06‐Jan‐17

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 **Dry Short Urban Buffer General**

Function: Buffers Planting Area: Statewide Specialization: NRCS 327

Intent: Showy dry prairie buffer establishment in urban areas

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Scientific Name Common Name Seeds/sq ft | Rate(lb/ac) | % Mix(by sqft) | % Mix(by wt) |  |
| **Cover** | Avena sativa | Oats\* (See Cover crop note) | 11.13 | 37.88 |  |  |
|  |  | Total Guild: | 11.13 | 37.88 | 19.35% | 85.6% |
| **Forb** | Asclepias syriaca | Common Milkweed | 0.16 | 0.11 |  |  |
|  | Asclepias tuberosa | Butterfly Milkweed | 0.1 | 0.06 |  |  |
|  | Liatris aspera | Rough Blazing Star | 0.25 | 0.04 |  |  |
|  | Oligoneuron rigidum | Stiff Goldenrod | 0.83 | 0.06 |  |  |
|  | Penstemon grandiflorus | Large‐flowered Beard Tongue | 0.32 | 0.06 |  |  |
|  | Pycnanthemum virginianum | Virginia Mountain Mint | 1 | 0.01 |  |  |
|  | Rudbeckia hirta | Black‐eyed Susan | 5.15 | 0.15 |  |  |
|  | Solidago nemoralis | Gray Goldenrod | 2 | 0.02 |  |  |
|  | Solidago ptarmicoides | Upland White Aster | 1.26 | 0.05 |  |  |
|  | Symphyotrichum ericoides | Heath Aster | 2.58 | 0.04 |  |  |
|  | Tradescantia bracteata | Bracted Spiderwort | 0.6 | 0.16 |  |  |
|  | Zizia aptera | Heart‐leaved Alexanders | 0.2 | 0.05 |  |  |

Total Guild: 14.45 0.81 25.12% 1.8%

**Graminoid**

Bouteloua curtipendula Side‐oats Grama 2 0.91

Bromus kalmii Kalm's Brome 0.5 0.17

Koeleria macrantha Junegrass 5.5 0.07

Panicum virgatum Switchgrass 6 1.17

Schizachyrium scoparium Little Bluestem 16.53 3.00

Total Guild: 30.53 5.32 53.07% 12.0%

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Legume** | Astragalus canadensis | Canada Milk Vetch | 0.4 | 0.06 |  |
|  | Dalea purpurea | Purple Prairie Clover | 1.02 | 0.19 |
|  |  | Total Guild: | 1.42 | 0.25 | 2.47% | 0.6% |
|  |  | Total Seed Mix: | 57.53 | 44.26 |  |  |