

**Customize Options to Suit Site Conditions**

← Pick an Ecoregion

Arid (dry)  
  Mesic (medium)  
  Hydric (wet)

Prairie  
  Savanna  
  Wetland  
  Woodland

Long Term Program  
  Short Term Program

Monarch Preferred Species  
 Forage and Biomass (S12) Planting

**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.

**Natural Resources Conservation Service**

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

**CHOOSE YOUR GRASSES**

↔ Input quantity ↔

Common Name	Scientific Name	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 <b>Bluestem, Little</b>	<i>Schizachyrium scoparium</i>	0.70		5	\$12	5.9	6.0	20.5%	\$8	Perennial Warm Season Grass
	Bunch		4.10							
2 <b>Gramma, Sideoats</b>	<i>Bouteloua curtipendula</i>	0.80		7	\$9	4.4	8.0	17.4%	\$7	Perennial Warm Season Grass
	Rhizomatous		3.49							
3 <b>Wildrye, Canada</b>	<i>Elymus canadensis</i>	0.92		4	\$2	2.6	13.3	12.1%	\$2	Perennial Cool Season Grass
	Bunch		2.43							
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	
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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 <sup>2</sup> PLS	Average CC	ESTIMATED GRAMINOID COST (\$/AC)	OST (\$/AC)	\$17
GRAMINOID TOTAL	3	2.42	10.02	5.3			

**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	Bergamot, Wild <small>Input bloom period -&gt;</small>	<i>Monarda fistulosa</i>	0.050	1.38	4	\$150	27.5	1.3	6.9%	\$8	Perennial Forb	X
2	Coneflower, Pinnate Prairie (Gray-head) <small>Input bloom period -&gt;</small>	<i>Ratibida pinnata</i>	0.10	1.43	4	\$60	14.3	2.4	7.2%	\$6	Perennial Forb	
3	Coneflower, Eastern Purple <small>Input bloom period -&gt;</small>	<i>Echinacea purpurea</i>	0.23	0.56	6	\$45	2.4	14.4	2.8%	\$10	Perennial Forb	X
4	Coreopsis, Lanceleaf Tickseed <small>Input bloom period -&gt;</small>	<i>Coreopsis lanceolata</i>	0.20	1.47	5	\$1,280	7.3	4.8	7.3%	\$256	Perennial Forb	X
5	Bundleflower, Illinois <small>Input bloom period -&gt;</small>	<i>Desmanthus illinoensis</i>	0.40	0.56	4	\$45	1.4	25.1	2.8%	\$18	Perennial Forb	
6	Milkvetch, Canadian <small>Input bloom period -&gt;</small>	<i>Astragalus canadensis</i>	0.020	0.11	7	\$120	5.7	6.1	0.6%	\$2	Perennial Forb, Legume	
7	Milkweed, Butterfly <small>Input bloom period -&gt;</small>	<i>Asclepias tuberosa</i>	0.015	0.024	5	\$300	1.6	22.2	0.1%	\$5	Perennial Forb	X
8	Milkweed, Common <small>Input bloom period -&gt;</small>	<i>Asclepias syriaca</i>	0.040	0.059	0	\$120	1.5	23.8	0.3%	\$5	Perennial Forb	X
9	Partridge Pea <small>Input bloom period -&gt;</small>	<i>Chamaecrista fasciculata</i>	0.35	0.40	1	\$25	1.1	30.7	2.0%	\$9	Annual Forb, Legume	
10	Prairie Clover, Purple <small>Input bloom period -&gt;</small>	<i>Dalea purpurea</i>	0.20	1.25	8	\$45	6.2	5.6	6.2%	\$9	Perennial Forb, Legume	X
11	Prairie Clover, White <small>Input bloom period -&gt;</small>	<i>Dalea candida</i>	0.040	0.28	9	\$90	7.0	5.0	1.4%	\$4	Perennial Forb, Legume	X
12	Oxeye, Smooth (False Sunflower) <small>Input bloom period -&gt;</small>	<i>Heliopsis helianthoides</i>	0.10	0.24	4	\$60	2.4	14.7	1.2%	\$6	Perennial Forb	X
13	Susan, Black-eyed <small>Input bloom period -&gt;</small>	<i>Rudbeckia hirta</i>	0.065	2.24	2	\$45	34.4	1.0	11.2%	\$3	Biennial Forb	X
14	<small>Input bloom period -&gt;</small>	Mid								\$0.00		
15	<small>Input bloom period -&gt;</small>	Late								\$0.00		
16	<small>Input bloom period -&gt;</small>	Early								\$0.00		
17	<small>Input bloom period -&gt;</small>	Mid								\$0.00		
18	<small>Input bloom period -&gt;</small>	Mid								\$0.00		
19	<small>Input bloom period -&gt;</small>	Mid								\$0.00		
20	<small>Input bloom period -&gt;</small>	Late								\$0.00		
21	<small>Input bloom period -&gt;</small>	Late								\$0.00		
22	<small>Input bloom period -&gt;</small>	Early								\$0.00		
23	<small>Input bloom period -&gt;</small>	Late								\$0.00		

24	Input bloom period ->									\$0.00	
25	Input bloom period ->									\$0.00	
26	Input bloom period ->									\$0.00	
27	Input bloom period ->									\$0.00	
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29	Input bloom period ->									\$0.00	
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31	Input bloom period ->									\$0.00	
32	Input bloom period ->									\$0.00	
33	Input bloom period ->									\$0.00	
34	Input bloom period ->									\$0.00	
35	Input bloom period ->									\$0.00	
36	Input bloom period ->									\$0.00	
37	Input bloom period ->									\$0.00	
38	Input bloom period ->									\$0.00	
39	Input bloom period ->									\$0.00	
40	Input bloom period ->									\$0.00	
		Species Richness	lbs / acre PLS	seeds / ft² PLS	Average CC	ESTIMATED FORB COST (\$/AC)			COST (\$/AC)	\$340	
FORBS/LEGUMES TOTAL		13	1.81	10.00	4.5						

CHOOSE YOUR VINE OR Sub-Shrub PLANT SPECIES											
Common Name	Scientific Name Flowering Period	Lbs / acre PLS	Seeds / ft² PLS	Coefficient of Conservatism	Estimated Cost (\$/lb)	# Seeds / ft² @ 1 oz. / ac	Pure Stand PLS Rate lbs / ac	% of Mix	Estimated Cost (\$/ac)	Functional Group	Monarch Preferred
		Equivalent rate below									
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 / ft² 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 <sup>2</sup> PLS	Average CC	Species Richness	Floristic Quality Index		ESTIMATED GRAND TOTAL COST (\$/AC)
<b>GRAND TOTAL</b>	4.23	20.0	4.7	16	18.8		\$357