

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 **Mesic Short Urban Buffer Northeast**

Function: Buffers Planting Area: NE Specialization: NRCS 327

Intent: Stabilized steep eroding slopes with both early and later successional species.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 16.48% | 83.0% | |
| **Forb** | Achillea millefolium | Common Yarrow | 1 | 0.02 |  |  | |
|  | Anaphalis margaritacea | Pearly Everlasting | 0.8 | 0.01 |  |  | |
|  | Asclepias syriaca | Common Milkweed | 0.16 | 0.11 |  |  | |
|  | Asclepias tuberosa | Butterfly Milkweed | 0.071 | 0.04 |  |  | |
|  | Geranium maculatum | Wild Geranium | 0.02 | 0.01 |  |  | |
|  | Helianthus pauciflorus | Stiff Sunflower | 0.07 | 0.05 |  |  | |
|  | Pycnanthemum virginianum | Virginia Mountain Mint | 0.9 | 0.01 |  |  | |
|  | Rudbeckia hirta | Black‐eyed Susan | 10.32 | 0.30 |  |  | |
|  | Smilacina racemosa | False Solomons Seal | 0.01 | 0.07 |  |  | |
|  | Solidago nemoralis | Gray Goldenrod | 3.5 | 0.03 |  |  | |
|  | Symphyotrichum ericoides | Heath Aster | 2 | 0.03 |  |  | |
|  | Symphyotrichum laeve | Smooth Aster | 1.26 | 0.06 |  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| Verbena stricta | Hoary Vervain | 1.29 | 0.13 |
| Zizia aurea | Golden Alexanders | 0.8 | 0.20 |

Total Guild: 22.201 1.07 32.87% 2.3%

**Graminoid**

Bouteloua curtipendula Side‐oats Grama 3.4 1.54

Bouteloua gracilis Blue Grama 8 0.54

Bromus kalmii Kalm's Brome 2 0.68

Elymus riparius Riverbank Wild Rye 0.22 0.21

Schizachyrium scoparium Little Bluestem 18 3.26

Sporobolus heterolepis Prairie Dropseed 1.1 0.19

Total Guild: 32.72 6.42 48.44% 14.1%

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| --- | --- | --- | --- | --- | --- | --- |
| **Legume** | Dalea candida | White Prairie Clover | 0.39 | 0.06 |  | |
|  | Dalea purpurea | Purple Prairie Clover | 1.1 | 0.20 |
|  |  | Total Guild: | 1.49 | 0.26 | 2.21% | 0.6% |
|  |  | Total Seed Mix: | 67.541 | 45.63 |  |  |