon	<i>Penstemon tubaeiflorus</i>	0.020	0.59	1.61%	2	5
Upright Coneflower	<i>Ratibida columnifera</i>	0.035	0.59	1.62%	2	2
Western Yarrow	<i>Achillea millefolium</i>	0.025	1.64	4.49%	1	2
Wild Bergamot	<i>Monarda fistulosa</i>	0.035	1.02	2.80%	2	5
Wild Quinine	<i>Parthenium integrifolium</i>	0.050	0.13	0.35%	2	2
Wild Senna	<i>Senna hebecarpa</i>	0.100	0.05	0.14%	2	2
Rice Hulls - Filler for low planting rate mixtures		2.500	0.00	0.00%	--	--

Species	Scientific Name	PLS lbs per acre	Seeds per sq ft	% of Mixture	Bloom Period	Pollinator Value
	Grasses Total:	1.260	6.121	16.78%		
	Wildflower/Forb/Legume Total:	2.874	30.355	83.22%		
	Filler Total:	2.500	0.000	0.00%		
Total Mixture:		6.634	36.477	100.00%		

Bloom Period	Wildflowers Used in Mixture	% PLS Seeding Rate of Mix
1 = April to May	7	14.74%
2 = June to July	33	42.59%
3 = August to October	22	25.89%
Total :	62	

4.34	Pollinator Value (0-5)
<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>	