Customize Options to Suit Site Conditions

		▼ ← ≪ P	ick an Ecoregion
O Xeric (dr	y) 🔘 Mesic	(medium)	Hydric (wet)
O Prairie	🔘 Savanna	O Wetland	O Woodland
	g Term Program	🔿 Short Te	rm Program

O Monarch Preferred Species O Forage and Biomass (512) Planting

CHOOSE A RATE SPECIFICATION:

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



enter your

cost in the

applicable

cell.

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

Demine Mane Section Mark Description Mark <thdescription mark<="" th=""></thdescription>	CHOOSE YOUR GRASSES		. Input o	quantity 🏹		cen.					
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Image Bandm Image Image <th< td=""><td>1 Bluestem Big</td><td>Andronogon gerardii</td><td></td><td></td><td>5</td><td></td><td></td><td></td><td></td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td></th<>	1 Bluestem Big	Andronogon gerardii			5						· · · · · · · · · · · · · · · · · · ·
Result of the second			0.40	1.19	5	ψï	3.0	11.7	0.070	ψυ	
Image in the stree in	2 Grama, Sideoats		0.30		7	\$9	4.4	8.0	6.5%	\$3	Perennial Warm Season Grass
Indem Bunde Indem Indem< Inde	Grama, Sidonats			1.31		·					
<table-container> Indepinde Percent matrix Percent mat</table-container>	3 Lovegrass, Sand	Eragrostis trichodes	0.050		5	\$75	35.6	1.0	8.8%	\$4	Perennial Warm Season Grass
<table-container> Image <t< td=""><td>Lovegrass, Sand</td><td>Bunch</td><td></td><td>1.78</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<></table-container>	Lovegrass, Sand	Bunch		1.78							
Seturn Distant matrix 0.38 0.38 2.11 2.11 0 0 0.00	4 Switchgrass	Panicum virgatum	0.25		4	\$8	9.2	4.0	11.3%	\$2	Perennial Warm Season Grass
Image band Bund All All Image band All Solution of the second seco				2.30							
Image Singlementation 0.35 1.37 3.9 9.0 6.7% 9.2 Pernell Ware Set Banch Inde 1.37 Inde	5 Bluestem, Little		0.36		5	\$12	5.9	6.0	10.4%	\$4	Perennial Warm Season Grass
Image: banch Banch Image:	Bluestern, Little			2.11		^			0.70/	* •	
r Image: sector of the secto	6 Indiangrass		0.35	4.07	4	\$6	3.9	9.0	6.7%	\$2	Perennial Warm Season Grass
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United States Department of Agriculture

Natural Resources Conservation Service

	GRAMINOID TOTAL	Species Richness 6	Ibs / acre PLS 1.71	seeds / ft² PLS 10.05	Average CC 5.0	ESTIMA	TED GRAMINOID	COST (\$/AC)
00	0.000							
30								
	6000							
29								
	0.00%							
28								
	0.00%							
27								
	0.00%							
25								

	CHOOSE YOUR FORBS/LEGUME	ES	🗲 Input q	juantity 🏹								
	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	Equivalent	rate below	Conservatism	Cost (\$/lb)	@ 1 lb. / ac	lbs / ac	% of Mix	Cost (\$/ac)	Functional Group	Monarch Preferred
1	Milkweed, Common	Asclepias syriaca	0.031		0	\$120	1.5	23.8	0.2%	\$4	Perennial Forb	Х
	Input bloom period ->	Mid		0.046				1		1		
2	Milkweed, Butterfly	Asclepias tuberosa	0.020		5	\$300	1.6	22.2	0.2%	\$6	Perennial Forb	Х
	Input bloom period ->	Mid		0.032				T		1		
3	Milkvetch, Canadian	Astragalus canadensis	0.010		7	\$120	5.7	6.1	0.3%	\$1	Perennial Forb, Legume	
	Input bloom period -:	Mid		0.057								
4	Partridge Pea	Chamaecrista fasciculata	0.15		1	\$25	1.1	30.7	0.8%	\$4	Annual Forb, Legume	
-	Input bloom period ->		0.15	0.17		ψ20	1.1	50.7	0.070	<u>-</u> Ψ		
5	Coreopsis, Lanceleaf Tickseed	Coreopsis lanceolata	0.10	••••	5	\$1,280	7.3	4.8	3.6%	\$128	Perennial Forb	X
5	Input bloom period -	· · ·	0.10	0.73	<u> </u>	ψ1,200	1.5	4.0	5.078	ψ120		Λ
6	Prairie Clover, White	Dalea candida	0.030		9	\$90	7.0	5.0	1.0%	\$3	Perennial Forb, Legume	X
U	Input bloom period ->		0.030	0.21	3	φ90	7.0	0.0	1.0%	<u>وه</u>		
			0.45	0.21		ф.4. Г	0.0	5.0	4.00/		Desensiel Faste Lass as	V
7	Prairie Clover, Purple Input bloom period -:	Dalea purpurea	0.15	0.04	8	\$45	6.2	5.6	4.6%	\$7	Perennial Forb, Legume	X
		-		0.94						1		
8	Bundleflower, Illinois	Desmanthus illinoensis	0.10		4	\$45	1.4	25.1	0.7%	\$5	Perennial Forb, Legume	
	Input bloom period ->			0.14						1		
9	Coneflower, Eastern Purple	Echinacea purpurea	0.15		6	\$45	2.4	14.4	1.8%	\$7	Perennial Forb	Х
	Input bloom period -	>Mid		0.36								
10	Alumroot	Heuchera richardsonii	0.0020		8	\$900	252.5	0.1	2.5%	\$2	Perennial Forb	
	Input bloom period ->	• Early		0.51				•		•		
11	Bergamot, Wild	Monarda fistulosa	0.040		4	\$150	27.5	1.3	5.4%	\$6	Perennial Forb	Х
••	Input bloom period -:			1.10		 	21.0	1.0	0.170	<u> </u>		
40		Penstemon digitalis	0.015		4	\$150	47.8	0.7	3.5%	\$2	Perennial Forb	
12	Beardtongue, Foxglove Input bloom period ->		0.015	0.72	4	\$150	47.0	0.7	3.5%	<u></u> مح		
				0.72		A 1 A 4				.		
13	Cinquefoil, Tall	Potentilla arguta	0.010	0.04	10	\$120	84.5	0.4	4.2%	\$1	Perennial Forb	
	Input bloom period -			0.84						1		
14	Mountainmint, Narrowleaf	Pycnanthemum tenuifolium	0.0030		4	\$450	138.8	0.3	2.1%	\$1	Perennial Forb	Х
	Input bloom period ->	Late		0.42				1		1		
15	Coneflower, Pinnate Prairie (Gray-head	Ratibida pinnata	0.020		4	\$60	14.3	2.4	1.4%	\$1	Perennial Forb	
	Input bloom period ->			0.29								
16	Susan, Black-eyed	Rudbeckia hirta	0.063		2	\$45	34.4	1.0	10.7%	\$3	Biennial Forb	Х
	Input bloom period ->			2.17	_	 				<u> </u>		
47			0.0020		2	¢600	110.0	0.2	1.6%	¢0	Doroppiol Forb	v
17	Goldenrod, Gray (Field) Input bloom period -	Solidago nemoralis	0.0030	0.33	3	\$600	110.2	0.3	1.0%	\$2	Perennial Forb	X
-				0.55		A :						
18	Aster, Calico	Symphyotrichum lateriflorum	0.0040		2	\$600	91.8	0.4	1.8%	\$2	Perennial Forb	X
	Input bloom period ->	Late		0.37				1		1		
19	Aster, New England	Symphyotrichum novae-angliae	0.0050		4	\$300	24.2	1.4	0.6%	\$2	Perennial Forb	Х
	Input bloom period ->	Late		0.12								
20	Verbena, Hoary	Verbena stricta	0.030		2	\$75	12.3	2.9	1.8%	\$2	Perennial Forb	Х
	Input bloom period ->			0.37								
21	Zizia, Golden (Alexander's)	Zizia aurea	0.070		6	\$120	4.4	7.9	1.5%	\$8	Perennial Forb	
- 1	Input bloom period ->		0.010	0.31		ψ120	т.т 	1.0	1.070	φυ 		
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22	Input bloom period ->							I		\$0.00		
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Mix Developed: 3/14/2023

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40 \$0.00	
Input bloom period ->	
Species Richness Ibs / acre PLS seeds / ft ² PLS Average CC	
FORBS/LEGUMES TOTAL 21 1.01 10.23 4.7 ESTIMATED FORB COST (\$/AC) \$ 196	

	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
		Flowering Period	Equivalent	rate below	Conservatism	Cost (\$/lb)	@ 1 oz. / ac	lbs / ac
1								
	Input bloom period ->							
2								
	Input bloom period ->							
3								
	Input bloom period ->							
4								
	Input bloom period ->							
5								
	Input bloom period ->							
				2				
		Species Richness	Lbs / acre PLS	seeds / ft ² PLS	Average CC			
	VINE & WOODY PLANT TOTAL	0	0.00	0.00	0.0	ESTIMATED	VINE & WOODY	COST (\$/AC)

% of Mix	Estimated Cost (\$/ac)	Functional Group	Monarch Preferred
	\$0.00		
	\$0.00		
	\$0.00		
-			
	\$0.00		
	\$0.00		

COST (\$/AC) \$0

	lbs / acre PLS	seeds / ft ² PLS	Average CC	Species Richness	Floristic Quality Index	E T
GRAND TOTAL	2.72	20.3	4.7	27	24.6	

ESTIMATED GRAND TOTAL COST (\$/AC)

\$214

Mix Developed: 3/14/2023

Illinois NRCS 420 Wildlife Hab	itat Planting Implementation
Requirements	Full Seeding

		Criteria Met					
Requirements for sites on < 5% slope							
10.0	10.1	Meets Criteria					
5.0	10.2	Meets Criteria					
20.0	20.3	Meets Criteria					
Requirements for sites on >=5% slope							
20.0	10.1	Does Not Meet Criteria					
5.0	10.2	Meets Criteria					
30.0	20.3	Does Not Meet Criteria					
Wildlife Special Purposes Escape and Nesting Cover Requirements							
30.0	10.1	Does Not Meet Criteria					
	10.0 5.0 20.0 ites on >= 20.0 5.0 30.0 and Nest	sites on < 5% slope 10.0 10.1 5.0 10.2 20.0 20.3 sites on >=5% slope 20.0 10.1 5.0 10.2 30.0 20.3 and Nesting Cover					

Illinois NRCS 420 Wildlife Habitat Planting Diverse Grass and Forb Stand (>15 desirable Species) Interseeding ½ Rate									
Requirement	Criteria	Mix	Criteria Met						
Grass and Forb Interseeding on < 5% slope									
Grass Seeds/ft ² , Minimum	5.0	10.1	Meets Criteria						
Forb & Shrub Seeds/ft ² , Minimum	2.5	10.2	Meets Criteria						
Total Seeds/ft ² , minimum	10.0	20.3	Meets Criteria						
Forb Only Interseeding o	n < 5% slo	ре							
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.2	Meets Criteria						
Grass and Forb Interseeding	on >= 5%	slope							
Grass Seeds/ft2, Minimum	10	10.1	Meets Criteria						
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.2	Meets Criteria						
Total Seeds/ft ² , Minimum	15	20.3	Meets Criteria						
Forb Only Interseeding on >= 5% slope									
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.2	Meets Criteria						

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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	5	Meets Criteria		
Fall Blooming Forbs & Shrubs, Minimum	3	5	Meets Criteria		
Tall Grass Species in the Mix (Big Bluestem, Indiangrass, or Switchgrass)	Absent	Present	Does Not Meet Criteria		
Requirements for sites on < 5% slope					
Grass Seeds/ft ² , Maximum	5	10.1	Does Not Meet Criteria		
Forb & Sub-shrub Seeds/ft ² , Minimum	15	10.2	Does Not Meet Criteria		
Total Seeds/ft ² , Minimum	20	20.3	Meets Criteria		
Requirements for sites on >=5% slope					
Grass Seeds/ft ² , Minimum	10	10.1	Meets Criteria		
Forb & Sub-shrub Seeds/ft ² , Minimum	30	10.2	Does Not Meet Criteria		
Total Seeds/ft ² , Minimum	40	20.3	Does Not Meet Criteria		
Additional Requirement for Monarch Plantings					
Milkweed % PLS seeds/ft ² , Minimum	1.5%	0.4%	Does Not Meet Criteria		
Monarch preferred Forbs % PLS seeds/ft ² , Minimum	60.0%	70.4%	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	7.0	Meets Criteria		
Fall Blooming Forbs & Shrubs, Minimum	3	6.0	Meets Criteria		
Tall Grass Species in the Mix (Big Bluestem, Indiangrass, or Switchgrass)	Absent	Present	Does Not Meet Criteria		
Grass and Forb Interseeding on < 5% slope					
Grass Seeds/ft ² , Maximum	2.5	10.1	Does Not Meet Criteria		
Forb & Sub-shrub Seeds/ft2, Minimum	7.5	10.2	Meets Criteria		
Total Seeds/ft ² , Minimum	10.0	20.3	Meets Criteria		
Grass and Forb Interseeding on >= 5% slope					
Grass Seeds/ft ² , Minimum	5	10.1	Meets Criteria		
Forb & Sub-shrub Seeds/ft ² , Minimum	15.0	10.2	Does Not Meet Criteria		
Total Seeds/ft ² , Minimum	20.0	20.3	Meets Criteria		
Additional Requirement for Monarch Plantings					
Milkweed % PLS seeds/ft ² , Minimum	1.5%	0.4%	Does Not Meet Criteria		
Monarch preferred Forbs % PLS seeds/ft ² , Min	60.0%	70.4%	Meets Criteria		
Forb Only Interseeding on < 5% slope					
Forb & Sub-shrub Seeds/ft ² , Minimum	7.5	10.2	Meets Criteria		
Forb Only Interseeding on >= 5% slope					
Forb & Sub-shrub Seeds/ft ² , Minimum	15.0	10.2	Does Not Meet Criteria		

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