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 **Mid Diversity Moist Buffer South & West**

Function: Buffers Planting Area: S & W Specialization: NRCS 342

Intent: Mid diversity native buffer establishment in moist areas in southern and western MN

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 | 3.01% | 62.6% |
| **Forb** | Asclepias incarnata | Marsh Milkweed | 0.15 | 0.09 |  |  |
|  | Eupatorium perfoliatum | Common Boneset | 1.6 | 0.03 |  |  |
|  | Euthamia graminifolia | Grass‐leaved Goldenrod | 1.6 | 0.01 |  |  |
|  | Eutrochium maculatum | Spotted Joe Pye Weed | 0.75 | 0.02 |  |  |
|  | Helenium autumnale | Autumn Sneezeweed | 2 | 0.04 |  |  |
|  | Helianthus grosseserratus | Sawtooth Sunflower | 0.2 | 0.04 |  |  |
|  | Lobelia siphilitica | Great Lobelia | 4 | 0.02 |  |  |
|  | Mimulus ringens | Blue Monkey Flower | 12 | 0.01 |  |  |
|  | Sisyrinchium campestre | Field Blue‐eyed Grass | 0.17 | 0.01 |  |  |
|  | Symphyotrichum lanceolatum | Eastern Panicled Aster | 1.1 | 0.02 |  |  |
|  | Verbena hastata | Blue Vervain | 4 | 0.12 |  |  |
|  | Zizia aurea | Golden Alexanders | 0.5 | 0.12 |  |  |

Total Guild: 28.07 0.53 27.04% 3.1%

**Graminoid**

Andropogon gerardii Big Bluestem 8.2 2.23

Elymus virginicus Virginia Wild Rye 4 2.59

Glyceria grandis Tall Manna Grass 6.6 0.26

Leersia oryzoides Rice Cut Grass 1 0.08

Poa palustris Fowl Bluegrass 14 0.29

Total Guild: 33.8 5.46 32.57% 32.2%

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sedge** | Carex stipata | Common Fox Sedge | 0.8 | 0.06 |  |
|  | Carex vulpinoidea | Brown Fox Sedge | 3 | 0.08 |
|  | Scirpus atrovirens | Dark Green Bulrush | 35 | 0.21 |
|  |  | Total Guild: | 38.8 | 0.35 | 37.38% | 2.1% |
|  |  | Total Seed Mix: | 103.79 | 16.96 |  |  |