



MN DOT WET DITCH

All seed mixtures are designed in accordance with state-specific requirements.

Purpose:	Wet ditches and stormwater plantings in full sun or part shade; areas that get mowed once per year or less This mix meets pollinator habitat requirements.				
Planting Area:	Statewide				
Replaces:	33-261 Stormwater S & W; 33-361 Stormwater NE				
Cost Estimate:	\$1,000/acre (36-261 averages \$900/acre & 33-361 averages \$1,125/acre)				
Common Name	Scientific Name	Rate (lb/ac)	% of Mix (by weight)	% by Seed	Seeds/sq ft
Big Bluestem	<i>Andropogon gerardii</i>	1.00	5.00%	1.10%	3.67
Fringed Brome	<i>Bromus ciliatus</i>	1.50	7.50%	1.81%	6.06
Bluejoint	<i>Calamagrostis canadensis</i>	0.05	0.25%	1.54%	5.14
Nodding Wild Rye	<i>Elymus canadensis</i>	2.00	10.00%	1.14%	3.82
Virginia Wild Rye	<i>Elymus virginicus</i>	4.00	20.00%	1.85%	6.17
Tall Manna Grass	<i>Glyceria grandis</i>	0.15	0.75%	1.15%	3.86
Rice Cut Grass	<i>Leersia oryzoides</i>	0.30	1.50%	1.12%	3.75
Perennial Ryegrass	<i>Lolium perenne</i>	6.00	30.00%	8.94%	29.89
Switchgrass	<i>Panicum virgatum</i>	0.50	2.50%	0.77%	2.57
Fowl Bluegrass	<i>Poa palustris</i>	1.00	5.00%	14.28%	47.75
Grasses Subtotal		16.50	82.50%	33.70%	112.68
Porcupine Sedge	<i>Carex hystericina</i>	0.10	0.50%	0.33%	1.10
Awl-fruited Sedge	<i>Carex stipata</i>	0.05	0.25%	0.19%	0.62
Fox Sedge	<i>Carex vulpinoidea</i>	0.10	0.50%	1.10%	3.67
Dudley's Rush	<i>Juncus dudleyi</i>	0.05	0.25%	17.58%	58.77
Dark Green Bulrush	<i>Scirpus atrovirens</i>	0.10	0.50%	5.05%	16.90
Woolgrass	<i>Scirpus cyperinus</i>	0.10	0.50%	18.68%	62.44
Sedges & Rushes Subtotal		0.50	2.50%	42.92%	143.51
Canada Anemone	<i>Anemone canadensis</i>	0.05	0.25%	0.04%	0.15
Marsh Milkweed	<i>Asclepias incarnata</i>	0.25	1.25%	0.13%	0.44
Common Milkweed	<i>Asclepias syriaca</i>	0.20	1.00%	0.09%	0.29

Canada Milkvetch	<i>Astragalus canadensis</i>	0.50	2.50%	0.93%	3.12
Nodding Bur Marigold	<i>Bidens cernua</i>	0.10	0.50%	0.23%	0.77
Canada Tick Trefoil	<i>Desmodium canadense</i>	0.50	2.50%	0.30%	1.01
Flat-topped Aster	<i>Doellingeria umbellata</i>	0.05	0.25%	0.37%	1.23
Common Boneset	<i>Eupatorium perfoliatum</i>	0.05	0.25%	0.88%	2.94
Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	0.03	0.15%	1.15%	3.86
Spotted Joe Pye Weed	<i>Eutrochium maculatum</i>	0.06	0.30%	0.63%	2.09
Autumn Sneezeweed	<i>Helenium autumnale</i>	0.10	0.50%	1.43%	4.78
Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	0.06	0.30%	0.10%	0.33
Prairie Blazing Star	<i>Liatris pycnostachya</i>	0.17	0.85%	0.21%	0.69
Great Lobelia	<i>Lobelia siphilitica</i>	0.05	0.25%	2.75%	9.18
Blue Monkey Flower	<i>Mimulus ringens</i>	0.03	0.15%	7.58%	25.34
Obedient Plant	<i>Physostegia virginiana</i>	0.06	0.30%	0.07%	0.24
Cut-leaf Coneflower	<i>Rudbeckia laciniata</i>	0.10	0.50%	0.15%	0.51
Stiff Goldenrod	<i>Solidago rigida</i>	0.10	0.50%	0.45%	1.51
Eastern Panicked Aster	<i>Symphotrichum lanceolatum</i>	0.05	0.25%	0.86%	2.87
Red-stemmed Aster	<i>Symphotrichum puniceum</i>	0.05	0.25%	0.44%	1.47
Tall Meadow Rue	<i>Thalictrum dasycarpum</i>	0.10	0.50%	0.22%	0.73
Blue Vervain	<i>Verbena hastata</i>	0.15	0.75%	1.53%	5.12
Culver's Root	<i>Veronicastrum virginicum</i>	0.03	0.15%	2.64%	8.82
Golden Alexanders	<i>Zizia aurea</i>	0.16	0.80%	0.19%	0.65
	Forbs Subtotal	3.00	15.00%	23.37%	78.14
	Total	20.00	100%	100%	334.33