

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

CHOOSE A RATE SPECIFICATION:

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



United States
Department of
Agriculture

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

Natural Resources Conservation Service

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
*Select Plants	Growth Form	Equivalent rate below								
1 Bluestem, Little	<i>Schizachyrium scoparium</i>	0.40		5		5.9	6.0	10.9%	\$0.00	Perennial Warm Season Grass
	Bunch		2.34							
2 Wildrye, Canada	<i>Elymus canadensis</i>	0.10		4		2.6	13.3	1.2%	\$0.00	Perennial Cool Season Grass
	Bunch		0.26							
3 Grama, Sideoats	<i>Bouteloua curtipendula</i>	0.25		7		4.4	8.0	5.1%	\$0.00	Perennial Warm Season Grass
	Rhizomatous		1.09							
4 Junegrass, Prairie	<i>Koeleria macrantha</i>	0.080		7		33.6	1.0	12.6%	\$0.00	Perennial Cool Season Grass
	Bunch		2.69							
5 Grama, Blue	<i>Bouteloua gracilis</i>	0.20		5		16.3	2.1	15.2%	\$0.00	Perennial Warm Season Grass
	Bunch		3.26							
6 Dropseed, Rough	<i>Sporobolus clandestinus</i>	0.10		6		34.4	1.0	16.1%	\$0.00	Perennial Warm Season Grass
	Bunch		3.44							
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	
25									\$0.00	
27									\$0.00	

28										\$0.00	
29										\$0.00	
30										\$0.00	
		Species Richness	lbs / acre PLS	seeds / ft² PLS	Average CC				ESTIMATED GRAMINOID COST (\$/AC)	OST (\$/AC)	\$0
GRAMINOID TOTAL		6	1.13	13.09	5.7						

CHOOSE YOUR FORBS/LEGUMES											
↩ Input quantity ↪											
Common Name *Select Plants Click ↪	Scientific Name *Select Bloom Period below Scientific Name	Lbs / acre PLS	Seeds / ft² PLS	Coefficient of Conservatism	Estimated Cost (\$/lb)	# Seeds / ft² @ 1 lb. / ac	Pure Stand PLS Rate lbs / ac	% of Mix	Estimated Cost (\$/ac)	Functional Group	Monarch Preferred
		Equivalent rate below									
1 Aster, New England Input bloom period ->	<i>Symphotrichum novae-angliae</i>	0.0040	0.097	4		24.2	1.4	0.5%	\$0.00	Perennial Forb	X
2 Aster, Smooth Blue Input bloom period ->	<i>Symphotrichum laeve</i>	0.0020	0.037	8		18.4	1.9	0.2%	\$0.00	Perennial Forb	X
3 Susan, Black-eyed Input bloom period ->	<i>Rudbeckia hirta</i>	0.060	2.07	2		34.4	1.0	9.7%	\$0.00	Biennial Forb	X
4 Blazing Star, Prairie Input bloom period ->	<i>Liatris pycnostachya</i>	0.0050	0.014	6		2.8	12.7	0.1%	\$0.00	Perennial Forb	X
5 Bergamot, Wild Input bloom period ->	<i>Monarda fistulosa</i>	0.050	1.38	4		27.5	1.3	6.4%	\$0.00	Perennial Forb	X
6 Goldenrod, Stiff Input bloom period ->	<i>Oligoneuron rigidum</i>	0.0030	0.045	4		15.1	2.3	0.2%	\$0.00	Perennial Forb	X
7 Coneflower, Pinnate Prairie (Gray-headed) Input bloom period ->	<i>Ratibida pinnata</i>	0.030	0.43	4		14.3	2.4	2.0%	\$0.00	Perennial Forb	
8 Verbena, Hoary Input bloom period ->	<i>Verbena stricta</i>	0.010	0.12	2		12.3	2.9	0.6%	\$0.00	Perennial Forb	X
9 Bundlesflower, Illinois Input bloom period ->	<i>Desmanthus illinoensis</i>	0.25	0.35	4		1.4	25.1	1.6%	\$0.00	Perennial Forb, Legume	
10 Coreopsis, Lanceleaf Tickseed Input bloom period ->	<i>Coreopsis lanceolata</i>	0.18	1.32	5		7.3	4.8	6.2%	\$0.00	Perennial Forb	X
11 Beardtongue, Foxglove Input bloom period ->	<i>Penstemon digitalis</i>	0.010	0.48	4		47.8	0.7	2.2%	\$0.00	Perennial Forb	
12 Milkweed, Common Input bloom period ->	<i>Asclepias syriaca</i>	0.010	0.015	0		1.5	23.8	0.1%	\$0.00	Perennial Forb	X
13 Mountainmint, Narrowleaf Input bloom period ->	<i>Pycnanthemum tenuifolium</i>	0.0060	0.83	4		138.8	0.3	3.9%	\$0.00	Perennial Forb	X
14 Oxeye, Smooth (False Sunflower) Input bloom period ->	<i>Heliopsis helianthoides</i>	0.080	0.19	4		2.4	14.7	0.9%	\$0.00	Perennial Forb	X
15 Ticktrefoil, Showy Input bloom period ->	<i>Desmodium canadense</i>	0.020	0.040	5		2.0	17.3	0.2%	\$0.00	Perennial Forb, Legume	
16 Coneflower, Pale Purple Input bloom period ->	<i>Echinacea pallida</i>	0.025	0.048	7		1.9	18.3	0.2%	\$0.00	Perennial Forb	X
17 Prairie Clover, Purple Input bloom period ->	<i>Dalea purpurea</i>	0.080	0.50	8		6.2	5.6	2.3%	\$0.00	Perennial Forb, Legume	X
18 Prairie Clover, White Input bloom period ->	<i>Dalea candida</i>	0.050	0.35	9		7.0	5.0	1.6%	\$0.00	Perennial Forb, Legume	X
19 Input bloom period ->									\$0.00		
20 Input bloom period ->									\$0.00		
21 Input bloom period ->	Late								\$0.00		
22 Input bloom period ->	Early								\$0.00		
23 Input bloom period ->	Late								\$0.00		
24 Input bloom period ->									\$0.00		
25 Input bloom period ->									\$0.00		

	lbs / acre PLS	seeds / ft ² PLS	Average CC	Species Richness	Floristic Quality Index		ESTIMATED GRAND TOTAL COST (\$/AC)
GRAND TOTAL	2.01	21.4	4.9	24	24.1		\$0