



The Bee & Butterfly Habitat Fund

Missouri Honeybee Mixture

Fall 2022

Species	Scientific Name	PLS lbs per acre	Seeds per sq ft	% of Mixture	Bloom Period	Pollinator Value
Alsike Clover	<i>Trifolium hybridum</i>	0.400	6.25	17.60%	2	5
Arrowleaf Clover	<i>Trifolium vesiculosum</i>	0.500	0.00	0.00%	2	4
Blackeyed Susan	<i>Rudbeckia hirta</i>	0.055	1.99	5.60%	2	1
Clasping Coneflower	<i>Rudbeckia amplexicaulis</i> or <i>Dracopis amplexicaulis</i>	0.055	2.02	5.69%	1	2
Crimson Clover	<i>Trifolium incarnatum</i>	2.000	6.88	19.37%	2	5
Gray Goldenrod	<i>Solidago nemoralis</i>	0.005	0.12	0.33%	3	4
Ladino or White Clover	<i>Trifolium repens</i>	0.350	5.72	16.11%	2	5
Lemon Mint or Lemon Bee Balm	<i>Monarda citriodora</i>	0.080	2.64	7.45%	2	3
Missouri Goldenrod, Native Source	<i>Solidago missouriensis</i>	0.007	1.01	2.86%	2	5
Phacelia	<i>Phacelia spp.</i>	1.000	5.62	15.84%	2	5
Red Clover	<i>Trifolium pratense</i>	0.200	1.25	3.52%	2	4
White Dutch Clover	<i>Trifolium repens</i>	0.100	2.00	5.64%	2	5
Rice Hulls - Filler for low planting rate mixtures		2.500	0.00	0.00%	--	--
Grasses Total:		0.000	0.000	0.00%		
Wildflower/Forb/Legume Total:		4.752	35.503	100.00%		
Filler Total:		2.500	0.000	0.00%		
Total Mixture:		7.252	35.503	100.00%		

Bloom Period	Wildflowers Used in Mixture	% PLS Seeding Rate of Mix
1 = April to May	1	5.69%
2 = June to July	10	93.98%
3 = August to October	1	0.33%
Total :	12	

4.00	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>	

The Pollinator Value Score is determined based on a combination of factors that include:

- The pollen and/or nectar value of the plant species.
- The ability of the plant species to establish and persist in pollinator seeding mixtures.
- Bee Integrated Program research results of pollinator pollen analysis.
- Unique pollinator biological life histories of the plant species.
- The total bloom period length of the plant species.
- The occurrence in early bloom periods (Bloom Period 1) that are hard to challenging to provide resources for.
- The commercial availability of the species for use in seeding mixtures.
- Value of the plant species pollen and nectar to commercial beekeepers.
- USGS Pollinator Library tool: <https://www.npwrc.usgs.gov/pollinator/home>
- The Ecoregional Revegetation Application tool: <http://www.nativevegetation.org/era/>
- Botanical and beekeeping reference materials that list the pollinator value of species.
- Field observations of floral resource use by pollinator species.