

Customize Options to Suit Site Conditions



United States Department of Agriculture
Natural Resources Conservation Service

Xeric (dry) Mesic (medium) Hydric (wet)

Prairie Savanna Wetland Woodland

CHOOSE A RATE SPECIFICATION:

lbs/acre PLS Seeds/ft² PLS

Current Version 09/09/22

CHOOSE YOUR GRASSES

Common Name	Scientific Name <i>Growth Form</i>	Lbs / acre PLS	Seeds / ft ² PLS	Coefficient of Conservatism	# Seeds / ft ² @ 1 lb. / ac	% of Mix	Functional Group
		Equivalent rate below					
Big Bluestem	Andropogon gerardii		4.500	6	3.6731	11.25%	Perennial Warm Season Grass
	<i>Bunch</i>	1.225					
Indiangrass	Sorghastrum nutans		3.000	6	4.4077	7.50%	Perennial Warm Season Grass
	<i>Bunch</i>	0.681					
Switchgrass	Panicum virgatum		4.000	7	5.1423	10.00%	Perennial Warm Season Grass
	<i>Rhizomatous</i>	0.778					
Virginia Wildrye	Elymus virginicus		0.500	4	1.5427	1.25%	Perennial Cool Season Grass
	<i>Bunch</i>	0.324					
Rough Dropseed	Sporobolus compositus		8.000	4	11.0193	20.00%	Perennial Warm Season Grass
	<i>Bunch</i>	0.726					

GRAMINOID TOTAL	Species Richness	lbs / acre PLS	seeds / ft² PLS	Average CC
	5	3.734	20.000	5.4

CHOOSE YOUR FORBS/LEGUMES

Common Name	Scientific Name <i>Flowering Period</i>	Lbs / acre PLS	Seeds / ft2 PLS	Coefficient of Conservatism	# Seeds / ft ² @ 1 lb. / ac	% of Mix	Functional Group
		Equivalent rate below					
Black-eyed Susan	Rudbeckia hirta <i>Summer, Fall</i>	0.115	3.880	3	33.792	9.70%	Biennial Forb
Gray-headed Coneflower	Ratibida pinnata <i>Summer, Fall</i>	0.091	1.000	4	11.019	2.50%	Perennial Forb
Illinois Bundle Flower	Desmanthus illinoensis <i>Summer</i>	0.065	0.100	5	1.5427	0.25%	Perennial Forb, Legume
Purple Prairie Clover	Dalea purpurea <i>Summer, Fall</i>	0.378	2.500	7	6.6116	6.25%	Perennial Forb, Legume
Illinois Ticktrefoil	Desmodium illinoense <i>Summer</i>	0.063	0.100	6	1.5794	0.25%	Perennial Forb, Legume
Round-headed Bush Clover	Lespedeza capitata <i>Summer, Fall</i>	0.017	0.050	4	2.9385	0.13%	Perennial Forb, Legume
White Prairie Clover	Dalea candida <i>Summer, Fall</i>	0.358	2.500	9	6.9789	6.25%	Perennial Forb, Legume
Blue Sky Aster	Symphyotrichum oolentangiense <i>Summer, Fall</i>	0.010	0.300	8	29.3848	0.75%	Perennial Forb
Rattlesnake Master	Eryngium yuccifolium <i>Summer, Fall</i>	0.018	0.050	7	2.7548	0.13%	Perennial Forb
Compass Plant	Silphium laciniatum <i>Summer, Fall</i>	0.083	0.020	7	0.2	0.05%	Perennial Forb
Butterfly Weed	Asclepias tuberosa <i>Summer</i>	0.019	0.030	7	1.5794	0.08%	Perennial Forb
Ohio Spiderwort	Tradescantia ohiensis <i>Spring, Summer</i>	0.0034	0.010	4	2.9385	0.03%	Perennial Forb
Sweet Coneflower	Rudbeckia subtomentosa <i>Summer, Fall</i>	0.019	0.300	6	15.7943	0.75%	Perennial Forb
Pale Purple Coneflower	Echinacea pallida <i>Summer</i>	0.157	0.300	7	1.9100	0.75%	Perennial Forb
Ironweed	Vernonia fasciculata <i>Summer, Fall</i>	0.034	0.300	4	8.8154	0.75%	Perennial Forb
Wild Bergamot	Monarda fistulosa <i>Summer, Fall</i>	0.012	0.300	3	25.7117	0.75%	Perennial Forb
Old Field Goldenrod	Solidago nemoralis <i>Summer, Fall</i>	0.0045	0.500	5	110.1928	1.25%	Perennial Forb
Swamp Milkweed	Asclepias incarnata <i>Summer</i>	0.057	0.100	4	1.7631	0.25%	Perennial Forb
Hairy Aster	Symphyotrichum pilosum <i>Fall</i>	0.0039	0.200	1	51.4233	0.50%	Perennial Forb
Stiff Goldenrod	Oligoneuron rigidum <i>Summer, Fall</i>	0.020	0.300	4	15.0597	0.75%	Perennial Forb
Oxeye, False Sunflower	Heliopsis helianthoides <i>Summer, Fall</i>	0.130	0.300	4	2.3140	0.75%	Perennial Forb
Golden Alexander's	Zizia aurea <i>Spring, Summer</i>	0.074	0.300	7	4.0404	0.75%	Perennial Forb
Foxglove Beardtongue	Penstemon digitalis <i>Summer</i>	0.031	1.500	5	47.7502	3.75%	Perennial Forb
Virginia Mountain Mint	Pycnanthemum virginianum <i>Summer, Fall</i>	0.012	1.000	4	80.8081	2.50%	Perennial Forb
Obedient Plant	Physostegia virginiana <i>Summer, Fall</i>	0.012	0.100	6	8.0808	0.25%	Perennial Forb
Large-flowered Beardtongue	Penstemon grandiflorus <i>Spring, Summer</i>	0.058	0.300	7	5.1423	0.75%	Perennial Forb
Prairie Blazing Star	Liatris pycnostachya <i>Summer, Fall</i>	0.012	0.050	7	4.0404	0.13%	Perennial Forb
White Sage	Artemisia ludoviciana <i>Summer, Fall</i>	0.011	1.000	4	91.8274	2.50%	Perennial Forb
Canadian Milkvetch	Astragalus canadensis <i>Summer</i>	0.160	1.000	5	6.2443	2.50%	Perennial Forb, Legume
Prairie Cinquefoil	Potentilla arguta <i>Summer, Fall</i>	0.016	1.310	9	84.4812	3.28%	Perennial Forb

	Species Richness	lbs / acre PLS	seeds / ft ² PLS	Average CC
FORBS/LEGUMES TOTAL	32	2.209	19.900	5.2

CHOOSE YOUR VINE OR WOODY PLANT SPECIES

Common Name	Scientific Name	Lbs / acre PLS	Seeds / ft ² PLS	Coefficient of Conservatism	# Seeds / ft ² @ 1 oz. / ac	% of Mix	Functional Group
		Equivalent rate below					
Lead Plant	Amorpha canescens		0.100	8	5.8770	0.25%	Sub-Shrub, Legume
	Flowering Period						
	Summer	0.017					

	Species Richness	Lbs / acre PLS	seeds / ft ² PLS	Average CC
VINE & WOODY PLANT TOTAL	1	0.017	0.100	8.0

	lbs / acre PLS	seeds / ft ² PLS	Average CC	Species Richness	Floristic Quality Index
GRAND TOTAL	5.960	40.000	5.3	38	32.8