



The Bee & Butterfly Habitat Fund

Iowa 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>	0.100	0.33	0.94%	--	--
Canada Blue Jointgrass	<i>Calamagrostis canadensis</i>	0.007	0.62	1.74%	--	--
Canada Wildrye	<i>Elymus canadensis</i>	0.500	1.31	3.70%	--	--
Little Bluestem, VNS	<i>Schizachyrium scoparium</i>	0.350	1.93	5.46%	--	--
Plains Oval Sedge	<i>Carex brevior</i>	0.040	0.60	1.68%	--	--
Prairie Dropseed	<i>Sporobolus heterolepis</i>	0.030	0.18	0.50%	--	--
Prairie Junegrass	<i>Koeleria pyramidata</i>	0.020	1.06	3.00%	--	--
Rough Dropseed	<i>Sporobolus clandestinus</i>	0.100	1.10	3.11%	--	--
Sideoats Grama, Native Source	<i>Bouteloua curtipendula</i>	0.400	1.46	4.13%	--	--
Anise Hyssop	<i>Agastache foeniculum</i>	0.030	0.99	2.80%	3	5
Annual or Common Sunflower, Native Source	<i>Helianthus annuus</i>	0.030	0.03	0.09%	3	5
Aromatic Aster	<i>Aster oblongifolius</i>	0.008	0.95	2.68%	3	5
Ashy Sunflower, Native Source	<i>Helianthus mollis</i>	0.030	0.14	0.39%	3	5
Baldwin's Ironweed, Native Source	<i>Vernonia baldwinii</i>	0.010	0.16	0.45%	2	5
Blackeyed Susan	<i>Rudbeckia hirta</i>	0.030	1.09	3.07%	2	1
Blanketflower	<i>Gaillardia aristata</i>	0.200	0.86	2.42%	1	4
Blue Vervain	<i>Verbena hastata</i>	0.030	1.04	2.93%	2	5
Butterfly Milkweed	<i>Asclepias tuberosa</i>	0.020	0.03	0.09%	2	5
Canada Milkvetch	<i>Astragalus canadensis</i>	0.065	0.40	1.14%	2	4
Canada Tick-trefoil	<i>Desmodium canadense</i>	0.050	0.10	0.29%	2	5
Clasping Coneflower	<i>Rudbeckia amplexicaulis</i> or <i>Dracopis amplexicaulis</i>	0.030	1.10	3.11%	1	2
Common Evening Primrose	<i>Oenothera biennis</i>	0.025	0.79	2.23%	2	4
Common Milkweed	<i>Asclepias syriaca</i>	0.040	0.08	0.21%	2	5
Culver's Root	<i>Veronicastrum virginicum</i>	0.005	1.38	3.89%	3	4
Cup Plant, Native Source	<i>Silphium perfoliatum</i>	0.020	0.03	0.08%	2	5
Deer Vetch, Native Source	<i>Acmispon americanus</i> or <i>Lotus unifoliolatus</i>	0.020	0.03	0.09%	3	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	0.51%	3	3
False or Oxeye Sunflower	<i>Heliopsis helianthoides</i>	0.100	0.24	0.67%	2	5
Foxglove Beardstongue, Native Source	<i>Penstemon digitalis</i>	0.015	0.14	0.39%	1	5
Golden Alexander	<i>Zizia aurea</i>	0.060	0.24	0.69%	1	5
Gray Goldenrod	<i>Solidago nemoralis</i>	0.006	0.14	0.39%	3	4
Grayhead Coneflower	<i>Ratibida pinnata</i>	0.040	0.39	1.11%	2	4
Heath Aster	<i>Symphotrichum ericoides</i>	0.004	0.46	1.31%	3	5
Hoary Vervain, Native Source	<i>Verbena stricta</i>	0.035	0.47	1.33%	2	5
Illinois Bundleflower	<i>Desmanthus illinoensis</i>	0.180	0.35	0.99%	2	5
Ironweed	<i>Vernonia fasciculata</i>	0.025	0.22	0.62%	2	5
Jerusalem Artichoke, Native Source	<i>Helianthus tuberosus</i>	0.010	0.03	0.08%	3	5
Lanceleaf Coreopsis	<i>Coreopsis lanceolata</i>	0.200	1.01	2.87%	2	4
Late or Giant Goldenrod, Native Source	<i>Solidago gigantea</i>	0.006	1.04	2.95%	3	5
Leadplant	<i>Amorpha canescens</i>	0.025	0.11	0.32%	2	5
Maximilian Sunflower	<i>Helianthus maximiliani</i>	0.050	0.23	0.64%	3	5
Missouri Goldenrod	<i>Solidago missouriensis</i>	0.006	0.87	2.46%	2	5
New England Aster	<i>Symphotrichum novae-angliae</i>	0.015	0.36	1.03%	3	5
Pale Purple Coneflower	<i>Echinacea pallida</i>	0.090	0.22	0.62%	2	5
Plains Coreopsis	<i>Coreopsis tinctoria</i>	0.015	1.11	3.14%	2	2
Plains Sunflower	<i>Helianthus petiolaris</i>	0.030	0.08	0.22%	3	5
Prairie Aster	<i>Symphotrichum falcatum</i>	0.050	0.47	1.32%	3	5
Purple Coneflower	<i>Echinacea purpurea</i>	0.100	0.27	0.75%	2	5
Purple Prairieclover, Native Source	<i>Dalea purpurea</i>	0.050	0.36	1.03%	2	5
Rattlesnake Master	<i>Eryngium yuccifolium</i>	0.020	0.08	0.23%	3	4
Rough Gayfeather	<i>Liatris aspera</i>	0.015	0.09	0.27%	3	5
Rough Purple Gerardia, Native Source	<i>Agalinis aspera</i>	0.005	0.24	0.69%	2	4
Roundhead Lespedeza	<i>Lespedeza capitata</i>	0.030	0.12	0.34%	3	4
Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	0.010	0.14	0.41%	3	5
Shell-leaf Penstemon	<i>Penstemon grandiflorus</i>	0.020	0.10	0.28%	1	5
Showy Partridgepea	<i>Chamaecrista fasciculata</i>	0.400	0.60	1.69%	2	5
Showy-wand Goldenrod	<i>Solidago speciosa</i>	0.008	0.79	2.22%	3	5
Smooth Blue Aster	<i>Symphotrichum laeve</i>	0.025	0.58	1.64%	3	5
Stiff Goldenrod, Native Source	<i>Solidago rigida</i>	0.020	0.31	0.87%	3	5
Stiff Sunflower	<i>Helianthus pauciflorus</i>	0.025	0.42	1.20%	2	4
Sullivant's Milkweed, Native Source	<i>Asclepias sullivantii</i>	0.010	0.02	0.05%	2	5
Swamp Milkweed, Native Source	<i>Asclepias incarnata</i>	0.015	0.05	0.15%	2	5
Sweet Blackeyed Susan	<i>Rudbeckia subtomentosa</i>	0.030	0.51	1.43%	2	2
Tall Boneset, Native Source	<i>Eupatorium altissimum</i>	0.007	0.13	0.36%	3	4
Tall Coreopsis	<i>Coreopsis tripteris</i>	0.015	0.57	1.60%	2	3
Tube Penstemon	<i>Penstemon tubaeformis</i>	0.010	0.29	0.83%	2	5

Species	Scientific Name	PLS lbs per acre	Seeds per sq ft	% of Mixture	Bloom Period	Pollinator Value
Upright Coneflower	<i>Ratibida columnifera</i>	0.045	0.76	2.15%	2	2
Virginia Mountain Mint	<i>Pycnanthemum virginianum</i>	0.006	0.22	0.62%	2	4
Western Yarrow	<i>Achillea millefolium</i>	0.020	1.31	3.70%	1	2
White Prairieclover	<i>Dalea candida</i>	0.055	0.38	1.08%	2	5
Wild Bergamot	<i>Monarda fistulosa</i>	0.030	0.88	2.48%	2	5
Rice Hulls - Filler for low planting rate mixtures		3.000	0.00	0.00%	--	--
Grasses Total:		1.547	8.589	24.27%		
Wildflower/Forb/Legume Total:		2.611	26.801	75.73%		
Filler Total:		3.000	0.000	0.00%		
Total Mixture:		7.158	35.389	100.00%		

Bloom Period	Wildflowers Used in Mixture	% PLS Seeding Rate of Mix
1 = April to May	6	10.58%
2 = June to July	34	40.41%
3 = August to October	23	24.74%
Total :	63	

4.41	Pollinator Value (0-5)
<p>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.</p>	