

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	Carex lurida	0.11		7	\$225	4.4	7.9	2.4%	\$25	Perennial Cool Season Sedge
	Bunch		0.48							
2 Sedge, Fox	Carex vulpinoidea	0.067		3	\$100	29.8	1.2	9.9%	\$7	Perennial Cool Season Sedge
	Bunch		1.99							
3 Rush, Common	Juncus effusus	0.0027		4	\$150	367.3	0.10	4.9%	\$0.41	Perennial Cool Season Rush
	Bunch		0.99							
4 Mannagrass, Fowl	Glyceria striata	0.027		4	\$450	36.7	1.0	4.9%	\$12	Perennial Cool Season Grass
	Rhizomatous		0.99							
5 Cutgrass, Rice	Leersia oryzoides	0.040		3	\$240	12.5	2.8	2.5%	\$10	Perennial Cool Season Grass
	Rhizomatous		0.50							
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	
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27										\$0.00	
28										\$0.00	
29										\$0.00	
30										\$0.00	

GRAMINOID TOTAL	Species Richness	lbs / acre PLS	seeds / ft ² PLS	Average CC	ESTIMATED GRAMINOID COST (\$/AC)	OST (\$/AC)	\$54
	5	0.25	4.96	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>	0.11	0.32	4	\$300	2.9	11.9	1.6%	\$33	Perennial Forb		
2 Beggarstick, Bearded <small>Input bloom period -></small>	<i>Bidens aristosa</i> <small>Late</small>	0.32	1.01	1	\$75	3.2	11.1	5.0%	\$24	Annual Forb	X	
3 Aster, New England <small>Input bloom period -></small>	<i>Symphotrichum novae-angliae</i> <small>Late</small>	0.083	2.01	4	\$300	24.2	1.4	10.0%	\$25	Perennial Forb	X	
4 Goldenrod, Flat-top Goldentop (Grass- <small>Input bloom period -></small>	<i>Euthamia graminifolia</i> <small>Late</small>	0.0024	0.31	3	\$1,500	128.6	0.3	1.5%	\$4	Perennial Forb	X	
5 Cardinal Flower <small>Input bloom period -></small>	<i>Lobelia cardinalis</i> <small>Late</small>	0.0020	0.29	6	\$1,200	146.9	0.2	1.5%	\$2	Perennial Forb	X	
6 Horehound, American Water <small>Input bloom period -></small>	<i>Lycopus americanus</i> <small>Mid</small>	0.042	2.01	3	\$225	47.8	0.7	10.0%	\$9	Perennial Forb		
7 Boneset, Common <small>Input bloom period -></small>	<i>Eupatorium perfoliatum</i> <small>Mid</small>	0.037	2.17	4	\$300	58.8	0.6	10.8%	\$11	Perennial Forb	X	
8 Verbena, Swamp (Blue) <small>Input bloom period -></small>	<i>Verbena hastata</i> <small>Mid</small>	0.059	2.02	3	\$640	34.2	1.0	10.0%	\$38	Perennial Forb	X	
9 Meadow-Rue, Purple <small>Input bloom period -></small>	<i>Thalictrum dasycarpum</i> <small>Early</small>	0.075	0.30	5	\$300	4.0	8.7	1.5%	\$23	Perennial Forb		
10 Susan, Browneyed <small>Input bloom period -></small>	<i>Rudbeckia triloba</i> <small>Late</small>	0.16	2.06	3	\$90	12.9	2.7	10.2%	\$14	Biennial Forb	X	
11 Mountainmint, Virginia (Common) <small>Input bloom period -></small>	<i>Pycnanthemum virginianum</i> <small>Late</small>	0.025	2.02	5	\$450	80.8	0.4	10.1%	\$11	Perennial Forb	X	
12 Iris, Shreve's (Blueflag) <small>Input bloom period -></small>	<i>Iris virginica var. shrevei</i> <small>Early</small>	0.82	0.30	5	\$150	0.4	95.3	1.5%	\$123	Perennial Forb		
13 Ironweed, Missouri <small>Input bloom period -></small>	<i>Vernonia missurica</i> <small>Late</small>	0.037	0.30	5	\$480	8.1	4.3	1.5%	\$18	Perennial Forb	X	
14									\$0.00			
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	Input bloom period ->											

	Species Richness	lbs / acre PLS	seeds / ft ² PLS	Average CC								
FORBS/LEGUMES TOTAL	13	1.77	15.12	3.9					ESTIMATED FORB COST (\$/AC)	COST (\$/AC)	\$335	

CHOOSE YOUR VINE OR Sub-Shrub PLANT SPECIES

Common Name	Scientific Name <small>Flowering Period</small>	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						\$0.00		
1	Input bloom period ->								\$0.00		
2	Input bloom period ->								\$0.00		
3	Input bloom period ->								\$0.00		
4	Input bloom period ->								\$0.00		
5	Input bloom period ->								\$0.00		

	Species Richness	Lbs / acre PLS	seeds / ft ² PLS	Average CC								
VINE & WOODY PLANT TOTAL	0	0.00	0.00	0.0					ESTIMATED VINE & WOODY COST (\$/AC)	COST (\$/AC)	\$0	

	lbs / acre PLS	seeds / ft ² PLS	Average CC	Species Richness	Floristic Quality Index		ESTIMATED GRAND TOTAL COST (\$/AC)
GRAND TOTAL	2.02	20.1	4.0	18	17.0		\$389