

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 **Impoundment General**

Function: Stormwater Planting Area: Statewide Specialization:

Intent: Flood tolerant vegetation establishment in floodwater impoundment areas

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Scientific Name Common Name Seeds/ sq ft  **Cover** | | | | Rate (lb/ac) | % Mix (by sqft) | % Mix (by wt) |  |
|  | Avena sativa | Oats\* (See Cover crop note) | 11.14 | 37.91 |  |  | |
|  |  | Total Guild: | 11.14 | 37.91 | 7.48% | 74.7% | |
| **Forb** | Anemone canadesis | Canada Anemone | 0.16 | 0.05 |  |  | |
|  | Asclepias incarnata | Marsh Milkweed | 0.18 | 0.10 |  |  | |
|  | Bidens frondosa | Leafy Beggarticks | 0.15 | 0.08 |  |  | |
|  | Doellingeria umbellata | Flat‐topped Aster | 1.25 | 0.05 |  |  | |
|  | Euthamia graminifolia | Grass‐leaved Goldenrod | 1.65 | 0.01 |  |  | |
|  | Eutrochium maculatum | Spotted Joe Pye Weed | 1.5 | 0.04 |  |  | |
|  | Helenium autumnale | Autumn Sneezeweed | 4.8 | 0.10 |  |  | |
|  | Physostegia virginiana | Obedient Plant | 0.1 | 0.02 |  |  | |
|  | Rudbeckia laciniata | Tall Coneflower | 0.3 | 0.06 |  |  | |
|  | Solidago gigantea | Giant Goldenrod | 2.8 | 0.03 |  |  | |
|  | Symphyotrichum novae‐angliae | New England Aster | 1.45 | 0.06 |  |  | |
|  | Verbena hastata | Blue Vervain | 4.45 | 0.15 |  |  | |

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| --- | --- | --- | --- | --- | --- | --- |
| Zizia aurea | | Golden Alexanders | 0.62 | 0.15 | | |
| Total Guild: 19.41 | | | | 0.90 | 13.03% | 1.8% |
| **Graminoid** | Andropogon gerardii | Big Bluestem | 7.35 | 2.00 | | |
|  | Bromus ciliatus | Fringed Brome | 8 | 2.18 | | |
|  | Elymus trachycaulus | Slender Wheatgrass | 5 | 2.48 | | |
|  | Elymus virginicus | Virginia Wild Rye | 4 | 2.59 | | |
|  | Leersia oryzoides | Rice Cut Grass | 1.5 | 0.12 | | |
|  | Panicum virgatum | Switchgrass | 8 | 1.56 | | |
|  | Poa palustris | Fowl Bluegrass | 10 | 0.21 | | |
|  | Spartina pectinata | Prairie Cordgrass | 1 | 0.41 | | |
| Total Guild: 44.85 | | | | 11.55 | 30.11% | 22.8% |
| **Sedge** | Carex pellita | Wooly Sedge | 0.34 | 0.03 |  |  |
|  | Carex scoparia | Lance‐fruited Oval sedge | 2.5 | 0.08 |  |  |
|  | Scirpus atrovirens | Dark Green Bulrush | 31.7 | 0.19 |  |  |
|  | Scirpus cyperinus | Woolgrass | 39 | 0.06 |  |  |
|  |  | Total Guild: | 73.54 | 0.36 | 49.38% | 0.7% |
|  |  | Total Seed Mix: | 148.94 | 50.72 |  |  |