

**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 <i>*Select Plants</i>	Scientific Name <i>Growth Form</i>	Lbs / acre PLS	Seeds / ft2 PLS	Coefficient of Conservatism	Estimated Cost (\$/lb)	# Seeds / ft <sup>2</sup> @ 1 lb. / ac	Pure Stand PLS Rate lbs / ac	% of Mix	Estimated Cost (\$/ac)	Functional Group
		Equivalent rate below								
1									\$0.00	
2									\$0.00	
3									\$0.00	
4									\$0.00	
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	

27										\$0.00	
28										\$0.00	
29										\$0.00	
30										\$0.00	

GRAMINOID TOTAL	Species Richness	lbs / acre PLS	seeds / ft <sup>2</sup> PLS	Average CC	ESTIMATED GRAMINOID COST (\$/AC)	OST (\$/AC)	\$0
	0	0.00	0.00	0.0			

**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 <sup>2</sup> PLS	Coefficient of Conservatism	Estimated Cost (\$/lb)	# Seeds / ft <sup>2</sup> @ 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 -&gt;</small>	<i>Anemone canadensis</i> <small>Early</small>	0.052	0.15	4	\$300	2.9	11.9	2.0%	\$16	Perennial Forb	
2 Beggarstick, Bearded <small>Input bloom period -&gt;</small>	<i>Bidens aristosa</i> <small>Late</small>	0.16	0.51	1	\$75	3.2	11.1	6.7%	\$12	Annual Forb	X
3 Aster, New England <small>Input bloom period -&gt;</small>	<i>Symphotrichum novae-angliae</i> <small>Late</small>	0.041	0.99	4	\$300	24.2	1.4	13.2%	\$12	Perennial Forb	X
4 Goldenrod, Flat-top Goldentop (Grass-l) <small>Input bloom period -&gt;</small>	<i>Euthamia graminifolia</i> <small>Late</small>	0.0012	0.15	3	\$1,500	128.6	0.3	2.1%	\$2	Perennial Forb	X
5 Cardinal Flower <small>Input bloom period -&gt;</small>	<i>Lobelia cardinalis</i> <small>Late</small>	0.0010	0.15	6	\$1,200	146.9	0.2	2.0%	\$1	Perennial Forb	X
6 Horehound, American Water <small>Input bloom period -&gt;</small>	<i>Lycopus americanus</i> <small>Mid</small>	0.021	1.00	3	\$225	47.8	0.7	13.4%	\$5	Perennial Forb	
7 Boneset, Common <small>Input bloom period -&gt;</small>	<i>Eupatorium perfoliatum</i> <small>Mid</small>	0.019	1.12	4	\$300	58.8	0.6	14.9%	\$6	Perennial Forb	X
8 Verbena, Swamp (Blue) <small>Input bloom period -&gt;</small>	<i>Verbena hastata</i> <small>Mid</small>	0.029	0.99	3	\$640	34.2	1.0	13.2%	\$19	Perennial Forb	X
9 Meadow-Rue, Purple <small>Input bloom period -&gt;</small>	<i>Thalictrum dasycarpum</i> <small>Early</small>	0.038	0.15	5	\$300	4.0	8.7	2.0%	\$11	Perennial Forb	
10 Susan, Browneyed <small>Input bloom period -&gt;</small>	<i>Rudbeckia triloba</i> <small>Late</small>	0.078	1.00	3	\$90	12.9	2.7	13.4%	\$7	Biennial Forb	X
11 Mountainmint, Virginia (Common) <small>Input bloom period -&gt;</small>	<i>Pycnanthemum virginianum</i> <small>Late</small>	0.012	0.97	5	\$450	80.8	0.4	12.9%	\$5	Perennial Forb	X
12 Iris, Shreve's (Blueflag) <small>Input bloom period -&gt;</small>	<i>Iris virginica var. shrevei</i> <small>Early</small>	0.41	0.15	5	\$150	0.4	95.3	2.0%	\$62	Perennial Forb	
13 Ironweed, Missouri <small>Input bloom period -&gt;</small>	<i>Vernonia missurica</i> <small>Late</small>	0.020	0.16	5	\$480	8.1	4.3	2.2%	\$10	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		



	lbs / acre PLS	seeds / ft <sup>2</sup> PLS	Average CC	Species Richness	Floristic Quality Index		ESTIMATED GRAND TOTAL COST (\$/AC)
<b>GRAND TOTAL</b>	0.88	7.5	3.9	13	14.1		\$167