

**Customize Options to Suit Site Conditions**

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 Bluestem, Little	<i>Schizachyrium scoparium</i> Bunch	0.60	3.51	5	\$12	5.9	6.0	17.5%	\$7	Perennial Warm Season Grass
2 Grama, Sideoats	<i>Bouteloua curtipendula</i> Rhizomatous	0.12	0.52	7	\$9	4.4	8.0	2.6%	\$1	Perennial Warm Season Grass
3 Dropseed, Composite	<i>Sporobolus compositus</i> Bunch	0.19	2.09	3	\$17	11.0	3.2	10.4%	\$3	Perennial Warm Season Grass
4 Dropseed, Sand	<i>Sporobolus cryptandrus</i> Bunch	0.0050	0.57	4	\$15	114.8	0.3	2.9%	\$0.08	Perennial Warm Season Grass
5 Junegrass, Prairie	<i>Koeleria macrantha</i> Bunch	0.10	3.36	7	\$75	33.6	1.0	16.7%	\$8	Perennial Cool Season Grass
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)	\$19		
GRAMINOID TOTAL		5	1.02	10.07	5.2						

CHOOSE YOUR FORBS/LEGUMES											
↩ Input quantity ↪											
Common Name *Select Plants	Scientific Name *Select Bloom Period below Scientific Name	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) Input bloom period -> Early	0.030	0.13	6	\$120	4.4	7.9	0.7%	\$4	Perennial Forb	
2	aster, new england Input bloom period -> Late	0.0050	0.12	4	\$300	24.2	1.4	0.6%	\$2	Perennial Forb	X
3	beardtongue, foxglove Input bloom period -> Early	0.015	0.72	4	\$150	47.8	0.7	3.6%	\$2	Perennial Forb	
4	bergamot, wild Input bloom period -> Mid	0.040	1.10	4	\$150	27.5	1.3	5.5%	\$6	Perennial Forb	X
5	coneflower, pinnate prairie (gray-headed) Input bloom period -> Mid	0.020	0.29	4	\$60	14.3	2.4	1.4%	\$1	Perennial Forb	
6	coneflower, eastern purple Input bloom period -> Mid	0.15	0.36	6	\$45	2.4	14.4	1.8%	\$7	Perennial Forb	X
7	coreopsis, lanceleaf tickseed Input bloom period -> Mid	0.10	0.73	5	\$1,280	7.3	4.8	3.7%	\$128	Perennial Forb	X
8	culver's root Input bloom period -> Mid	0.0020	0.55	6	\$1,200	275.5	0.1	2.7%	\$2	Perennial Forb	X
9	goldenrod, gray (field) Input bloom period -> Late	0.0050	0.55	3	\$600	110.2	0.3	2.7%	\$3	Perennial Forb	X
10	Bundleflower, Illinois Input bloom period -> Mid	0.10	0.14	4	\$45	1.4	25.1	0.7%	\$5	Perennial Forb	
11	lupine, sundial (wild) Input bloom period -> Early	0.60	0.31	8	\$800	0.5	68.1	1.5%	\$480	Perennial Forb, Legume	
12	milkvetch, canadian Input bloom period -> Mid	0.010	0.057	7	\$120	5.7	6.1	0.3%	\$1	Perennial Forb, Legume	
13	milkweed, butterfly Input bloom period -> Mid	0.020	0.032	5	\$300	1.6	22.2	0.2%	\$6	Perennial Forb	X
14	milkweed, common Input bloom period -> Mid	0.031	0.046	0	\$120	1.5	23.8	0.2%	\$4	Perennial Forb	X
15	mountainmint, virginia (common) Input bloom period -> Late	0.0010	0.081	5	\$450	80.8	0.4	0.4%	\$0.45	Perennial Forb	X
16	mountainmint, narrowleaf Input bloom period -> Late	0.0070	0.97	4	\$450	138.8	0.3	4.8%	\$3	Perennial Forb	X
17	partridge pea Input bloom period -> Mid	0.15	0.17	1	\$25	1.1	30.7	0.8%	\$4	Annual Forb, Legume	
18	prairie clover, purple Input bloom period -> Mid	0.15	0.94	8	\$45	6.2	5.6	4.7%	\$7	Perennial Forb, Legume	X
19	Prairie Clover, White Input bloom period -> Mid	0.030	0.21	9	\$90	7.0	5.0	1.0%	\$3	Perennial Forb, Legume	X
20	susan, black-eyed Input bloom period -> Mid	0.063	2.17	2	\$45	34.4	1.0	10.8%	\$3	Biennial Forb	X
21	verbena, hoary Input bloom period -> Mid	0.030	0.37	2	\$75	12.3	2.9	1.8%	\$2	Perennial Forb	X
22	Input bloom period ->								\$0.00		



	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>	2.57	20.1	4.7	26	24.1		\$691

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	10.1	Meets Criteria
Forb & Sub-shrub Seeds/ft <sup>2</sup> , Minimum	5.0	10.0	Meets Criteria
Total Seeds/ft <sup>2</sup> , Minimum	20.0	20.1	Meets Criteria
<b>Requirements for sites on &gt;=5% slope</b>			
Grass Seeds/ft <sup>2</sup> , Minimum	20.0	10.1	Does Not Meet Criteria
Forb & Sub-shrub Seeds/ft <sup>2</sup> , Minimum	5.0	10.0	Meets Criteria
Total Seeds/ft <sup>2</sup> , Minimum	30.0	20.1	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	10.1	Does Not Meet Criteria

Illinois NRCS 327 Conservation Cover Diverse Grass and Forb Stand (>15 desirable Species) Interseeding ½ 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	10.1	Meets Criteria
Forb & Shrub Seeds/ft <sup>2</sup> , Minimum	2.5	10.0	Meets Criteria
Total Seeds/ft <sup>2</sup> , minimum	10.0	20.1	Meets Criteria
<b>Forb Only Interseeding on &lt; 5% slope</b>			
Forb & Sub-shrub Seeds/ft <sup>2</sup> , Minimum	2.5	10.0	Meets Criteria
<b>Grass and Forb Interseeding on &gt;= 5% slope</b>			
Grass Seeds/ft <sup>2</sup> , Minimum	10	10.1	Meets Criteria
Forb & Sub-shrub Seeds/ft <sup>2</sup> , Minimum	2.5	10.0	Meets Criteria
Total Seeds/ft <sup>2</sup> , Minimum	15	20.1	Meets Criteria
<b>Forb Only Interseeding on &gt;= 5% slope</b>			
Forb & Sub-shrub Seeds/ft <sup>2</sup> , Minimum	2.5	10.0	Meets Criteria