

		▼ ← P	ick an Ecoregion						
Peric (dry) Sesic (medium) Sydric (wet)									
O Prairie	Savanna	Wetland	Woodland						
○ Lone	a Term Program	○ Short Te	rm Program						

Nonarch Preferred Species Forage and Biomass (512) Planting

CHOOSE A RATE SPECIFICATION:

lbs/acre PLS	O Seeds/ft2 PLS
(check a mix)	(design a mix)



enter your cost in the applicable

cell.

Natural Resources Conservation Service

Mix Developed: 1/4/2022

Criteria Revision Update 5/26/2020 Species Information Update 8/26/2021

	CHOOSE YOUR GRASSES		✓ Input	quantity 📦							
		Scientific Name	Lbs / acre PLS	Seeds / ft2 PLS	Coefficient of		# Seeds / ft ²	Pure Stand			
	_	Growth Form	Equivalen	t rate below	Conservatism	Estimated Cost (\$/lb)	@ 1 lb. / ac	PLS Rate lbs / ac	% of Mix	Estimated Cost (\$/ac)	Functional Group
1	Coloct lane	Olowari olii				Cost (this)	@ 1 lb. 7 do	1557 45	70 OI WIIX	\$0.00	r directorial Group
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27								\$0.00	
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28								\$0.00	
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29								\$0.00	
	910373								
30								\$0.00	
	0,0063								
		Species Richness	lbs / acre PLS	seeds / ft2 PLS	Average CC				_
	GRAMINOID TOTAL	0	0.00	0.00	0.0	ESTIMA	TED GRAMINOID COST (\$/AC)	OST (\$/AC) \$0	

	CHOOSE YOUR FORBS/LEGUME	S	✓ Input o	quantity 🤿								
	Common Name	Scientific Name	Lbs / acre PLS	Seeds / ft2 PLS	Coefficient of	Estimated	# Seeds / ft ²	Pure Stand PLS Rate		Estimated		
	*Select Plants Click	*Select Bloom Period below Scientific Name	LEquivalent	I t rate below	Conservatism	Cost (\$/lb)	@ 1 lb. / ac	lbs / ac	% of Mix		Functional Group	Monarch Preferred
1	Milkweed, Common	Asclepias syriaca	0.031		0	\$120	1.5	23.8	0.6%	\$4	Perennial Forb	Х
	Input bloom period ->	Mid		0.046		·						
2	Partridge Pea	Chamaecrista fasciculata	0.26		1	\$25	1.1	30.7	3.9%	\$7	Annual Forb, Legume	
	Input bloom period ->	Late		0.30								
3	Coreopsis, Lanceleaf tickseed	Coreopsis lanceolata	0.050		5	\$1,280	7.3	4.8	4.8%	\$64	Perennial Forb	X
	Input bloom period ->	Late		0.37								
4	Prairie Clover, Purple	Dalea purpurea	0.050		8	\$45	6.2	5.6	4.1%	\$2	Perennial Forb, Legume	X
	Input bloom period ->			0.31								
5	Coneflower, Eastern Purple Input bloom period ->	Echinacea purpurea	0.15	0.00	6	\$45	2.4	14.4	4.8%	\$7	Perennial Forb	X
			0.40	0.36	4	***	0.4	44.7	0.40/	40	D :15 1	
6	Oxeye, Smooth (False Sunflower) Input bloom period ->	Heliopsis helianthoides	0.10	0.24	4	\$60	2.4	14.7	3.1%	\$6	Perennial Forb	X
-	Alumroot	Heuchera richardsonii	0.0020	0.24	8	\$900	252.5	0.1	6.6%	\$2	Perennial Forb	
′	Input bloom period ->		0.0020	0.51	O	φυυυ	202.0	U. I	0.0%	φ2	L CIGILIIGI LOIN	
8	Bergamot, Wild	Monarda fistulosa	0.020		4	\$150	27.5	1.3	7.2%	\$3	Perennial Forb	Х
Ĭ	Input bloom period ->		0.020	0.55	7	ψιου	21.0	1.0	1.270	ΨΟ	1 Grannari Gra	Α
9	Beardtongue, Foxglove	Penstemon digitalis	0.010		4	\$150	47.8	0.7	6.3%	\$2	Perennial Forb	
	Input bloom period ->	Early		0.48								
10	Mountainmint, Narrowleaf	Pycnanthemum tenuifolium	0.0040		4	\$450	138.8	0.3	7.3%	\$2	Perennial Forb	X
	Input bloom period ->	Late		0.56								
11	Coneflower, Pinnate Prairie (Gray-head		0.030		4	\$60	14.3	2.4	5.6%	\$2	Perennial Forb	
	Input bloom period ->	Mid		0.43								
12	Susan, Black-eyed	Rudbeckia hirta	0.063		2	\$45	34.4	1.0	28.4%	\$3	Biennial Forb	X
	Input bloom period ->	*****		2.17								
13	Goldenrod, Gray (Field)	Solidago nemoralis	0.0030		3	\$600	110.2	0.3	4.3%	\$2	Perennial Forb	X
	Input bloom period ->			0.33								
14	Aster, Smooth Blue	Symphyotrichum laeve	0.0020		8	\$300	18.4	1.9	0.5%	\$0.60	Perennial Forb	X
	Input bloom period ->	2410		0.037	I							
15	Aster, Calico Input bloom period ->	Symphyotrichum lateriflorum	0.0030	0.00	2	\$600	91.8	0.4	3.6%	\$2	Perennial Forb	X
				0.28	- 1							
16	Verbena, Hoary Input bloom period ->	Verbena stricta	0.030	0.37	2	\$75	12.3	2.9	4.8%	\$2	Perennial Forb	X
				0.37		****			4.00/	**		
17	Zizia, Golden (Alexander's) Input bloom period ->	Zizia aurea Early	0.070	0.31	6	\$120	4.4	7.9	4.0%	\$8	Perennial Forb	
40		Larry		0.51	I					CO.OO		
18	Input bloom period ->									\$0.00		
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39										\$0.00		
	Input bloom period ->											
40										\$0.00		
	Input bloom period ->											
	FORBS/LEGUMES TOTAL	Species Richness 17	0.88	seeds / ft ² PLS 7.63	Average CC 4.2	EQ	TIMATED FORB C	OST (\$/AC)RC	OST (\$/AC)	\$117	l	
	. ORBOILLOOMLO TOTAL	17	0.00	7.00	7.2	LO	TIMATED FORD C	المراق المارة	σστ (ψ/Ασ)	ΨΠΤ	I	

	CHOOSE YOUR VINE OR Sub-Sh	rub PLANT SPECIES										
	Common Name	Scientific Name	Lbs / acre PLS	Seeds / ft2 PLS	Coefficient of	Estimated	# Seeds / ft ²	Pure Stand PLS Rate		Estimated		
		Flowering Period	Equivalent	rate below	Conservatism	Cost (\$/lb)	@ 1 oz. / ac	lbs / ac	% of Mix	Cost (\$/ac)	Functional Group	Monarch Preferred
1										\$0.00		
	Input bloom period ->											
2										\$0.00		
	Input bloom period ->											
3										\$0.00		
	Input bloom period ->											
4										\$0.00		
	Input bloom period ->											
5										\$0.00		
	Input bloom period ->									·		
		Species Richness	Lbs / acre PLS	seeds / ft ² PLS							_	
	VINE & WOODY PLANT TOTAL	Ů Ô	0.00	0.00	0.0	ESTIMATED	VINE & WOODY	COST (\$/AC)	OST (\$/AC)	\$0		

	lbs / acre PLS	seeds / ft ² PLS	Average CC	Species Richness	Floristic Quality Index	ESTIMATED GRAND TOTAL COST (\$/AC)
GRAND TOTAL	0.88	7.6	4.2	17	17.2	\$117

Illinois NRCS 420 Wildlife Habitat Planting: Pollinator and Monarch Full Seeding Requirements										
Requirement	Criteria	Mix	Criteria Met							
All mixes										
Spring Blooming Forbs & Shrubs, Minimum	3	3	Meets Criteria							
Summer Blooming Forbs & Shrubs, Minimum	3	6	Meets Criteria							
Fall Blooming Forbs & Shrubs, Minimum	3	3	Meets Criteria							
Tall Grass Species in the Mix (Big Bluestem, Indiangrass, or Switchgrass)	Absent	Absent	Meets Criteria							
Requirements for sites on < 5% sl	Requirements for sites on < 5% slope									
Grass Seeds/ft ² , Maximum	5	0.0	Does Not Meet Criteria							
Forb & Sub-shrub Seeds/ft ² , Minimum	15	7.6	Does Not Meet Criteria							
Total Seeds/ft ² , Minimum	20	7.6	Does Not Meet Criteria							
Requirements for sites on >=5% si	оре									
Grass Seeds/ft ² , Minimum	10	0.0	Does Not Meet Criteria							
Forb & Sub-shrub Seeds/ft ² , Minimum	30	7.6	Does Not Meet Criteria							
Total Seeds/ft ² , Minimum	40	7.6	Does Not Meet Criteria							
Additional Requirement for Monarch Plantings										
Milkweed % PLS seeds/ft ² , Minimum	1.5%	0.6%	Does Not Meet Criteria							
Monarch preferred Forbs % PLS seeds/ft ² , Minimum	60.0%	73.6%	Meets Criteria							

Illinois NRCS 420 Wildlife Habitat Plantingr: Pollinator and Monarch Interseeding ½ Rate										
Requirement	Criteria	Mix	Criteria Met							
All mixes										
Spring Blooming Forbs & Shrubs, Minimum	3	3.0	Meets Criteria							
Summer Blooming Forbs & Shrubs, Minimum	3	6.0	Meets Criteria							
Fall Blooming Forbs & Shrubs, Minimum	3	5.0	Meets Criteria							
Tall Grass Species in the Mix (Big Bluestem, Indiangrass, or Switchgrass)	Absent	Absent	Meets Criteria							
Grass and Forb Interseeding on < 5% slope										
Grass Seeds/ft ² , Maximum	2.5	0.0	Does Not Meet Criteria							
Forb & Sub-shrub Seeds/ft2, Minimum	7.5	7.6	Meets Criteria							
Total Seeds/ft ² , Minimum	10.0	7.6	Does Not Meet Criteria							
Grass and Forb Interseeding on >= 5%	slope									
Grass Seeds/ft ² , Minimum	5	0.0	Does Not Meet Criteria							
Forb & Sub-shrub Seeds/ft ² , Minimum	15.0	7.6	Does Not Meet Criteria							
Total Seeds/ft ² , Minimum	20.0	7.6	Does Not Meet Criteria							
Additional Requirement for Monarch Pla	antings									
Milkweed % PLS seeds/ft ² , Minimum	1.5%	0.6%	Does Not Meet Criteria							
Monarch preferred Forbs % PLS seeds/ft², Min	60.0%	73.6%	Meets Criteria							
Forb Only Interseeding on < 5% slope										
Forb & Sub-shrub Seeds/ft ² , Minimum	7.5	7.6	Meets Criteria							
Forb Only Interseeding on >= 5% slo	рре									
Forb & Sub-shrub Seeds/ft ² , Minimum	15.0	7.6	Does Not Meet Criteria							

Criteria Revision Update 5/26/2020 Species Information Update 8/26/2021