

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.

cases where germination is needed later in the fall, followed by further green-up the following spring (oats will

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 not come back the follow spring unless it re-establishes from seed).

The seed mixes in this document include:

Beneficial Insects South West	Low Growing Solar Array Mix South West
Biofuels/Biomass Northwest	Low Growing Solar Array Moist Soils South and West
Biofuels/Biomass Southeast	Mesic Short Urban Buffer Northeast
Biofuels/Biomass Southwest	Mesic Short Urban Buffer South West
Compacted Trail General	Mid Diversity Mesic to Dry Buffer South West
Conservation Grazing South West	Mid Diversity Moist Buffer Northeast
Dry Short Urban Buffer General	Mid Diversity Moist Buffer South West
Early Successional Floodplain General	Native Forage Buffer Mix South West
Eroding Bank Stabilization Northeast	Native Grass Waterway General
Eroding Bank Stabilization Northwest South	Pollinator Plot Northwest
Forest Groundcover East	Pollinator Plot Urban Southeast
Honey Bee Plot Native Non-Native General	Pollinator Plots Northeast
Impoundment General	Pollinator Plots Southeast
Inundated Swale South West	Pollinator Plots Southwest
Landfill Pollinator Dry Northeast	Sand Mine Reclamation South West
Landfill Pollinator Dry South West	Shallow Rooted BMP Mix General
Landfill Pollinator Mesic Northeast	Silvopasture Southeast
Landfill Pollinator Mesic South West	Stormwater Pond Pollinator Northeast
Little Bluestem Urban Prairie	Wet Meadow Forb/Sedge/Rush Southwest
Low Diversity Buffer General	Wetland Construction General
Low Growing Solar Array Mix Northeast	Wetland Seedbank Release Northeast

High Diversity Native & Non-Native Honey Bee Plot

Function: Pollinator
 Planting Area: Statewide
 Specialization: NRCS 327

Intent: Native and Non-native vegetation establishment for honey bee plantings up to a few acres in size. This mix contains non-native plant species, so BWSR approval is required for use on BWSR funded projects.

Scientific Name	Common Name	seeds/ sq ft	Rate (lb/ac)	% Mix (by sqft)	% Mix (by wt)
Forb					
Agastache foeniculum	Blue Giant Hyssop	0.4	0.01		
Asclepias syriaca	Common Milkweed	0.2	0.14		
Asclepias tuberosa	Butterfly Milkweed	0.1	0.06		
Asclepias verticillata	Whorled Milkweed	0.15	0.04		
Astragalus crassicaulus	Ground Plum	0.1	0.05		
Coreopsis palmata	Bird's Foot Coreopsis	0.15	0.04		
Helianthus maximiliani	Maximilian's Sunflower	0.3	0.06		
Monarda fistulosa	Wild Bergamot	3	0.12		
Penstemon grandiflorus	Large-flowered Beard Tongue	0.32	0.06		
Pycnanthemum virginianum	Virginia Mountain Mint	1	0.01		
Solidago canadensis	Canada Goldenrod	0.8	0.01		
Solidago speciosa	Showy Goldenrod	1	0.03		
Symphotrichum ericoides	Heath Aster	1.8	0.02		
Symphotrichum laeve	Smooth Aster	1.2	0.06		
Viola pedatifida	Bearded Birdfoot Violet	0.2	0.02		
Zizia aurea	Golden Alexanders	0.5	0.12		
Total Guild:		11.22	0.85	31.11%	16.2%

Graminoid

Bouteloua curtipendula	Side-oats Grama	1	0.45		
Elymus canadensis	Canada Wild Rye	0.6	0.31		
Schizachyrium scoparium	Little Bluestem	3	0.54		
Sorghastrum nutans	Indian Grass	0.5	0.13		
Sporobolus heterolepis	Prairie Dropseed	1	0.17		

Total Guild:	6.1	1.60	16.91%	30.0%
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Legume

Chamaecrista fasciculata	Partridge Pea	0.7	0.71
Dalea candida	White Prairie Clover	2	0.29
Dalea purpurea	Purple Prairie Clover	3	0.54
Medicago sativa	Alfalfa	3	0.57
Trifolium hybridum	Alsike Clover	4	0.26
Trifolium repens	White Clover	4	0.24
Vicia americana	American Vetch	0.05	0.07

Total Guild:	16.75	2.68	46.44%	50.3%
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Sedge

Carex brevior	Short Sedge	2	0.19
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Total Guild:	2	0.19	5.54%	3.5%
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Total Seed Mix:	36.07	5.32		
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