

Seed A Legacy Program

Missouri Honey Bee Mix

Spring 2020

Species	Scientific Name	Suggested Seeding Rates	PLS lbs per acre	PLS seeds per sq ft	% of Mixture PLS	COC	Bloom Period	Pollinator Value
Alsike Clover	<i>Trifolium hybridum</i>	0.01 - 0.1	0.400	6.25	15.59%		2	5
Arrowleaf Clover	<i>Trifolium vesiculosum</i>	0.04 - 0.4	0.500	4.58	11.43%		2	4
Blackeyed Susan	<i>Rudbeckia hirta</i>	0.01 - 0.1	0.055	1.99	4.96%	3	2	1
Clasping Coneflower	<i>Rudbeckia amplexicaulis</i> or <i>Dracopis amplexicaulis</i>	0.01 - 0.05	0.055	2.02	5.04%		1	2
Crimson Clover	<i>Trifolium incarnatum</i>	0.1 - 2.0	2.000	6.88	17.15%	--	2	5
Gray Goldenrod	<i>Solidago nemoralis</i>	0.001 - 0.005	0.005	0.12	0.29%	--	3	4
Ladino or White Clover	<i>Trifolium repens</i>	0.1 - 0.5	0.350	5.72	14.27%	--	2	5
Lemon Mint or Lemon Bee Balm	<i>Monarda citriodora</i>	0.02 - 0.05	0.080	2.64	6.60%	--	2	3
Missouri Goldenrod, Native Source	<i>Solidago missouriensis</i>	0.001 - 0.007	0.007	1.01	2.53%	5	2	5
Phacelia	<i>Phacelia spp.</i>	0.08 - 0.5	1.000	5.62	14.03%	--	2	5
Red Clover	<i>Trifolium pratense</i>	0.1 - 2.0	0.200	1.25	3.12%		2	4
White Dutch Clover	<i>Trifolium repens</i>	0.1 - 0.5	0.100	2.00	4.99%	--	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	40.085	100.00%			
Filler Total:			2.500	0.000	0.00%			
Total Mixture:			7.252	40.085	100.00%			

Bloom Period	Wildflowers Used in Mixture	% PLS Seeding Rate of Mix
1 = April to May	1	5.04%
2 = June to July	10	94.67%
3 = August to October	1	0.29%
Total :	12	

 4.00 Pollinator Value

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

- The pollen and/or nectar value of the plant species.
- Bee Integrated Program research results of pollinator pollen analysis
- Unique pollinator biological life histories of the plant species.
- The ability of the plant species to establish and persist in pollinator seeding mixtures.
- 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.nativerrevegetation.org/era/>
- Botanical and beekeeping reference materials that list the pollinator value of species.
- Field observations of floral resource use by pollinator species.