

Conservation Prairie - Dry Southwest Seed Mix

Guild	Scientific Name	Common Name	Rate: PLS lb/acre	Rate: Seeds/sqft	Height (in.)	Successional Stage	Hydro- logic Zone	Pollinator Value	Bloom Time (month)	Notes - Wildlife Value, Regional Suitability (E.S. = Ecological Section)
G	<i>Andropogon gerardii</i>	big bluestem	1.5	5.51	36-96	L	M - D	Nests	M	
G	<i>Bouteloua curtipendula</i>	side-oats grama	1.75	3.86	12-36	M	MZ, D	Nests	7,8,9	
G	<i>Bouteloua gracilis</i>	blue grama	0.4	5.88	6-20	L	D	Nests	7,8,9	
G	<i>Elymus canadensis</i>	nodding wild rye	1.2	2.29	36-60	E	MZ, D	None	7,8	
G	<i>Elymus trachycaulus</i>	slender wheatgrass	1	2.53	24	M	MZ, D	None	6,7	
G	<i>Hesperostipa spartea (Stipa)</i>	porcupine grass	0.8	0.20	48	L	D	None	5,6	
G	<i>Koeleria macrantha (pyramidata)</i>	junegrass	0.2	14.69	12-24	L	D	None		
G	<i>Panicum oligosanthes</i>	Scribner's panic grass	0.01	0.03	12	M	MZ, D		5,6,7,8,9	
G	<i>Schizachyrium scoparium</i>	little bluestem	1.75	9.64	12-30	L	MZ, D	None	8,9	
G	<i>Sorghastrum nutans</i>	Indian grass	0.8	3.53	36-96	L	M	Nests	8,9	
G	<i>Sporobolus cryptandrus</i>	sand dropseed	0.1	7.35	12-36	L	MZ, D	None	7,8	Sand specialist
G	<i>Sporobolus heterolepis</i>	prairie dropseed	0.2	1.18	18-48	L	MZ	Nests	8,9	
Graminoids subtotal: 12										
F	<i>Allium stellatum</i>	prairie wild onion	0.04	0.16	6-12	M	MZ, D	Medium	6,7	
L	<i>Amarpha canescens</i>	lead plant	0.1	0.59	18-48	L	MZ, D	Very High	6,7,8	
F	<i>Anemone cylindrica</i>	long-headed thimbleweed	0.02	0.19	18-24	L	MZ, D	Low	6,7	
A	<i>Antennaria plantaginifolia</i>	plantain-leaved pussytoes	0.01	1.01	12	L	D	None	4,5,6	
F	<i>Asclepias tuberosa</i>	butterfly milkweed	0.02	0.03	24-36	L	MZ, D	Very High	6,7,8	Not native in west part of E.S. 9
F	<i>Asclepias verticillata</i>	whorled milkweed	0.01	0.05	10-20	L	MZ, D	Very High	6,7,8,9	Rare in E.S. 4 north of Polk Co.
L	<i>Astragalus canadensis</i>	Canada milk vetch	0.06	0.40	12-48	M	MZ, D	Low	7,8	
A	<i>Coreopsis palmata</i>	bird's foot coreopsis	0.5	1.84	12-30	L	MZ, D	Medium	7,8	
L	<i>Dalea candida</i>	white prairie clover	0.06	0.40	12-30	M	MZ, D	Medium	6,7,8	
L	<i>Dalea purpurea</i>	purple prairie clover	0.1	0.55	12-30	M	MZ, D	Very High	7,8	
L	<i>Desmodium canadense</i>	Canada tick trefoil	0.04	0.09	24-48	M	MZ	Low	7,8	Historically rare in E.S. 4
A	<i>Echinacea pallida var. angustifolia</i>	narrow-leaved purple coneflower	0.08	0.20	12-48	L	MZ, D	High	6,7	Not native in E.S. 4 north of Polk Co.
A	<i>Heliopsis helianthoides</i>	ox-eye	0.04	0.10	24-60	M	MZ, D	Very Low	6,7,8	
L	<i>Lespedeza capitata</i>	round-headed bush clover	0.03	0.10	12-24	M	MZ, D	Low	7,8	
A	<i>Liatris aspera</i>	rough blazing star	0.02	0.13	24-36	L	MZ, D	High	7,8,9	
A	<i>Liatris punctata</i>	dotted blazing star	0.02	0.05	12-24	L	D	Very High	7,8,9	
F	<i>Linum sulcatum</i>	grooved yellow flax	0.08	0.12	8-24		D		6,7,8	
F	<i>Monarda fistulosa</i>	wild bergamot	0.03	0.76	24-48	M	MZ, D	Very High	7,8	
F	<i>Oenothera biennis</i>	common evening primrose	0.01	0.33	72	E	MZ - D	Medium	6,7,8,9	Biennial
A	<i>Oligoneuron rigidum (Solidago rigida)</i>	stiff goldenrod	0.07	1.00	12-60	M	MZ, D	Very High	8,9	
F	<i>Penstemon grandiflorus</i>	large-flowered beard tongue	0.02	0.10	24-40	L	D	Very High	6,7	Native only to naturally sand-gravel areas within this range
F	<i>Potentilla arguta</i>	tall cinquefoil	0.02	1.69	24	L	MZ, D	Medium	6,7,8,9	
A	<i>Ratibida pinnata</i>	gray-headed coneflower	0.2	2.20	36-72	M	MZ	Medium	7,8,9	
F	<i>Rosa arkansana</i>	prairie rose	0.2	0.18	24	L	MZ, D	High	6,7,8	
A	<i>Rudbeckia hirta</i>	black-eyed susan	0.07	2.20	12-36	E	MZ	Very Low	7,8,9,10	
F	<i>Sisyrinchium campestre</i>	field blue-eyed grass	0.01	0.17	6	L	D	Low	5,6	
A	<i>Solidago nemoralis</i>	gray goldenrod	0.01	1.10	6-36	L	D	High	7,8	
A	<i>Symphyotrichum ericoides (Aster)</i>	heath aster	0.01	0.90	12-36	M	MZ, D	High	8,9,10	
A	<i>Symphyotrichum laeve (Aster)</i>	smooth aster	0.03	0.60	31-54	L	MZ, D	High	8,9,10	
A	<i>Symphyotrichum oolentangiense (Aster oolentangiensis)</i>	skyblue aster	0.02	0.59	36	M, L	MZ, D	High	8,9,10	
A	<i>Symphyotrichum sericeum (Aster sericeus)</i>	silky aster	0.04	0.38	12-30	L	D	Very High	8,9,10	
F	<i>Tradescantia bracteata</i>	bracted spiderwort	0.02	0.06	12	M	MZ, D	High	5,6,7	In E.S. 4, not north of Polk Co.
F	<i>Verbena stricta</i>	hoary vervain	0.1	1.00	18-36	M	D	Medium	7,8,9	
F	<i>Viola pedatifida</i>	bearded birdfoot violet	0.03	0.31	6	L	MZ, D	Low	4,5,6	Preferred food of regal fritillaries
F	<i>Zizia aurea</i>	golden alexanders	0.21	0.85	12-36	M	M, MZ	Low	4,5,6	
Forbs subtotal: 35										
Total Species Richness: 47			Total Seeding Rate: 12 lbs/acre		77 Seeds/sqft					
Total Cost/Acre: \$872			(Opt.) Cover Crop - 4.25		1.9					
Seed mix cost estimate based on 2013 pricing			Oats/Winter Wheat lbs/acre		Seeds/sqft					
<p>Guild: G = grasses and grasslike species F = forbs (flowering plants) A = flowering plants in the Aster family (Asteraceae) L = nitrogen fixing plants in the legume family (Fabaceae)</p> <p>PLS: Pure live seed (% pure * % viable / 100) (See, for example: https://www.nrcs.usda.gov/Internet/FSE_PLANTMATERIALS/publications/lapmctn9045.pdf)</p> <p>Successional stage: E = early M = mid L = late</p> <p>Hydrologic zone: E = emergent S = saturated M = moist MZ = mesic D = dry</p> <p>Source: State Seed Mix 35-521 with additions/substitutions selected from the Native Seed Mix Design Worksheet and other sources. For more information, see: nature.org/MNPrarieRestorationGuides.</p>										