

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 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, Big	<i>Andropogon gerardii</i>	0.60		5	\$7	3.0	11.7	5.4%	\$4	Perennial Warm Season Grass
	Bunch		1.79							
2 Grama, Sideoats	<i>Bouteloua curtipendula</i>	0.70		7	\$9	4.4	8.0	9.3%	\$6	Perennial Warm Season Grass
	Rhizomatous		3.05							
3 Bluestem, Little	<i>Schizachyrium scoparium</i>	0.70		5	\$12	5.9	6.0	12.4%	\$8	Perennial Warm Season Grass
	Bunch		4.10							
4 Indiangrass	<i>Sorghastrum nutans</i>	0.30		4	\$6	3.9	9.0	3.5%	\$2	Perennial Warm Season Grass
	Bunch		1.17							
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	

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	4	2.30	10.11	5.3	ESTIMATED GRAMINOID COST (\$/AC)		OST (\$/AC)	\$21		

CHOOSE YOUR FORBS/LEGUMES ↩ Input quantity ↪

	Common Name <small>*Select Plants Click ↪</small>	Scientific Name <small>*Select Bloom Period below Scientific Name</small>	Lbs / acre PLS	Seeds / ft ² PLS	Equivalent rate below	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
1	Milkvetch, Canadian <small>Input bloom period -></small>	<i>Astragalus canadensis</i> Mid	0.020	0.11		7	\$120	5.7	6.1	0.3%	\$2	Perennial Forb, Legume	
2	Partridge Pea <small>Input bloom period -></small>	<i>Chamaecrista fasciculata</i> Mid	0.35	0.40		1	\$25	1.1	30.7	1.2%	\$9	Annual Forb, Legume	
3	Prairie Clover, White <small>Input bloom period -></small>	<i>Dalea candida</i> Mid	0.040	0.28		9	\$90	7.0	5.0	0.8%	\$4	Perennial Forb, Legume	X
4	Prairie Clover, Purple <small>Input bloom period -></small>	<i>Dalea purpurea</i> Late	0.20	1.25		8	\$45	6.2	5.6	3.8%	\$9	Perennial Forb, Legume	X
5	Bundleflower, Illinois <small>Input bloom period -></small>	<i>Desmanthus illinoensis</i> Mid	0.40	0.56		4	\$45	1.4	25.1	1.7%	\$18	Perennial Forb, Legume	
6	Milkweed, Butterfly <small>Input bloom period -></small>	<i>Asclepias tuberosa</i>	0.015	0.024		5	\$300	1.6	22.2	0.1%	\$5	Perennial Forb	X
7	Milkweed, Common <small>Input bloom period -></small>	<i>Asclepias syriaca</i> Mid	0.040	0.059		0	\$120	1.5	23.8	0.2%	\$5	Perennial Forb	X
8	Oxeye, Smooth (False Sunflower) <small>Input bloom period -></small>	<i>Heliopsis helianthoides</i>	0.10	0.24		4	\$60	2.4	14.7	0.7%	\$6	Perennial Forb	X
9	Coreopsis, Lanceleaf Tickseed <small>Input bloom period -></small>	<i>Coreopsis lanceolata</i> Mid	0.20	1.47		5	\$1,280	7.3	4.8	4.5%	\$256	Perennial Forb	X
10	Coneflower, Eastern Purple <small>Input bloom period -></small>	<i>Echinacea purpurea</i> Mid	0.23	0.56		6	\$45	2.4	14.4	1.7%	\$10	Perennial Forb	X
11	Coneflower, Pinnate Prairie (Gray-head) <small>Input bloom period -></small>	<i>Ratibida pinnata</i>	1.00	14.33		4	\$60	14.3	2.4	43.4%	\$60	Perennial Forb	
12	Bergamot, Wild <small>Input bloom period -></small>	<i>Monarda fistulosa</i> Late	0.050	1.38		4	\$150	27.5	1.3	4.2%	\$8	Perennial Forb	X
13	Susan, Black-eyed <small>Input bloom period -></small>	<i>Rudbeckia hirta</i>	0.065	2.24		2	\$45	34.4	1.0	6.8%	\$3	Biennial 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		

	lbs / acre PLS	seeds / ft ² PLS	Average CC	Species Richness	Floristic Quality Index		ESTIMATED GRAND TOTAL COST (\$/AC)
GRAND TOTAL	5.01	33.0	4.7	17	19.4		\$415

Illinois NRCS 420 Wildlife Habitat Planting Implementation Requirements Full Seeding			
Requirement	Criteria	Mix	Criteria Met
Requirements for sites on < 5% slope			
Grass Seeds/ft ² , Minimum	10.0	10.1	Meets Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	5.0	22.9	Meets Criteria
Total Seeds/ft ² , Minimum	20.0	33.0	Meets Criteria
Requirements for sites on >=5% slope			
Grass Seeds/ft ² , Minimum	20.0	10.1	Does Not Meet Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	5.0	22.9	Meets Criteria
Total Seeds/ft ² , Minimum	30.0	33.0	Meets Criteria
Wildlife Special Purposes Escape and Nesting Cover Requirements			
Wildlife monoculture native grass (PLS/ft ²)	30.0	10.1	Does Not Meet Criteria

Illinois NRCS 420 Wildlife Habitat Planting Diverse Grass and Forb Stand (>15 desirable Species) Interseeding 1/2 Rate			
Requirement	Criteria	Mix	Criteria Met
Grass and Forb Interseeding on < 5% slope			
Grass Seeds/ft ² , Minimum	5.0	10.1	Meets Criteria
Forb & Shrub Seeds/ft ² , Minimum	2.5	22.9	Meets Criteria
Total Seeds/ft ² , minimum	10.0	33.0	Meets Criteria
Forb Only Interseeding on < 5% slope			
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	22.9	Meets Criteria
Grass and Forb Interseeding on >= 5% slope			
Grass Seeds/ft ² , Minimum	10	10.1	Meets Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	22.9	Meets Criteria
Total Seeds/ft ² , Minimum	15	33.0	Meets Criteria
Forb Only Interseeding on >= 5% slope			
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	22.9	Meets Criteria