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)

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

United States Department of Agriculture

Natural Resources Conservation Service

Criteria Revision Update 5/26/2020

Species Information Update 5/26/2020

CHOOSE YOUR GRASSES

Input quantity

	Common Name / *Select Plants (Click)	Scientific Name / Growth Form	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
			Equivalent rate below								
1	**Bluegrass, Fowl**	***Poa palustris***	**0.050**		7		47.8	0.7	9.5%	$0.00	Perennial Cool Season Grass
		Bunch		**2.39**							
2	**Bluestem, Big**	***Andropogon gerardii***	**1.00**		5		3.0	11.7	11.8%	$0.00	Perennial Warm Season Grass
		Bunch		**2.98**							
3	**Cordgrass, Prairie**	***Spartina pectinata***	**0.080**		4		2.4	14.4	0.8%	$0.00	Perennial Warm Season Grass
		Rhizomatous		**0.19**							
4	**Bulrush, Green**	***Scirpus atrovirens***	**0.020**		4		169.0	0.2	13.4%	$0.00	Perennial Cool Season Sedge
		Bunch		**3.38**							
5	**Sedge, Fox**	***Carex vulpinoidea***	**0.060**		3		29.8	1.2	7.1%	$0.00	Perennial Cool Season Sedge
		Bunch		**1.79**							
6	**Switchgrass**	***Panicum virgatum***	**0.50**		4		9.2	4.0	18.2%	$0.00	Perennial Warm Season Grass
		Rhizomatous		**4.59**							
7	**Wildrye, Virginia**	***Elymus virginicus***	**2.00**		4		1.7	20.3	13.7%	$0.00	Perennial Cool Season Grass
		Bunch		**3.44**							
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 / ft^2 PLS	Average CC			
GRAMINOID TOTAL	7	3.71	18.77	4.4	ESTIMATED GRAMINOID COST ($/AC)	OST ($/AC)	$0

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 ($/lb)	# Seeds / ft^2 @ 1 lb. / ac	Pure Stand PLS Rate lbs / ac	% of Mix	Estimated Cost ($/ac)	Functional Group	Monarch Preferred
			Equivalent rate below									
1	**Anemone, Meadow**	***Anemone canadensis***	**0.0080**		4		2.9	11.9	0.1%	$0.00	Perennial Forb	
	Input bloom period ->	Early		**0.024**								
2	**Aster, New England**	***Symphyotrichum novae-angliae***	**0.0080**		4		24.2	1.4	0.8%	$0.00	Perennial Forb	X
	Input bloom period ->	Late		**0.19**								
3	**Boneset, Common**	***Eupatorium perfoliatum***	**0.0060**		4		58.8	0.6	1.4%	$0.00	Perennial Forb	X
	Input bloom period ->	Late		**0.35**								
4	**Beardtongue, Foxglove**	***Penstemon digitalis***	**0.0080**		4		47.8	0.7	1.5%	$0.00	Perennial Forb	
	Input bloom period ->	Early		**0.38**								
5	**Meadow-Rue, Purple**	***Thalictrum dasycarpum***	**0.076**		5		4.0	8.7	1.2%	$0.00	Perennial Forb	
	Input bloom period ->	Mid		**0.31**								
6	**Joe Pye Weed, Spotted**	***Eutrochium maculatum***	**0.010**		5		34.9	1.0	1.4%	$0.00	Perennial Forb	X
	Input bloom period ->	Mid		**0.35**								
7	**Verbena, Swamp (Blue)**	***Verbena hastata***	**0.050**		3		34.2	1.0	6.8%	$0.00	Perennial Forb	X
	Input bloom period ->	Late		**1.71**								
8	**Susan, Browneyed**	***Rudbeckia triloba***	**0.020**		3		12.9	2.7	1.0%	$0.00	Biennial Forb	X
	Input bloom period ->	Mid		**0.26**								
9	**St. Johnswort, Great**	***Hypericum ascyron***	**0.0050**		8		69.8	0.5	1.4%	$0.00	Perennial Forb	
	Input bloom period ->	Mid		**0.35**								
10	**Sneezeweed, Common**	***Helenium autumnale***	**0.0050**		3		51.4	0.7	1.0%	$0.00	Perennial Forb	
	Input bloom period ->	Late		**0.26**								
11	**Lobelia, Great Blue**	***Lobelia siphilitica***	**0.0030**		4		183.7	0.2	2.2%	$0.00	Perennial Forb	X
	Input bloom period ->	Mid		**0.55**								
12	**Monkeyflower, Allegheny**	***Mimulus ringens***	**0.0020**		5		844.8	0.04	6.7%	$0.00	Perennial Forb	
	Input bloom period ->	Late		**1.69**								
13										$0.00		
	Input bloom period ->	Early										
14										$0.00		
	Input bloom period ->	Mid										
15										$0.00		
	Input bloom period ->	Late										
16										$0.00		
	Input bloom period ->	Early										
17										$0.00		
	Input bloom period ->	Mid										
18										$0.00		
	Input bloom period ->	Mid										
19										$0.00		
	Input bloom period ->	Mid										
20										$0.00		
	Input bloom period ->	Late										
21										$0.00		
	Input bloom period ->	Late										
22										$0.00		
	Input bloom period ->	Early										
23										$0.00		
	Input bloom period ->	Late										

24										$0.00		
	Input bloom period ->											
25										$0.00		
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26										$0.00		
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27										$0.00		
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29										$0.00		
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31										$0.00		
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32										$0.00		
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35										$0.00		
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36										$0.00		
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37										$0.00		
	Input bloom period ->											
38										$0.00		
	Input bloom period ->											
39										$0.00		
	Input bloom period ->											
40										$0.00		
	Input bloom period ->											
		Species Richness	**lbs / acre PLS**	**seeds / ft^2 PLS**	**Average CC**							
	FORBS/LEGUMES TOTAL	12	0.20	6.42	4.3				ESTIMATED FORB COST ($/AC)	COST ($/AC)	$0	

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 ($/lb)	# Seeds / ft^2 @ 1 oz. / ac	Pure Stand PLS Rate lbs / ac	% of Mix	Estimated Cost ($/ac)	Functional Group	Monarch Preferred
			Equivalent rate below									
1										$0.00		
	Input bloom period ->	Mid										
2										$0.00		
	Input bloom period ->	Mid										
3										$0.00		
	Input bloom period ->											
4										$0.00		
	Input bloom period ->											
5										$0.00		
	Input bloom period ->											
		Species Richness	**Lbs / acre PLS**	**seeds / ft^2 PLS**	**Average CC**							
	VINE & WOODY PLANT TOTAL	0	0.00	0.00	0.0				**ESTIMATED VINE & WOODY COST ($/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	3.91	25.2	4.4	19	19.0	$0	