

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 **Wet Meadow Forb/Sedge/Rush Southwest**

Function: Wetland Planting Area: SW Specialization:

Intent: Wet meadow establishment where reed canary grass is a risk and grass specific herbicides will be used

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Scientific Name Common Name Seeds/ sq ft**Cover** | Rate (lb/ac) | % Mix (by sqft) | % Mix (by wt) |  |
|  | Avena sativa | Oats\* (See Cover crop note) | 3.12 | 10.62 |  |  |
|  |  | Total Guild: | 3.12 | 10.62 | 1.68% | 75.8% |
| **Forb** | Asclepias incarnata | Marsh Milkweed | 0.43 | 0.24 |  |  |
|  | Eupatorium perfoliatum | Common Boneset | 1.3 | 0.02 |  |  |
|  | Euthamia graminifolia | Grass‐leaved Goldenrod | 2.6 | 0.02 |  |  |
|  | Eutrochium maculatum | Spotted Joe Pye Weed | 0.75 | 0.02 |  |  |
|  | Helenium autumnale | Autumn Sneezeweed | 1 | 0.02 |  |  |
|  | Helianthus grosseserratus | Sawtooth Sunflower | 0.2 | 0.04 |  |  |
|  | Lobelia siphilitica | Great Lobelia | 3.2 | 0.02 |  |  |
|  | Mimulus ringens | Blue Monkey Flower | 9 | 0.01 |  |  |
|  | Pycnanthemum virginianum | Virginia Mountain Mint | 5.1 | 0.06 |  |  |
|  | Solidago gigantea | Giant Goldenrod | 2 | 0.02 |  |  |
|  | Symphyotrichum lanceolatum | Eastern Panicled Aster | 1.5 | 0.03 |  |  |
|  | Thalictrum dasycarpum | Tall Meadow‐Rue | 0.11 | 0.03 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Verbena hastata | Blue Vervain | 5 | 0.15 |
| Vernonia fasciculata | Bunched Ironweed | 0.3 | 0.03 |
| Veronicastrum virginicum | Culver's Root | 4.8 | 0.02 |
| Zizia aurea | Golden Alexanders | 1 | 0.25 |
| Total Guild: 38.29 | 0.98 | 20.61% | 7.0% |

**Graminoid**

Elymus virginicus Virginia Wild Rye 1.55 1.00

Leersia oryzoides Rice Cut Grass 3.1 0.25

Poa palustris Fowl Bluegrass 16.5 0.35

|  |  |  |  |
| --- | --- | --- | --- |
| Total Guild: 21.15 | 1.60 | 11.39% | 11.4% |
| **Sedge** | Carex pellita | Wooly Sedge | 0.5 | 0.05 |  |  |
|  | Carex scoparia | Lance‐fruited Oval sedge | 1.6 | 0.05 |  |  |
|  | Carex stipata | Common Fox Sedge | 2.6 | 0.19 |  |  |
|  | Carex stricta | Tussock Sedge | 0.5 | 0.03 |  |  |
|  | Carex vulpinoidea | Brown Fox Sedge | 5 | 0.14 |  |  |
|  | Juncus tenuis | Path Rush | 15 | 0.04 |  |  |
|  | Scirpus atrovirens | Dark Green Bulrush | 35 | 0.21 |  |  |
|  | Scirpus cyperinus | Woolgrass | 63 | 0.10 |  |  |
|  |  | Total Guild: | 123.2 | 0.81 | 66.32% | 5.8% |
|  |  | Total Seed Mix: | 185.76 | 14.01 |  |  |