

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 ² @ 1 lb. / ac	Pure Stand PLS Rate lbs / ac	% of Mix	Estimated Cost (\$/ac)	Functional Group
		Equivalent rate below								
1 Bluestem, Big	<i>Andropogon gerardii</i>	0.40		5	\$7	3.0	11.7	5.9%	\$3	Perennial Warm Season Grass
	Bunch		1.19							
2 Bulrush, Green	<i>Scirpus atrovirens</i>	0.0050		4	\$45	169.0	0.2	4.2%	\$0.23	Perennial Cool Season Sedge
	Bunch		0.84							
3 Sedge, Fox	<i>Carex vulpinoidea</i>	0.10		3	\$100	29.8	1.2	14.6%	\$10	Perennial Cool Season Sedge
	Bunch		2.98							
4 Switchgrass	<i>Panicum virgatum</i>	0.45		4	\$8	9.2	4.0	20.3%	\$4	Perennial Warm Season Grass
	Rhizomatous		4.13							
5 Wildrye, Virginia	<i>Elymus virginicus</i>	0.55		4	\$15	1.7	20.3	4.7%	\$8	Perennial Cool Season Grass
	Bunch		0.95							
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	
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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)	\$25		
GRAMINOID TOTAL		5	1.51	10.10	4.0						

CHOOSE YOUR FORBS/LEGUMES											
↩ Input quantity ↪											
Common Name *Select Plants	Scientific Name *Select Bloom Period below Scientific Name	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	Doll's Daisy, White Input bloom period -> Late	0.0050	0.29	5	\$166	58.8	0.6	1.4%	\$0.83	Perennial Forb	X
2	Aster, New England Input bloom period -> Late	0.010	0.24	4	\$300	24.2	1.4	1.2%	\$3	Perennial Forb	X
3	Blazing Star, Dense Input bloom period -> Mid	0.010	0.040	7	\$150	4.0	8.7	0.2%	\$2	Perennial Forb	X
4	Boneset, Common Input bloom period -> Mid	0.0030	0.18	4	\$300	58.8	0.6	0.9%	\$0.90	Perennial Forb	X
5	Cardinal Flower Input bloom period -> Mid	0.0010	0.15	6	\$1,200	146.9	0.2	0.7%	\$1	Perennial Forb	X
6	Culver's Root Input bloom period -> Mid	0.0030	0.83	6	\$1,200	275.5	0.1	4.1%	\$4	Perennial Forb	X
7	Goldenrod, Flat-top Goldenrod (Grass- Input bloom period -> Late	0.0030	0.39	3	\$1,500	128.6	0.3	1.9%	\$5	Perennial Forb	X
8	Goldenrod, Riddell's Input bloom period -> Late	0.0030	0.10	7	\$150	34.2	1.0	0.5%	\$0.45	Perennial Forb	X
9	Ironweed, Prairie Input bloom period -> Late	0.0050	0.044	5	\$225	8.8	4.0	0.2%	\$1	Perennial Forb	X
10	Joe Pye Weed, Spotted Input bloom period -> Mid	0.0030	0.10	5	\$300	34.9	1.0	0.5%	\$0.90	Perennial Forb	X
11	lobelia, great blue Input bloom period -> Mid	0.0050	0.92	4	\$600	183.7	0.2	4.5%	\$3	Perennial Forb	X
12	Milkweed, Swamp Input bloom period -> Mid	0.020	0.032	4	\$180	1.6	22.2	0.2%	\$4	Perennial Forb	X
13	Mountainmint, Virginia (Common) Input bloom period -> Late	0.0020	0.16	5	\$450	80.8	0.4	0.8%	\$0.90	Perennial Forb	X
14	Mountainmint, Narrowleaf Input bloom period -> Mid	0.0050	0.69	4	\$450	138.8	0.3	3.4%	\$2	Perennial Forb	X
15	Mistflower, Blue Input bloom period -> Late	0.0050	0.64	3	\$960	128.6	0.3	3.2%	\$5	Perennial Forb	X
16	Monkeyflower, Allegheny Input bloom period -> Mid	0.0020	1.69	5	\$300	844.8	0.04	8.3%	\$0.60	Perennial Forb	
17	Meadow-Rue, Purple Input bloom period -> Early	0.010	0.040	5	\$300	4.0	8.7	0.2%	\$3	Perennial Forb	
18	seedbox Input bloom period -> Mid	0.0030	1.43	5	\$480	477.5	0.07	7.0%	\$1	Perennial Forb	
19	Sneezeweed, Common Input bloom period -> Late	0.0050	0.26	3	\$150	51.4	0.7	1.3%	\$0.75	Perennial Forb	
20	Coneflower, Sweet Input bloom period -> Mid	0.020	0.32	5	\$150	15.8	2.2	1.6%	\$3	Perennial Forb	X
21	Verbena, Swamp (Blue) Input bloom period -> Mid	0.050	1.71	3	\$640	34.2	1.0	8.4%	\$32	Perennial Forb	X
22	Input bloom period ->								\$0.00		

23										\$0.00		
	Input bloom period ->											
24										\$0.00		
	Input bloom period ->											
25										\$0.00		
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38										\$0.00		
	Input bloom period ->											
39										\$0.00		
	Input bloom period ->											
40										\$0.00		
	Input bloom period ->											

	Species Richness	lbs / acre PLS	seeds / ft ² PLS	Average CC	ESTIMATED FORB COST (\$/AC)	COST (\$/AC)	\$73
FORBS/LEGUMES TOTAL	21	0.17	10.26	4.7			

CHOOSE YOUR VINE OR Sub-Shrub PLANT SPECIES

Common Name	Scientific Name	Lbs / acre PLS	Seeds / ft ² PLS	Coefficient of Conservatism	Estimated Cost (\$/lb)	# Seeds / ft ² @ 1 oz. / ac	Pure Stand PLS Rate lbs / ac	% of Mix	Estimated Cost (\$/ac)	Functional Group	Monarch Preferred
	Flowering Period										
1									\$0.00		
	Input bloom period ->										
2	Mid								\$0.00		
	Input bloom period ->										
3	Mid								\$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	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	1.68	20.4	4.5	26	23.1		\$98

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	10.1	Meets Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	5.0	10.3	Meets Criteria
Total Seeds/ft ² , Minimum	20.0	20.4	Meets Criteria
Requirements for sites on >=5% slope			
Grass Seeds/ft ² , Minimum	20.0	10.1	Does Not Meet Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	5.0	10.3	Meets Criteria
Total Seeds/ft ² , Minimum	30.0	20.4	Does Not Meet Criteria
Wildlife Special Purposes Escape and Nesting Cover Requirements			
Wildlife monoculture native grass (PLS/ft ²)	30.0	10.1	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
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	10.3	Meets Criteria
Total Seeds/ft ² , minimum	10.0	20.4	Meets Criteria
Forb Only Interseeding on < 5% slope			
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.3	Meets Criteria
Grass and Forb Interseeding on >= 5% slope			
Grass Seeds/ft ² , Minimum	10	10.1	Meets Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.3	Meets Criteria
Total Seeds/ft ² , Minimum	15	20.4	Meets Criteria
Forb Only Interseeding on >= 5% slope			
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.3	Meets Criteria