

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 ² @ 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	
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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)	\$0
GRAMINOID TOTAL	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 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 Alumroot <small>Input bloom period -></small>	<i>Heuchera richardsonii</i> Early	0.0012	0.30	8	\$900	252.5	0.1	2.0%	\$1	Perennial Forb	
2 Ragwort, Golden <small>Input bloom period -></small>	<i>Packera aurea</i> Early	0.012	0.32	4	\$2,124	26.8	1.3	2.1%	\$25	Perennial Forb	
3 Bundlesflower, Illinois <small>Input bloom period -></small>	<i>Desmanthus illinoensis</i> Mid	0.80	1.12	4	\$45	1.4	25.1	7.3%	\$36	Perennial Forb, Legume	
4 Ticktrefoil, Showy <small>Input bloom period -></small>	<i>Desmodium canadense</i> Mid	0.020	0.040	5	\$150	2.0	17.3	0.3%	\$3	Perennial Forb, Legume	
5 Aster, Smooth Blue <small>Input bloom period -></small>	<i>Symphotrichum laeve</i> Mid	0.019	0.35	8	\$300	18.4	1.9	2.3%	\$6	Perennial Forb	X
6 Bergamot, Wild <small>Input bloom period -></small>	<i>Monarda fistulosa</i> Late	0.062	1.71	4	\$150	27.5	1.3	11.2%	\$9	Perennial Forb	X
7 Coneflower, Eastern Purple <small>Input bloom period -></small>	<i>Echinacea purpurea</i> Late	0.11	0.27	6	\$45	2.4	14.4	1.8%	\$5	Perennial Forb	X
8 Woman's Tobacco (Plantain-Leaved Pu) <small>Input bloom period -></small>	<i>Antennaria plantaginifolia</i> Early	0.0030	0.30	4	\$3,200	101.0	0.3	2.0%	\$10	Perennial Forb	
9 Verbena, Hoary <small>Input bloom period -></small>	<i>Verbena stricta</i> Late	0.018	0.22	2	\$75	12.3	2.9	1.5%	\$1	Perennial Forb	X
10 Mountainmint, Narrowleaf <small>Input bloom period -></small>	<i>Pycnanthemum tenuifolium</i> Mid	0.024	3.33	4	\$450	138.8	0.3	21.9%	\$11	Perennial Forb	X
11 Susan, Black-eyed <small>Input bloom period -></small>	<i>Rudbeckia hirta</i> Late	0.11	3.79	2	\$45	34.4	1.0	24.9%	\$5	Biennial Forb	X
12 Coreopsis, Lanceleaf Tickseed <small>Input bloom period -></small>	<i>Coreopsis lanceolata</i> Mid	0.082	0.60	5	\$1,280	7.3	4.8	4.0%	\$105	Perennial Forb	X
13 Coneflower, Pinnate Prairie (Gray-head) <small>Input bloom period -></small>	<i>Ratibida pinnata</i> Late	0.014	0.20	4	\$60	14.3	2.4	1.3%	\$0.84	Perennial Forb	
14 Wild Indigo, White <small>Input bloom period -></small>	<i>Baptisia alba</i> Late	0.0032	0.0020	6	\$300	0.6	56.1	0.0%	\$0.96	Perennial Forb, Legume	
15 Oxeye, Smooth (False Sunflower) <small>Input bloom period -></small>	<i>Heliopsis helianthoides</i> Late	0.042	0.10	4	\$60	2.4	14.7	0.7%	\$3	Perennial Forb	X
16 Partridge Pea <small>Input bloom period -></small>	<i>Chamaecrista fasciculata</i> Late	0.16	0.18	1	\$25	1.1	30.7	1.2%	\$4	Annual Forb, Legume	
17 Prairie Clover, Purple <small>Input bloom period -></small>	<i>Dalea purpurea</i> Late	0.38	2.37	8	\$45	6.2	5.6	15.6%	\$17	Perennial Forb, Legume	X
18									\$0.00		
19									\$0.00		
20									\$0.00		
21									\$0.00		
22									\$0.00		
23									\$0.00		

24										\$0.00	
	Input bloom period ->										
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38										\$0.00	
	Input bloom period ->										
39										\$0.00	
	Input bloom period ->										
40										\$0.00	
	Input bloom period ->										

	Species Richness	lbs / acre PLS	seeds / ft² PLS	Average CC							
FORBS/LEGUMES TOTAL	17	1.86	15.21	4.6					ESTIMATED FORB COST (\$/AC)	COST (\$/AC)	\$243

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
									\$0.00		
	Input bloom period ->										
									\$0.00		
	Input bloom period ->										
									\$0.00		
	Input bloom period ->										
									\$0.00		
	Input bloom period ->										
									\$0.00		
	Input bloom period ->										

	Species Richness	Lbs / acre PLS	seeds / ft² 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	1.86	15.2	4.6	17	19.2		\$243