



# The Bee & Butterfly Habitat Fund

## Michigan Honeybee Mixture

Fall 2022

Species	Scientific Name	PLS lbs per acre	Seeds per sq ft	% of Mixture	Bloom Period	Pollinator Value
Plains Oval Sedge	<i>Carex brevior</i>	0.060	0.89	2.22%	--	--
Alsike Clover	<i>Trifolium hybridum</i>	0.500	7.81	19.42%	2	5
Blackeyed Susan	<i>Rudbeckia hirta</i>	0.040	1.45	3.60%	2	1
Crimson Clover	<i>Trifolium incarnatum</i>	2.000	6.88	17.10%	2	5
Ladino or White Clover	<i>Trifolium repens</i>	0.550	8.99	22.35%	2	5
Phacelia	<i>Phacelia spp.</i>	1.000	5.62	13.99%	2	5
Red Clover	<i>Trifolium pratense</i>	0.300	1.87	4.66%	2	4
Sainfoin	<i>Onobrychis viciifolia</i>	1.000	0.69	1.73%	2	5
White Dutch Clover	<i>Trifolium repens</i>	0.300	6.00	14.93%	2	5
Rice Hulls - Filler for low planting rate mixtures		3.000	0.00	0.00%	--	--
Grasses Total:		0.060	0.893	2.22%		
Wildflower/Forb/Legume Total:		5.690	39.317	97.78%		
Filler Total:		3.000	0.000	0.00%		
<b>Total Mixture:</b>		<b>8.750</b>	<b>40.211</b>	<b>100.00%</b>		

Bloom Period	Wildflowers Used in Mixture	% PLS Seeding Rate of Mix
1 = April to May	0	0.00%
2 = June to July	8	97.78%
3 = August to October	0	0.00%
<b>Total :</b>	<b>8</b>	

<b>4.38</b>	<b>Pollinator Value (0-5)</b>
<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>	

### 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.