

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 ² @ 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>	0.50		5	\$12	5.9	6.0	19.4%	\$6	Perennial Warm Season Grass
	Bunch		2.93							
2 Dropseed, Composite	<i>Sporobolus compositus</i>	0.30		3	\$17	11.0	3.2	21.9%	\$5	Perennial Warm Season Grass
	Bunch		3.31							
3 Junegrass, Prairie	<i>Koeleria macrantha</i>	0.10		7	\$75	33.6	1.0	22.3%	\$8	Perennial Cool Season Grass
	Bunch		3.36							
4 Grama, Sideoats	<i>Bouteloua curtipendula</i>	0.35		7	\$9	4.4	8.0	10.1%	\$3	Perennial Warm Season Grass
	Rhizomatous		1.53							
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 ² PLS	Average CC				ESTIMATED GRAMINOID COST (\$/AC)	COST (\$/AC)	\$22	
GRAMINOID TOTAL		4	1.25	11.12	5.5							

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 ² PLS	Coefficient of Conservatism	Estimated Cost (\$/lb)	# Seeds / ft ² @ 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	0.3%	\$1	Perennial Forb	
	Input bloom period ->										
2	Aster, New England	0.0020	0.048	4	\$300	24.2	1.4	0.3%	\$0.60	Perennial Forb	X
	Input bloom period ->										
3	Aster, Smooth Blue	0.0020	0.037	8	\$300	18.4	1.9	0.2%	\$0.60	Perennial Forb	X
	Input bloom period ->										
4	Beardtongue, Foxglove	0.0030	0.14	4	\$150	47.8	0.7	1.0%	\$0.45	Perennial Forb	
	Input bloom period ->										
5	Bergamot, Wild	0.010	0.28	4	\$150	27.5	1.3	1.8%	\$2	Perennial Forb	X
	Input bloom period ->										
6	Blazing Star, Dense	0.010	0.040	7	\$150	4.0	8.7	0.3%	\$2	Perennial Forb	X
	Input bloom period ->										
7	Coneflower, Pinnate Prairie (Gray-head)	0.010	0.14	4	\$60	14.3	2.4	1.0%	\$0.60	Perennial Forb	
	Input bloom period ->										
8	Coneflower, Eastern Purple	0.050	0.12	6	\$45	2.4	14.4	0.8%	\$2	Perennial Forb	X
	Input bloom period ->										
9	Coreopsis, Lanceleaf Tickseed	0.010	0.073	5	\$1,280	7.3	4.8	0.5%	\$13	Perennial Forb	X
	Input bloom period ->										
10	Culver's Root	0.0010	0.28	6	\$1,200	275.5	0.1	1.8%	\$1	Perennial Forb	X
	Input bloom period ->										
11	Goldenrod, Gray (Field)	0.0010	0.11	3	\$600	110.2	0.3	0.7%	\$0.60	Perennial Forb	X
	Input bloom period ->										
12	Bundleflower, Illinois	0.050	0.070	4	\$45	1.4	25.1	0.5%	\$2	Perennial Forb	
	Input bloom period ->										
13	Lupine, Sundial (Wild)	0.10	0.051	8	\$800	0.5	68.1	0.3%	\$80	Perennial Forb, Legume	
	Input bloom period ->										
14	Milkweed, Common	0.020	0.029	0	\$120	1.5	23.8	0.2%	\$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	1.1%	\$1	Biennial Forb	X
	Input bloom period ->										
17	Mountainmint, Narrowleaf	0.0010	0.14	4	\$450	138.8	0.3	0.9%	\$0.45	Perennial Forb	X
	Input bloom period ->										
18	Partridge Pea	0.10	0.11	1	\$25	1.1	30.7	0.8%	\$3	Annual Forb, Legume	
	Input bloom period ->										
19	Prairie Clover, Purple	0.025	0.16	8	\$45	6.2	5.6	1.0%	\$1	Perennial Forb, Legume	X
	Input bloom period ->										
20	Prairie Clover, White	0.010	0.070	9	\$90	7.0	5.0	0.5%	\$0.90	Perennial Forb, Legume	X
	Input bloom period ->										
21	Susan, Black-eyed	0.050	1.72	2	\$45	34.4	1.0	11.4%	\$2	Biennial Forb	X
	Input bloom period ->										
22	Verbena, Hoary	0.010	0.12	2	\$75	12.3	2.9	0.8%	\$0.75	Perennial Forb	X
	Input bloom period ->										

23									\$0.00		
	Input bloom period ->										
24									\$0.00		
	Input bloom period ->										
25									\$0.00		
	Input bloom period ->										
26									\$0.00		
	Input bloom period ->										
27									\$0.00		
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36									\$0.00		
	Input bloom period ->										
37									\$0.00		
	Input bloom period ->										
38									\$0.00		
	Input bloom period ->										
39									\$0.00		
	Input bloom period ->										
40									\$0.00		
	Input bloom period ->										
		Species Richness	lbs / acre PLS	seeds / ft² PLS	Average CC				ESTIMATED FORB COST (\$/AC)	COST (\$/AC)	\$117
FORBS/LEGUMES TOTAL		21	0.48	3.95	4.8						

CHOOSE YOUR VINE OR Sub-Shrub PLANT SPECIES											
Common Name	Scientific Name	Lbs / acre PLS	Seeds / ft2 PLS	Coefficient of Conservatism	Estimated Cost (\$/lb)	# Seeds / ft² @ 1 oz. / ac	Pure Stand PLS Rate lbs / ac	% of Mix	Estimated 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 / ft² PLS	Average CC				ESTIMATED VINE & WOODY COST (\$/AC)	COST (\$/AC)	\$0
VINE & WOODY PLANT TOTAL		0	0.00	0.00	0.0						

	lbs / acre PLS	seeds / ft ² PLS	Average CC	Species Richness	Floristic Quality Index		ESTIMATED GRAND TOTAL COST (\$/AC)
GRAND TOTAL	1.73	15.1	4.9	25	24.4		\$139

Illinois NRCS 327 Conservation Cover Job Sheet Requirements Full Seeding			
Requirement	Criteria	Mix	Criteria Met
Requirements for sites on < 5% slope			
Grass Seeds/ft ² , Minimum	10.0	11.1	Meets Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	5.0	4.0	Does Not Meet Criteria
Total Seeds/ft ² , Minimum	20.0	15.1	Does Not Meet Criteria
Requirements for sites on >=5% slope			
Grass Seeds/ft ² , Minimum	20.0	11.1	Does Not Meet Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	5.0	4.0	Does Not Meet Criteria
Total Seeds/ft ² , Minimum	30.0	15.1	Does Not Meet Criteria
Wildlife Special Purposes Escape and Nesting Cover Requirements			
Wildlife monoculture native grass (PLS/ft ²)	30.0	11.1	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
Grass and Forb Interseeding on < 5% slope			
Grass Seeds/ft ² , Minimum	5.0	11.1	Meets Criteria
Forb & Shrub Seeds/ft ² , Minimum	2.5	4.0	Meets Criteria
Total Seeds/ft ² , minimum	10.0	15.1	Meets Criteria
Forb Only Interseeding on < 5% slope			
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	4.0	Meets Criteria
Grass and Forb Interseeding on >= 5% slope			
Grass Seeds/ft ² , Minimum	10	11.1	Meets Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	4.0	Meets Criteria
Total Seeds/ft ² , Minimum	15	15.1	Meets Criteria
Forb Only Interseeding on >= 5% slope			
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	4.0	Meets Criteria