

Customize Options to Suit Site Conditions

← Pick an Ecoregion

eric (dry)
 esic (medium)
 ydric (wet)

Prairie
 Savanna
 Wetland
 Woodland

Long Term Program
 Short Term Program

Monarch Preferred Species
Forage and Biomass (512) Planting



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

Natural Resources Conservation Service

CHOOSE A RATE SPECIFICATION:

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

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 Click ↴	Growth Form									
1 Rush, Common	<i>Juncus effusus</i>	0.0050		4	\$150	367.3	0.10	9.1%	\$0.75	Perennial Cool Season Rush
	Bunch		1.84							
2 Bluegrass, Fowl	<i>Poa palustris</i>	0.020		7	\$16	47.8	0.7	4.8%	\$0.32	Perennial Cool Season Grass
	Bunch		0.96							
3 Bulrush, Green	<i>Scirpus atrovirens</i>	0.0060		4	\$45	169.0	0.2	5.1%	\$0.27	Perennial Cool Season Sedge
	Bunch		1.01							
4 Switchgrass	<i>Panicum virgatum</i>	0.20		4	\$8	9.2	4.0	9.1%	\$2	Perennial Warm Season Grass
	Rhizomatous		1.84							
5 Sedge, Fox	<i>Carex vulpinoidea</i>	0.10		3	\$100	29.8	1.2	14.8%	\$10	Perennial Cool Season Sedge
	Bunch		2.98							
6 Wildrye, Virginia	<i>Elymus virginicus</i>	0.45		4	\$15	1.7	20.3	3.9%	\$7	Perennial Cool Season Grass
	Bunch		0.77							
7 Sedge, Broom	<i>Carex scoparia</i>	0.020		5	\$180	30.9	1.1	3.1%	\$4	Perennial Cool Season Sedge
	Bunch		0.62							
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	

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)				\$23
GRAMINOID TOTAL		7	0.80	10.01	4.4					

CHOOSE YOUR FORBS/LEGUMES												
↩ Input quantity ↪												
Common Name *Select Plants	Scientific Name *Select Bloom Period below Scientific Name	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	Milkweed, Swamp Input bloom period -> Mid	0.020	0.032	4	\$180	1.6	22.2	0.2%	\$4	Perennial Forb	X	
2	Doll's Daisy, White Input bloom period -> Mid	0.0050	0.29	5	\$166	58.8	0.6	1.5%	\$0.83	Perennial Forb	X	
3	Mistflower, Blue Input bloom period -> Mid	0.0050	0.64	3	\$960	128.6	0.3	3.2%	\$5	Perennial Forb	X	
4	Aster, Flat-Topped Input bloom period -> Late	0.010	0.25	*	\$450	24.6	1.4	1.2%	\$5	Perennial Forb	X	
5	Boneset, Common Input bloom period -> Late	0.0030	0.18	4	\$300	58.8	0.6	0.9%	\$0.90	Perennial Forb	X	
6	Joe Pye Weed, Spotted Input bloom period -> Mid	0.0030	0.10	5	\$300	34.9	1.0	0.5%	\$0.90	Perennial Forb	X	
7	Sneezeweed, Common Input bloom period -> Mid	0.0050	0.26	3	\$150	51.4	0.7	1.3%	\$0.75	Perennial Forb		
8	Blazing Star, Dense Input bloom period -> Mid	0.010	0.040	7	\$150	4.0	8.7	0.2%	\$2	Perennial Forb	X	
9	Cardinal Flower Input bloom period -> Mid	0.0010	0.15	6	\$1,200	146.9	0.2	0.7%	\$1	Perennial Forb	X	
10	Lobelia, Great Blue Input bloom period -> Mid	0.0070	1.29	4	\$600	183.7	0.2	6.4%	\$4	Perennial Forb	X	
11	Seedbox Input bloom period -> Mid	0.0030	1.43	5	\$480	477.5	0.07	7.1%	\$1	Perennial Forb		
12	Monkeyflower, Allegheny Input bloom period -> Late	0.0020	1.69	5	\$300	844.8	0.04	8.4%	\$0.60	Perennial Forb		
13	Goldenrod, Riddell's Input bloom period -> Late	0.0030	0.10	7	\$150	34.2	1.0	0.5%	\$0.45	Perennial Forb	X	
14	Mountainmint, Narrowleaf Input bloom period -> Mid	0.0050	0.69	4	\$450	138.8	0.3	3.5%	\$2	Perennial Forb	X	
15	Mountainmint, Virginia (Common) Input bloom period -> Late	0.0020	0.16	5	\$450	80.8	0.4	0.8%	\$0.90	Perennial Forb	X	
16	Coneflower, Sweet Input bloom period -> Mid	0.020	0.32	5	\$150	15.8	2.2	1.6%	\$3	Perennial Forb	X	
17	Susan, Browneyed Input bloom period -> Late	0.020	0.26	3	\$90	12.9	2.7	1.3%	\$2	Biennial Forb	X	
18	Aster, New England Input bloom period -> Mid	0.010	0.24	4	\$300	24.2	1.4	1.2%	\$3	Perennial Forb	X	
19	Aster, Purplestem Input bloom period -> Mid	0.0050	0.15	7	\$450	29.4	1.2	0.7%	\$2	Perennial Forb	X	
20	Meadow-Rue, Purple Input bloom period -> Early	0.010	0.040	5	\$300	4.0	8.7	0.2%	\$3	Perennial Forb		
21	Verbena, Swamp (Blue) Input bloom period -> Mid	0.050	1.71	3	\$640	34.2	1.0	8.5%	\$32	Perennial Forb	X	
22	Ironweed, Prairie Input bloom period -> Late	0.0050	0.044	5	\$225	8.8	4.0	0.2%	\$1	Perennial Forb	X	
23									\$0.00			

	lbs / acre PLS	seeds / ft ² PLS	Average CC	Species Richness	Floristic Quality Index		ESTIMATED GRAND TOTAL COST (\$/AC)
GRAND TOTAL	1.01	20.1	4.6	29	25.0		\$98

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	10.0	Meets Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	5.0	10.1	Meets Criteria
Total Seeds/ft ² , Minimum	20.0	20.1	Meets Criteria
Requirements for sites on >=5% slope			
Grass Seeds/ft ² , Minimum	20.0	10.0	Does Not Meet Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	5.0	10.1	Meets Criteria
Total Seeds/ft ² , Minimum	30.0	20.1	Does Not Meet Criteria
Wildlife Special Purposes Escape and Nesting Cover Requirements			
Wildlife monoculture native grass (PLS/ft ²)	30.0	10.0	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	10.0	Meets Criteria
Forb & Shrub Seeds/ft ² , Minimum	2.5	10.1	Meets Criteria
Total Seeds/ft ² , minimum	10.0	20.1	Meets Criteria
Forb Only Interseeding on < 5% slope			
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.1	Meets Criteria
Grass and Forb Interseeding on >= 5% slope			
Grass Seeds/ft ² , Minimum	10	10.0	Meets Criteria
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.1	Meets Criteria
Total Seeds/ft ² , Minimum	15	20.1	Meets Criteria
Forb Only Interseeding on >= 5% slope			
Forb & Sub-shrub Seeds/ft ² , Minimum	2.5	10.1	Meets Criteria