

**Customize Options to Suit Site Conditions**

← Pick an Ecoregion  
 Xeric (dry)    Mesic (medium)    Hydric (wet)  
 Prairie    Savanna    Wetland    Woodland  
 Long Term Program    Short Term Program

Monarch Preferred Species  
 Forage and Biomass (512) Planting

**CHOOSE A RATE SPECIFICATION:**

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



**United States  
Department of  
Agriculture**

To override default cost, enter your cost in the applicable cell.

**Natural Resources Conservation Service**

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

**CHOOSE YOUR GRASSES**

← Input quantity →

Common Name <i>*Select Plants</i>	Scientific Name <i>Growth Form</i>	Lbs / acre PLS	Seeds / ft2 PLS	Coefficient of Conservatism	Estimated Cost (\$/lb)	# Seeds / ft <sup>2</sup> @ 1 lb. / ac	Pure Stand PLS Rate lbs / ac	% of Mix	Estimated Cost (\$/ac)	Functional Group
		Equivalent rate below								
1									\$0.00	
2									\$0.00	
3									\$0.00	
4									\$0.00	
5									\$0.00	
6									\$0.00	
7									\$0.00	
8									\$0.00	
9									\$0.00	
10									\$0.00	
11									\$0.00	
12									\$0.00	
13									\$0.00	
14									\$0.00	
15									\$0.00	
16									\$0.00	
17									\$0.00	
18									\$0.00	
19									\$0.00	
20									\$0.00	
21									\$0.00	
22									\$0.00	
23									\$0.00	
24									\$0.00	
25									\$0.00	

25										\$0.00	
27										\$0.00	
28										\$0.00	
29										\$0.00	
30										\$0.00	
		Species Richness	lbs / acre PLS	seeds / ft <sup>2</sup> PLS	Average CC	ESTIMATED GRAMINOID COST (\$/AC)			COST (\$/AC)	\$0	
GRAMINOID TOTAL		0	0.00	0.00	0.0						

CHOOSE YOUR FORBS/LEGUMES											
↔ Input quantity ↔											
Common Name <small>*Select Plants</small>	Scientific Name <small>*Select Bloom Period below Scientific Name</small>	Lbs / acre PLS	Seeds / ft <sup>2</sup> PLS	Coefficient of Conservatism	Estimated Cost (\$/lb)	# Seeds / ft <sup>2</sup> @ 1 lb. / ac	Pure Stand PLS Rate lbs / ac	% of Mix	Estimated Cost (\$/ac)	Functional Group	Monarch Preferred
		Equivalent rate below									
1	Zizia, Golden (Alexander's)	0.010	0.044	6	\$120	4.4	7.9	1.5%	\$1	Perennial Forb	
Input bloom period ->											
2	Aster, New England	0.0020	0.048	4	\$300	24.2	1.4	1.7%	\$0.60	Perennial Forb	X
Input bloom period ->											
3	Aster, Smooth Blue	0.0020	0.037	8	\$300	18.4	1.9	1.3%	\$0.60	Perennial Forb	X
Input bloom period ->											
4	Beardtongue, Foxglove	0.0030	0.14	4	\$150	47.8	0.7	4.9%	\$0.45	Perennial Forb	
Input bloom period ->											
5	Bergamot, Wild	0.010	0.28	4	\$150	27.5	1.3	9.4%	\$2	Perennial Forb	X
Input bloom period ->											
6	Blazing Star, Dense	0.010	0.040	7	\$150	4.0	8.7	1.4%	\$2	Perennial Forb	X
Input bloom period ->											
7	Coneflower, Pinnate Prairie (Gray-head)	0.010	0.14	4	\$60	14.3	2.4	4.9%	\$0.60	Perennial Forb	
Input bloom period ->											
8	Coneflower, Eastern Purple	0.050	0.12	6	\$45	2.4	14.4	4.2%	\$2	Perennial Forb	X
Input bloom period ->											
9	Coreopsis, Lanceleaf Tickseed	0.010	0.073	5	\$1,280	7.3	4.8	2.5%	\$13	Perennial Forb	X
Input bloom period ->											
10	Culver's Root	0.0010	0.28	6	\$1,200	275.5	0.1	9.4%	\$1	Perennial Forb	X
Input bloom period ->											
11	Goldenrod, Gray (Field)	0.0010	0.11	3	\$600	110.2	0.3	3.8%	\$0.60	Perennial Forb	X
Input bloom period ->											
12	Bundleflower, Illinois	0.050	0.070	4	\$45	1.4	25.1	2.4%	\$2	Perennial Forb	
Input bloom period ->											
13	Lupine, Sundial (Wild)	0.10	0.051	8	\$800	0.5	68.1	1.8%	\$80	Perennial Forb, Legume	
Input bloom period ->											
14	Milkweed, Common	0.020	0.029	0	\$120	1.5	23.8	1.0%	\$2	Perennial Forb	X
Input bloom period ->											
15									\$0.00		
Input bloom period ->											
16	Beebalm, Spotted (Horsemint)	0.0050	0.17	5	\$225	33.1	1.1	5.7%	\$1	Biennial Forb	X
Input bloom period ->											
17	Mountainmint, Narrowleaf	0.0010	0.14	4	\$450	138.8	0.3	4.8%	\$0.45	Perennial Forb	X
Input bloom period ->											
18	Partridge Pea	0.10	0.11	1	\$25	1.1	30.7	3.9%	\$3	Annual Forb, Legume	
Input bloom period ->											
19	Prairie Clover, Purple	0.025	0.16	8	\$45	6.2	5.6	5.3%	\$1	Perennial Forb, Legume	X
Input bloom period ->											
20	Prairie Clover, White	0.010	0.070	9	\$90	7.0	5.0	2.4%	\$0.90	Perennial Forb, Legume	X
Input bloom period ->											
21	Susan, Black-eyed	0.020	0.69	2	\$45	34.4	1.0	23.6%	\$0.90	Biennial Forb	X
Input bloom period ->											
22	Verbena, Hoary	0.010	0.12	2	\$75	12.3	2.9	4.2%	\$0.75	Perennial Forb	X
Input bloom period ->											



	lbs / acre PLS	seeds / ft <sup>2</sup> PLS	Average CC	Species Richness	Floristic Quality Index		ESTIMATED GRAND TOTAL COST (\$/AC)
<b>GRAND TOTAL</b>	0.45	2.9	4.8	21	21.8		\$116

Illinois NRCS 327 Conservation Cover Job Sheet Requirements Full Seeding			
Requirement	Criteria	Mix	Criteria Met
<b>Requirements for sites on &lt; 5% slope</b>			
Grass Seeds/ft <sup>2</sup> , Minimum	10.0	0.0	Does Not Meet Criteria
Forb & Sub-shrub Seeds/ft <sup>2</sup> , Minimum	5.0	2.9	Does Not Meet Criteria
Total Seeds/ft <sup>2</sup> , Minimum	20.0	2.9	Does Not Meet Criteria
<b>Requirements for sites on &gt;=5% slope</b>			
Grass Seeds/ft <sup>2</sup> , Minimum	20.0	0.0	Does Not Meet Criteria
Forb & Sub-shrub Seeds/ft <sup>2</sup> , Minimum	5.0	2.9	Does Not Meet Criteria
Total Seeds/ft <sup>2</sup> , Minimum	30.0	2.9	Does Not Meet Criteria
<b>Wildlife Special Purposes Escape and Nesting Cover Requirements</b>			
Wildlife monoculture native grass (PLS/ft <sup>2</sup> )	30.0	0.0	Does Not Meet Criteria

Illinois NRCS 327 Conservation Cover Diverse Grass and Forb Stand (>15 desirable Species) Interseeding 1/2 Rate			
Requirement	Criteria	Mix	Criteria Met
<b>Grass and Forb Interseeding on &lt; 5% slope</b>			
Grass Seeds/ft <sup>2</sup> , Minimum	5.0	0.0	Does Not Meet Criteria
Forb & Shrub Seeds/ft <sup>2</sup> , Minimum	2.5	2.9	Meets Criteria
Total Seeds/ft <sup>2</sup> , minimum	10.0	2.9	Does Not Meet Criteria
<b>Forb Only Interseeding on &lt; 5% slope</b>			
Forb & Sub-shrub Seeds/ft <sup>2</sup> , Minimum	2.5	2.9	Meets Criteria
<b>Grass and Forb Interseeding on &gt;= 5% slope</b>			
Grass Seeds/ft <sup>2</sup> , Minimum	10	0.0	Does Not Meet Criteria
Forb & Sub-shrub Seeds/ft <sup>2</sup> , Minimum	2.5	2.9	Meets Criteria
Total Seeds/ft <sup>2</sup> , Minimum	15	2.9	Does Not Meet Criteria
<b>Forb Only Interseeding on &gt;= 5% slope</b>			
Forb & Sub-shrub Seeds/ft <sup>2</sup> , Minimum	2.5	2.9	Meets Criteria