



The Bee & Butterfly Habitat Fund

Missouri 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	1.85%	--	--
Canada Wildrye	<i>Elymus canadensis</i>	0.300	0.79	2.19%	--	--
Little Bluestem, VNS	<i>Schizachyrium scoparium</i>	0.250	1.38	3.86%	--	--
Plains Oval Sedge	<i>Carex brevior</i>	0.020	0.30	0.83%	--	--
Prairie Junegrass	<i>Koeleria pyramidata</i>	0.050	2.66	7.42%	--	--
Rough Dropseed	<i>Sporobolus clandestinus</i>	0.100	1.10	3.08%	--	--
Sideoats Grama, Native Source	<i>Bouteloua curtipendula</i>	0.300	1.10	3.06%	--	--
Western Wheatgrass, Barton	<i>Elymus smithii</i>	0.400	1.05	2.92%	--	--
Alumroot	<i>Heuchera richardsonii</i>	0.003	0.76	2.12%	1	2
Annual or Common Sunflower, Native Source	<i>Helianthus annuus</i>	0.150	0.16	0.45%	3	5
Ashy Sunflower, Native Source	<i>Helianthus mollis</i>	0.021	0.10	0.27%	3	5
Baldwin's Ironweed, Native Source	<i>Vernonia baldwinii</i>	0.015	0.24	0.67%	2	5
Blackeyed Susan	<i>Rudbeckia hirta</i>	0.030	1.09	3.03%	2	1
Blue Vervain	<i>Verbena hastata</i>	0.028	0.97	2.70%	2	5
Blue-eyed Grass, Native Source	<i>Sisyrinchium campestre</i>	0.005	0.08	0.23%	1	5
Brown-eyed Susan	<i>Rudbeckia triloba</i>	0.100	1.25	3.49%	2	1
Canada Goldenrod, Native Source	<i>Solidago canadensis</i>	0.004	0.65	1.82%	2	5
Canada Milkvetch	<i>Astragalus canadensis</i>	0.065	0.40	1.13%	2	4
Canada Tick-trefoil	<i>Desmodium canadense</i>	0.040	0.08	0.23%	2	5
Common Evening Primrose	<i>Oenothera biennis</i>	0.033	1.04	2.91%	2	4
Common Milkweed	<i>Asclepias syriaca</i>	0.060	0.11	0.32%	2	5
Compass Plant	<i>Silphium laciniatum</i>	0.020	0.00	0.01%	2	5
Culver's Root	<i>Veronicastrum virginicum</i>	0.004	1.10	3.08%	3	4
Cup Plant, Native Source	<i>Silphium perfoliatum</i>	0.040	0.06	0.16%	2	5
Entire-leaved Rosinweed, Native Source	<i>Silphium integrifolium</i>	0.020	0.02	0.04%	2	5
False Boneset, Native Source	<i>Brickellia eupatorioides</i>	0.008	0.10	0.27%	3	3
False or Oxeye Sunflower	<i>Heliopsis helianthoides</i>	0.120	0.29	0.80%	2	5
Foxglove Beardstongue	<i>Penstemon digitalis</i>	0.025	0.23	0.64%	1	5
Golden Alexander	<i>Zizia aurea</i>	0.085	0.34	0.96%	1	5
Gray Goldenrod	<i>Solidago nemoralis</i>	0.006	0.14	0.39%	3	4
Grayhead Coneflower	<i>Ratibida pinnata</i>	0.045	0.44	1.23%	2	4
Heath Aster	<i>Symphotrichum ericoides</i>	0.005	0.58	1.62%	3	5
Hoary Vervain, Native Source	<i>Verbena stricta</i>	0.035	0.47	1.31%	2	5
Illinois Bundleflower	<i>Desmanthus illinoensis</i>	0.400	0.78	2.18%	2	5
Ironweed	<i>Vernonia fasciculata</i>	0.025	0.22	0.62%	2	5
Jerusalem Artichoke, Native Source	<i>Helianthus tuberosus</i>	0.020	0.05	0.15%	3	5
Lanceleaf Coreopsis	<i>Coreopsis lanceolata</i>	0.200	1.01	2.83%	2	4
Late or Giant Goldenrod, Native Source	<i>Solidago gigantea</i>	0.006	1.04	2.91%	3	5
Lemon Mint or Lemon Bee Balm	<i>Monarda citriodora</i>	0.030	0.99	2.77%	2	3
Maximilian Sunflower	<i>Helianthus maximiliani</i>	0.050	0.23	0.63%	3	5
Missouri Goldenrod	<i>Solidago missouriensis</i>	0.005	0.72	2.02%	2	5
New England Aster	<i>Symphotrichum novae-angliae</i>	0.010	0.24	0.68%	3	5
New Jersey Tea	<i>Ceanothus americanus</i>	0.015	0.04	0.11%	2	4
Plains Coreopsis	<i>Coreopsis tinctoria</i>	0.014	1.04	2.89%	2	2
Plains Sunflower	<i>Helianthus petiolaris</i>	0.030	0.08	0.22%	3	5
Prairie Aster	<i>Symphotrichum falcatum</i>	0.030	0.28	0.78%	3	5
Purple Coneflower	<i>Echinacea purpurea</i>	0.200	0.53	1.48%	2	5
Purple Prairieclover	<i>Dalea purpurea</i>	0.100	0.73	2.03%	2	5
Rattlesnake Master	<i>Eryngium yuccifolium</i>	0.050	0.20	0.57%	3	4
Rough Gayfeather	<i>Liatris aspera</i>	0.010	0.06	0.18%	3	5
Roundhead Lespedeza	<i>Lespedeza capitata</i>	0.032	0.13	0.36%	3	4
Sand Milkweed, Native Source	<i>Asclepias arenaria</i>	0.010	0.01	0.03%	2	5
Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	0.010	0.14	0.40%	3	5
Sensitive Briar, Native Source	<i>Mimosa nuttallii</i>	0.015	0.02	0.04%	2	3
Shell-leaf Penstemon	<i>Penstemon grandiflorus</i>	0.020	0.10	0.27%	1	5
Showy Partridgepea	<i>Chamaecrista fasciculata</i>	0.350	0.52	1.46%	2	5
Showy-wand Goldenrod	<i>Solidago speciosa</i>	0.008	0.79	2.20%	3	5
Smooth Blue Aster	<i>Symphotrichum laeve</i>	0.020	0.47	1.30%	3	5
Stiff Goldenrod	<i>Solidago rigida</i>	0.020	0.31	0.86%	3	5
Stiff Sunflower	<i>Helianthus pauciflorus</i>	0.020	0.34	0.95%	2	4
Sullivant's Milkweed, Native Source	<i>Asclepias sullivantii</i>	0.010	0.02	0.05%	2	5
Sweet Blackeyed Susan	<i>Rudbeckia subtomentosa</i>	0.025	0.42	1.18%	2	2
Tall Boneset, Native Source	<i>Eupatorium altissimum</i>	0.010	0.18	0.51%	3	4
Tall Coreopsis	<i>Coreopsis tripteris</i>	0.015	0.57	1.58%	2	3
Tube Penstemon	<i>Penstemon tubaeiflorus</i>	0.020	0.59	1.64%	2	5
Western Yarrow	<i>Achillea millefolium</i>	0.025	1.64	4.57%	1	2
White Prairieclover	<i>Dalea candida</i>	0.050	0.35	0.97%	2	5
Wild Bergamot	<i>Monarda fistulosa</i>	0.040	1.17	3.26%	2	5
Wild Quinine	<i>Parthenium integrifolium</i>	0.020	0.05	0.14%	2	2

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Willow-leaf Sunflower, Native Source	<i>Helianthus salicifolius</i>	0.020	0.03	0.09%	3	5
Rice Hulls - Filler for low planting rate mixtures		3.000	0.00	0.00%	--	--
Grasses Total:		1.620	9.027	25.20%		
Wildflower/Forb/Legume Total:		2.902	26.790	74.80%		
Filler Total:		3.000	0.000	0.00%		
Total Mixture:		7.522	35.818	100.00%		

Bloom Period	Wildflowers Used in Mixture	% PLS Seeding Rate of Mix
1 = April to May	6	8.79%
2 = June to July	35	48.09%
3 = August to October	21	17.91%
Total :	62	

4.32	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>	