

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



**United States
Department of
Agriculture**

Natural Resources Conservation Service

CHOOSE A RATE SPECIFICATION:

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

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

Criteria Revision Update 5/26/2020
Species Information Update 8/26/2021

CHOOSE YOUR GRASSES

↔ Input quantity ↔

Common Name	Scientific Name	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
1 Sedge, Shallow	<i>Carex lurida</i>	0.45		7	\$225	4.4	7.9	5.7%	\$101	Perennial Cool Season Sedge
	Bunch		1.98							
2 Sedge, Fox	<i>Carex vulpinoidea</i>	0.40		3	\$100	29.8	1.2	34.1%	\$40	Perennial Cool Season Sedge
	Bunch		11.91							
3 Rush, Common	<i>Juncus effusus</i>	0.022		4	\$150	367.3	0.10	23.2%	\$3	Perennial Cool Season Rush
	Bunch		8.08							
4 Mannagrass, Fowl	<i>Glyceria striata</i>	0.16		4	\$450	36.7	1.0	16.8%	\$72	Perennial Cool Season Grass
	Rhizomatous		5.88							
5 Cutgrass, Rice	<i>Leersia oryzoides</i>	0.16		3	\$240	12.5	2.8	5.7%	\$38	Perennial Cool Season Grass
	Rhizomatous		2.00							
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	

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)	OST (\$/AC)	\$255
GRAMINOID TOTAL	5	1.19	29.85	4.2			

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 Anemone, Meadow <small>Input bloom period -></small>	<i>Anemone canadensis</i> <small>Early</small>	0.034	0.100	4	\$300	2.9	11.9	0.3%	\$10	Perennial Forb	
2 Beggarstick, Bearded <small>Input bloom period -></small>	<i>Bidens aristosa</i> <small>Late</small>	0.10	0.32	1	\$75	3.2	11.1	0.9%	\$8	Annual Forb	X
3 Aster, New England <small>Input bloom period -></small>	<i>Symphotrichum novae-angliae</i> <small>Late</small>	0.028	0.68	4	\$300	24.2	1.4	1.9%	\$8	Perennial Forb	X
4 Goldenrod, Flat-top Goldentop (Grass- <small>Input bloom period -></small>	<i>Euthamia graminifolia</i> <small>Late</small>	0.00078	0.10	3	\$1,500	128.6	0.3	0.3%	\$1	Perennial Forb	X
5 Cardinal Flower <small>Input bloom period -></small>	<i>Lobelia cardinalis</i> <small>Late</small>	0.00068	0.100	6	\$1,200	146.9	0.2	0.3%	\$0.82	Perennial Forb	X
6 Horehound, American Water <small>Input bloom period -></small>	<i>Lycopus americanus</i> <small>Mid</small>	0.014	0.67	3	\$225	47.8	0.7	1.9%	\$3	Perennial Forb	
7 Boneset, Common <small>Input bloom period -></small>	<i>Eupatorium perfoliatum</i> <small>Mid</small>	0.013	0.76	4	\$300	58.8	0.6	2.2%	\$4	Perennial Forb	X
8 Verbena, Swamp (Blue) <small>Input bloom period -></small>	<i>Verbena hastata</i> <small>Mid</small>	0.020	0.68	3	\$640	34.2	1.0	2.0%	\$13	Perennial Forb	X
9 Meadow-Rue, Purple <small>Input bloom period -></small>	<i>Thalictrum dasycarpum</i> <small>Early</small>	0.025	0.10	5	\$300	4.0	8.7	0.3%	\$8	Perennial Forb	
10 Susan, Browneyed <small>Input bloom period -></small>	<i>Rudbeckia triloba</i> <small>Late</small>	0.052	0.67	3	\$90	12.9	2.7	1.9%	\$5	Biennial Forb	X
11 Mountainmint, Virginia (Common) <small>Input bloom period -></small>	<i>Pycnanthemum virginianum</i> <small>Late</small>	0.0083	0.67	5	\$450	80.8	0.4	1.9%	\$4	Perennial Forb	X
12 Iris, Shreve's (Blueflag) <small>Input bloom period -></small>	<i>Iris virginica var. shrevei</i> <small>Early</small>	0.27	0.099	5	\$150	0.4	95.3	0.3%	\$41	Perennial Forb	
13 Ironweed, Missouri <small>Input bloom period -></small>	<i>Vernonia missurica</i> <small>Late</small>	0.012	0.097	5	\$480	8.1	4.3	0.3%	\$6	Perennial Forb	X
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		
	Input bloom period ->											
25										\$0.00		
	Input bloom period ->											
26										\$0.00		
	Input bloom period ->											
27										\$0.00		
	Input bloom period ->											
28										\$0.00		
	Input bloom period ->											
29										\$0.00		
	Input bloom period ->											
30										\$0.00		
	Input bloom period ->											
31										\$0.00		
	Input bloom period ->											
32										\$0.00		
	Input bloom period ->											
33										\$0.00		
	Input bloom period ->											
34										\$0.00		
	Input bloom period ->											
35										\$0.00		
	Input bloom period ->											
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 / ft ² PLS	Average CC	ESTIMATED FORB COST (\$/AC) \$ COST (\$/AC)						\$110
	FORBS/LEGUMES TOTAL	13	0.58	5.05	3.9							

CHOOSE YOUR VINE OR Sub-Shrub PLANT SPECIES												
Common Name	Scientific Name <i>Flowering Period</i>	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	1.77	34.9	4.0	18	17.0		\$365