Seed A Legacy Program

Illinois Honey Bee Mix

Spring 2021

Species	Scientific Name	Suggested Seeding Rates	PLS lbs per acre	PLS seeds per sq ft	% of Mixture PLS	Bloom Period	Pollinator Value
Alsike Clover	*Trifolium hybridum*	0.01 - 0.1	0.380	5.94	13.92%	2	5
Anise Hyssop	*Agastache foeniculum*	0.003 - 0.015	0.030	0.99	2.33%	3	5
Blackeyed Susan	*Rudbeckia hirta*	0.01 - 0.1	0.030	1.09	2.55%	2	1
Clasping Coneflower	*Rudbeckia amplexicaulis or Dracopis amplexicaulis*	0.01 - 0.05	0.100	3.67	8.62%	1	2
Crimson Clover	*Trifolium incarnatum*	0.1 - 2.0	1.500	5.16	12.10%	2	5
Ladino or White Clover	*Trifolium repens*	0.1 - 0.5	0.380	6.21	14.57%	2	5
Lemon Mint or Lemon Bee Balm	*Monarda citriodora*	0.02 - 0.05	0.060	1.98	4.65%	2	3
Missouri Goldenrod	*Solidago missouriensis*	0.001 - 0.007	0.005	0.72	1.70%	2	5
Phacelia	*Phacelia spp.*	0.08 - 0.5	0.800	4.50	10.55%	2	5
Red Clover	*Trifolium pratense*	0.1 - 2.0	0.400	2.50	5.86%	2	4
Sainfoin	*Onobrychis viciifolia*	0.5 - 2.0	1.800	1.25	2.93%	2	5
Western Yarrow	*Achillea millefolium*	0.01 - 0.05	0.040	2.62	6.14%	1	2
White Dutch Clover	*Trifolium repens*	0.1 - 0.5	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%		
		Total Mixture:	**8.325**	**42.631**	**100.00%**		

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%
Total :	13	

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 occurence 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.nativerevegetation.org/era/***
Botanical and beekeeping reference materials that list the pollinator value of species.
Field observations of floral resource use by pollinator species.