### Conservation Prairie - Dry Southwest Seed Mix

#### Guild | Scientific Name | Common Name | Rate: PLS lb/acre | Rate: Seeds/sqft | Height (in.) | Successional Stage | Hydrologic Zone | Pollinator Value | Bloom Time (month) | Notes - Wildlife Value, Regional Suitability (E.S. = Ecological Section)
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
G | Andropogon gerardii | big bluestem | 1.5 | 5.51 | 36-96 | L | M | D | Nests | M | 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)
G | Bouteloua curtipendula | side-oats grama | 1.75 | 3.86 | 12-36 | M | M | D | Nests | M | 8,7,8,9
G | Bouteloua gracilis | blue grama | 0.4 | 5.88 | 6-20 | L | D | D | Nests | 7,8,9
G | Elymus canadensis | noding wild rye | 1.2 | 2.29 | 36-60 | E | M | D | None | 7,8
G | Elymus trachycaulus | slender wheatgrass | 1.0 | 2.53 | 24 | M | M | D | None | 6,7
G | Hesperis altaica | sweet vetch | 0.8 | 0.20 | 48 | L | D | D | None | 5,6
G | Koeleria macrantha | junegrass | 0.2 | 14.69 | 12-24 | L | D | D | None | 8,9
G | Panicum oligosanthes | Scribner’s panic grass | 0.01 | 0.03 | 12 | M | M | D | None | 5,6,7,8,9,9
G | Schizachyrium scoparium | little bluestem | 1.75 | 9.64 | 12-30 | L | M | D | None | 8,9
G | Sorgastrum nutans | Indian grass | 0.8 | 3.53 | 36-96 | L | M | M | Nests | 8,9
G | Sporobolus cryptandrus | sand dropseed | 0.1 | 7.35 | 12-36 | L | M | D | None | 7,8
G | Sporobolus heterolepis | prairie dropseed | 0.2 | 1.18 | 18-48 | L | M | M | Nests | 8,9

#### Graminoids subtotal: 12

<table>
<thead>
<tr>
<th>Family</th>
<th>Species</th>
<th>Value</th>
<th>Notes - Wildlife Value, Regional Suitability (E.S. = Ecological Section)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Allium thunbergii</td>
<td>medium</td>
<td>Not native in E.S. 9</td>
</tr>
<tr>
<td>L</td>
<td>Anemone cylindrica</td>
<td>medium</td>
<td>Rare in E.S. 4 north of Polk Co.</td>
</tr>
<tr>
<td>A</td>
<td>Antennaria plantaginifolia</td>
<td>medium</td>
<td>Not native in E.S. 4 north of Polk Co.</td>
</tr>
<tr>
<td>F</td>
<td>Asclepias tuberosa</td>
<td>high</td>
<td>Rare in E.S. 4 north of Polk Co.</td>
</tr>
<tr>
<td>L</td>
<td>Astragalus canadensis</td>
<td>medium</td>
<td>Historically rare in E.S. 4</td>
</tr>
<tr>
<td>A</td>
<td>Carex elata</td>
<td>high</td>
<td>Not native in E.S. 4 north of Polk Co.</td>
</tr>
<tr>
<td>L</td>
<td>Desmodium canadense</td>
<td>medium</td>
<td>Historically rare in E.S. 4</td>
</tr>
<tr>
<td>A</td>
<td>Echinacea pallida var. angustifolia</td>
<td>high</td>
<td>Not native in E.S. 4 north of Polk Co.</td>
</tr>
<tr>
<td>A</td>
<td>Helothis helianthoides</td>
<td>high</td>
<td>Not native in E.S. 4 north of Polk Co.</td>
</tr>
<tr>
<td>A</td>
<td>Lepidea capitata</td>
<td>medium</td>
<td>Native only to naturally sand-gravel areas within this range</td>
</tr>
<tr>
<td>A</td>
<td>Liatris aspera</td>
<td>high</td>
<td>Native to naturally sand-gravel areas within this range</td>
</tr>
<tr>
<td>A</td>
<td>Liatris punctata</td>
<td>high</td>
<td>Native to naturally sand-gravel areas within this range</td>
</tr>
<tr>
<td>F</td>
<td>Linum usitatissimum</td>
<td>high</td>
<td>Native to naturally sand-gravel areas within this range</td>
</tr>
<tr>
<td>F</td>
<td>Monarda fistulosa</td>
<td>high</td>
<td>Native to naturally sand-gravel areas within this range</td>
</tr>
<tr>
<td>F</td>
<td>Oenothera biennis</td>
<td>medium</td>
<td>Biennial</td>
</tr>
<tr>
<td>A</td>
<td>Oligoneuron rigidum</td>
<td>high</td>
<td>Not native in E.S. 4 north of Polk Co.</td>
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</tr>
<tr>
<td>F</td>
<td>Penstemon grandiflorus</td>
<td>high</td>
<td>Native to naturally sand-gravel areas within this range</td>
</tr>
<tr>
<td>F</td>
<td>Potentilla arguta</td>
<td>medium</td>
<td>Native to naturally sand-gravel areas within this range</td>
</tr>
<tr>
<td>F</td>
<td>Ratibida pinnata</td>
<td>medium</td>
<td>Native to naturally sand-gravel areas within this range</td>
</tr>
<tr>
<td>F</td>
<td>Rosaceae</td>
<td>medium</td>
<td>Native to naturally sand-gravel areas within this range</td>
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<tr>
<td>F</td>
<td>Ruda ladanifera</td>
<td>high</td>
<td>Native to naturally sand-gravel areas within this range</td>
</tr>
<tr>
<td>F</td>
<td>Sisyrinchium campestris</td>
<td>high</td>
<td>Native to naturally sand-gravel areas within this range</td>
</tr>
<tr>
<td>A</td>
<td>Salidago nemoralis</td>
<td>medium</td>
<td>Native to naturally sand-gravel areas within this range</td>
</tr>
<tr>
<td>A</td>
<td>Symphyotrichum ericoides</td>
<td>low</td>
<td>Medium</td>
</tr>
<tr>
<td>A</td>
<td>Symphyotrichum occidentale</td>
<td>low</td>
<td>Medium</td>
</tr>
<tr>
<td>A</td>
<td>Symphyotrichum pinetorum</td>
<td>low</td>
<td>Medium</td>
</tr>
<tr>
<td>A</td>
<td>Symphyotrichum sericeum</td>
<td>low</td>
<td>Medium</td>
</tr>
<tr>
<td>F</td>
<td>Tradescantia bracteata</td>
<td>medium</td>
<td>Medium</td>
</tr>
<tr>
<td>F</td>
<td>Verbena stricta</td>
<td>low</td>
<td>Medium</td>
</tr>
<tr>
<td>F</td>
<td>Vicia sativa</td>
<td>low</td>
<td>Medium</td>
</tr>
</tbody>
</table>

#### Forbs subtotal: 35

Total Species Richness: 47
Total Cost/Acre: $872

Seed mix cost estimate based on 2013 pricing

<table>
<thead>
<tr>
<th>Total Seeding Rate:</th>
<th>12 lbs/acre (Opt.)</th>
<th>4.25 lbs/acre (Oats/Winter Wheat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Seed/Acre:</td>
<td>77 Seeds/sqft</td>
<td>1.9 Seeds/sqft</td>
</tr>
</tbody>
</table>

For harvesting successional stages:
- E = early
- M = mid
- L = late

For hydrologic zones:
- E = emergent
- S = saturated
- M = moist
- MZ = mesic
- D = dry

For seed mix diversity:
- S = sensitive
- M = moderate
- R = resistant

For species noted as very high, medium or low:
- Very high = VHI
- High = HI
- Medium = M
- Low = L

For bee and butterfly habitat:
- B = bee
- H = butterfly

For seed mix design:
- N = non-native
- R = riparian
- D = dry

For seed mix design:
- S = sand
- L = loamy
- M = medium
- H = heavy

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