

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

Intent: Flood tolerant vegetation establishment in floodwater impoundment areas

Planting Area: Statewide

Specialization:

Scientific Name	Common Name	Seeds/ sq ft	Rate (lb/ac)	% Mix (by sqft)	% Mix (by wt)
Cover					
Avena sativa	Oats* (See Cover crop note)	11.14	37.91		
Total Guild:		11.14	37.91	7.48%	74.7%

Forb

Anemone canadensis	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		
Symphotrichum novae-angliae	New England Aster	1.45	0.06		
Verbena hastata	Blue Vervain	4.45	0.15		

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	