

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>	0.30		5	\$7	3.0	11.7	4.5%	\$2	Perennial Warm Season Grass
	Bunch		0.90							
2 Bluestem, Little	<i>Schizachyrium scoparium</i>	0.25		5	\$12	5.9	6.0	7.3%	\$3	Perennial Warm Season Grass
	Bunch		1.46							
3 Indiangrass	<i>Sorghastrum nutans</i>	0.50		4	\$6	3.9	9.0	9.7%	\$3	Perennial Warm Season Grass
	Bunch		1.95							
4 Grama, Sideoats	<i>Bouteloua curtipendula</i>	0.47		7	\$9	4.4	8.0	10.2%	\$4	Perennial Warm Season Grass
	Rhizomatous		2.05							
5 Switchgrass	<i>Panicum virgatum</i>	0.40		4	\$8	9.2	4.0	18.3%	\$3	Perennial Warm Season Grass
	Rhizomatous		3.67							
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	
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23									\$0.00	
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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)	\$16	
GRAMINOID TOTAL		5	1.92	10.03	5.0						

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 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) <small>Input bloom period -> Early</small>	0.030	0.13	6	\$120	4.4	7.9	0.7%	\$4	Perennial Forb	
2	aster, new england <small>Input bloom period -> Late</small>	0.0050	0.12	4	\$300	24.2	1.4	0.6%	\$2	Perennial Forb	X
3	beardtongue, foxglove <small>Input bloom period -> Early</small>	0.015	0.72	4	\$150	47.8	0.7	3.6%	\$2	Perennial Forb	
4	bergamot, wild <small>Input bloom period -> Mid</small>	0.040	1.10	4	\$150	27.5	1.3	5.5%	\$6	Perennial Forb	X
5	coneflower, pinnate prairie (gray-headed) <small>Input bloom period -> Mid</small>	0.020	0.29	4	\$60	14.3	2.4	1.4%	\$1	Perennial Forb	
6	coneflower, eastern purple <small>Input bloom period -> Mid</small>	0.15	0.36	6	\$45	2.4	14.4	1.8%	\$7	Perennial Forb	X
7	coreopsis, lanceleaf tickseed <small>Input bloom period -> Mid</small>	0.10	0.73	5	\$1,280	7.3	4.8	3.7%	\$128	Perennial Forb	X
8	culver's root <small>Input bloom period -> Mid</small>	0.0020	0.55	6	\$1,200	275.5	0.1	2.7%	\$2	Perennial Forb	X
9	goldenrod, gray (field) <small>Input bloom period -> Late</small>	0.0050	0.55	3	\$600	110.2	0.3	2.7%	\$3	Perennial Forb	X
10	Bundleflower, Illinois <small>Input bloom period -> Mid</small>	0.10	0.14	4	\$45	1.4	25.1	0.7%	\$5	Perennial Forb	
11	lupine, sundial (wild) <small>Input bloom period -> Early</small>	0.60	0.31	8	\$800	0.5	68.1	1.5%	\$480	Perennial Forb, Legume	
12	milkvetch, canadian <small>Input bloom period -> Mid</small>	0.010	0.057	7	\$120	5.7	6.1	0.3%	\$1	Perennial Forb, Legume	
13	milkweed, butterfly <small>Input bloom period -> Mid</small>	0.020	0.032	5	\$300	1.6	22.2	0.2%	\$6	Perennial Forb	X
14	milkweed, common <small>Input bloom period -> Mid</small>	0.031	0.046	0	\$120	1.5	23.8	0.2%	\$4	Perennial Forb	X
15	mountainmint, virginia (common) <small>Input bloom period -> Late</small>	0.0010	0.081	5	\$450	80.8	0.4	0.4%	\$0.45	Perennial Forb	X
16	mountainmint, narrowleaf <small>Input bloom period -> Late</small>	0.0070	0.97	4	\$450	138.8	0.3	4.8%	\$3	Perennial Forb	X
17	partridge pea <small>Input bloom period -> Mid</small>	0.15	0.17	1	\$25	1.1	30.7	0.9%	\$4	Annual Forb, Legume	
18	prairie clover, purple <small>Input bloom period -> Mid</small>	0.15	0.94	8	\$45	6.2	5.6	4.7%	\$7	Perennial Forb, Legume	X
19	Prairie Clover, White <small>Input bloom period -> Mid</small>	0.030	0.21	9	\$90	7.0	5.0	1.0%	\$3	Perennial Forb, Legume	X
20	susan, black-eyed <small>Input bloom period -> Mid</small>	0.063	2.17	2	\$45	34.4	1.0	10.8%	\$3	Biennial Forb	X
21	verbena, hoary <small>Input bloom period -> Mid</small>	0.030	0.37	2	\$75	12.3	2.9	1.8%	\$2	Perennial Forb	X
22	<small>Input bloom period -></small>								\$0.00		

23										\$0.00	
	Input bloom period ->										
24										\$0.00	
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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)	\$672
FORBS/LEGUMES TOTAL	21	1.56	10.05	4.6			

CHOOSE YOUR VINE OR Sub-Shrub PLANT SPECIES

Common Name	Scientific Name Flowering Period	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
		Equivalent rate below									
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 / 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	3.48	20.1	4.7	26	23.9		\$688

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	10.0	Meets Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	5.0	10.0	Meets Criteria
Total Seeds/ft ² , Minimum	20.0	20.1	Meets Criteria
Requirements for sites on >=5% slope			
Grass Seeds/ft ² , Minimum	20.0	10.0	Does Not Meet Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	5.0	10.0	Meets Criteria
Total Seeds/ft ² , Minimum	30.0	20.1	Does Not Meet Criteria
Wildlife Special Purposes Escape and Nesting Cover Requirements			
Wildlife monoculture native grass (PLS/ft ²)	30.0	10.0	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	10.0	Meets Criteria
Forb & Shrub Seeds/ft ² , Minimum	2.5	10.0	Meets Criteria
Total Seeds/ft ² , minimum	10.0	20.1	Meets Criteria
Forb Only Interseeding on < 5% slope			
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.0	Meets Criteria
Grass and Forb Interseeding on >= 5% slope			
Grass Seeds/ft ² , Minimum	10	10.0	Meets Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.0	Meets Criteria
Total Seeds/ft ² , Minimum	15	20.1	Meets Criteria
Forb Only Interseeding on >= 5% slope			
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.0	Meets Criteria