



# The Bee & Butterfly Habitat Fund

## Illinois 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>	0.380	5.94	13.92%	2	5
Anise Hyssop	<i>Agastache foeniculum</i>	0.030	0.99	2.33%	3	5
Blackeyed Susan	<i>Rudbeckia hirta</i>	0.030	1.09	2.55%	2	1
Clasping Coneflower	<i>Rudbeckia amplexicaulis</i> or <i>Dracopis amplexicaulis</i>	0.100	3.67	8.62%	1	2
Crimson Clover	<i>Trifolium incarnatum</i>	1.500	5.16	12.10%	2	5
Ladino or White Clover	<i>Trifolium repens</i>	0.380	6.21	14.57%	2	5
Lemon Mint or Lemon Bee Balm	<i>Monarda citriodora</i>	0.060	1.98	4.65%	2	3
Missouri Goldenrod, Native Source	<i>Solidago missouriensis</i>	0.005	0.72	1.70%	2	5
Phacelia	<i>Phacelia spp.</i>	0.800	4.50	10.55%	2	5
Red Clover	<i>Trifolium pratense</i>	0.400	2.50	5.86%	2	4
Sainfoin	<i>Onobrychis viciifolia</i>	1.800	1.25	2.93%	2	5
Western Yarrow	<i>Achillea millefolium</i>	0.040	2.62	6.14%	1	2
White Dutch Clover	<i>Trifolium repens</i>	0.300	6.00	14.08%	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:		5.825	42.631	100.00%		
Filler Total:		2.500	0.000	0.00%		
<b>Total Mixture:</b>		<b>8.325</b>	<b>42.631</b>	<b>100.00%</b>		

Bloom Period	Wildflowers Used in Mixture	% PLS Seeding Rate of Mix
1 = April to May	2	14.76%
2 = June to July	10	82.91%
3 = August to October	1	2.33%
<b>Total :</b>	<b>13</b>	

4.00	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>	

### 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.