

July 5, 2018

BWSR Pilot Seed Mixes

**PILOT SEED MIXES:**

These new “Pilot” seed mixes have been developed for a variety of restoration, conservation and stormwater uses. Goals were to meet the needs of common project types and to create direction for emerging topics such as biofuels, buffers, conservation grazing, and pollinators. All of the mixes were developed for specific functions and incorporate pollinator habitat to the extent possible. The mixes will remain as pilot mixes for a couple years until we understand how they are performing before we work to make them official state mixes. In many cases these mixes should be considered starting points for developing site specific mixes.

Note: Oats cover crop is included as a component of these seed mixes with the exception of some wetland mixes where cover species are not necessary. Winter wheat (at a similar rate to oats) may be selected in some cases where germination is needed later in the fall, followed by further green‐up the following spring (oats will not come back the follow spring unless it re‐establishes from seed).

Finalized **Little Bluestem Urban Prairie**

Function: Conservation Intent: Little bluestem dry prairie for urban areas where the

planting mix needs to be simple for aesthetic purposes and

Planting Area: Statewide to decrease maintenance

Specialization:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Scientific Name Common Name Seeds/ sq ft  **Cover** | | | | Rate (lb/ac) | % Mix (by sqft) | % Mix (by wt) |  |
|  | Avena sativa | Oats\* (See Cover crop note) | 11.13 | 37.88 |  |  | |
|  |  | Total Guild: | 11.13 | 37.88 | 16.57% | 84.4% | |
| **Forb** | Asclepias tuberosa | Butterfly Milkweed | 0.1 | 0.06 |  |  | |
|  | Asclepias verticillata | Whorled Milkweed | 0.05 | 0.01 |  |  | |
|  | Liatris aspera | Rough Blazing Star | 0.25 | 0.04 |  |  | |
|  | Penstemon grandiflorus | Large‐flowered Beard Tongue | 0.32 | 0.06 |  |  | |
|  | Rudbeckia hirta | Black‐eyed Susan | 10.32 | 0.31 |  |  | |
|  | Solidago nemoralis | Gray Goldenrod | 2 | 0.02 |  |  | |
|  | Solidago ptarmicoides | Upland White Aster | 1.26 | 0.05 |  |  | |
|  | Symphyotrichum ericoides | Heath Aster | 2.58 | 0.04 |  |  | |
|  | Symphyotrichum laeve | Smooth Aster | 0.8 | 0.04 |  |  | |
|  | Tradescantia bracteata | Bracted Spiderwort | 0.6 | 0.16 |  |  | |
|  | Verbena stricta | Hoary Vervain | 1.2 | 0.12 |  |  | |
|  | Zizia aptera | Heart‐leaved Alexanders | 0.2 | 0.05 |  |  | |

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| --- | --- | --- | --- | --- | --- |
|  | Total Guild: | 19.68 | 0.96 | 29.30% | 2.1% |
| **Graminoid** |  |  |  |  |  |
| Bouteloua curtipendula | Side‐oats Grama | 2 | 0.90 |  |  |
| Bouteloua gracilis | Blue Grama | 6 | 0.41 |  |  |
| Bromus kalmii | Kalm's Brome | 4 | 1.36 |  |  |
| Koeleria macrantha | Junegrass | 6 | 0.08 |  |  |
| Schizachyrium scoparium | Little Bluestem | 16.53 | 3.00 |  |  |
|  | Total Guild: | 34.53 | 5.75 | 51.41% | 12.8% |
| **Legume** |  |  |  |  |  |
| Astragalus canadensis | Canada Milk Vetch | 0.4 | 0.06 |  |  |
| Dalea candida | White Prairie Clover | 0.4 | 0.06 |  |  |
| Dalea purpurea | Purple Prairie Clover | 1.02 | 0.19 |  |  |
|  | Total Guild: | 1.82 | 0.31 | 2.71% | 0.7% |
|  | Total Seed Mix: | 67.16 | 44.90 |  |  |