



MN DOT NORTHEAST ROADSIDE

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

Purpose:	Entire roadside; dry soils or moderate moisture; full sun to part-shade; sites that will be mowed once per year or less This mix meets pollinator habitat requirements.				
Planting Area:	Northeast and north-central MN; MnDOT Districts 1, 2 east*, and 3A				
Replaces:	36-311 Woodland Edge NE				
Cost Estimate:	\$1,050/acre (36-311 averages \$1,160/acre)				
Common Name	Scientific Name	Rate (lb/ac)	% of Mix (by weight)	% by Seed	Seeds/ sq ft
Fringed Brome	<i>Bromus ciliatus</i>	1.00	3.85%	1.52%	4.04
Bluejoint	<i>Calamagrostis canadensis</i>	0.10	0.38%	3.86%	10.28
Nodding Wild Rye	<i>Elymus canadensis</i>	3.80	14.62%	2.72%	7.26
Bottlebrush Grass	<i>Elymus hystrix</i>	0.50	1.92%	0.52%	1.40
Slender Wheatgrass	<i>Elymus trachycaulus</i>	6.00	23.08%	5.70%	15.21
Virginia Wild Rye	<i>Elymus virginicus</i>	4.00	15.38%	2.31%	6.17
Perennial Ryegrass	<i>Lolium perenne</i>	6.00	23.08%	11.21%	29.89
Fowl Bluegrass	<i>Poa palustris</i>	1.50	5.77%	26.86%	71.63
Woolgrass	<i>Scirpus cyperinus</i>	0.10	0.38%	23.42%	62.44
Grasses Subtotal		23.00	88.46%	78.12%	208.31
Common Yarrow	<i>Achillea millefolium</i>	0.07	0.27%	1.72%	4.58
Blue Giant Hyssop	<i>Agastache foeniculum</i>	0.06	0.23%	0.74%	1.98
Tall Thimbleweed	<i>Anemone virginiana</i>	0.03	0.12%	0.12%	0.31
Columbine	<i>Aquilegia canadensis</i>	0.05	0.19%	0.26%	0.70
Common Milkweed	<i>Asclepias syriaca</i>	0.20	0.77%	0.11%	0.29
Canada Milkvetch	<i>Astragalus canadensis</i>	0.60	2.31%	1.40%	3.75
Fireweed	<i>Chamaenerion angustifolium</i>	0.03	0.12%	2.07%	5.51
Canada Tick Trefoil	<i>Desmodium canadense</i>	0.50	1.92%	0.38%	1.01
Flat-topped Aster	<i>Doellingeria umbellata</i>	0.04	0.15%	0.37%	0.98
Tall Cinquefoil	<i>Drymocallis arguta</i>	0.08	0.31%	2.53%	6.76
Large-leaved Aster	<i>Eurybia macrophylla</i>	0.05	0.19%	0.19%	0.50
Wild Licorice	<i>Glycyrrhiza lepidota</i>	0.20	0.77%	0.11%	0.29
Canada Mayflower	<i>Maianthemum racemosum</i>	0.10	0.38%	0.00%	0.00

Common Evening Primrose	<i>Oenothera biennis</i>	0.06	0.23%	0.74%	1.98
Smooth Wild Rose	<i>Rosa blanda</i>	0.10	0.38%	0.04%	0.10
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.30	1.15%	3.80%	10.14
Zigzag Goldenrod	<i>Solidago flexicaulis</i>	0.03	0.12%	0.35%	0.93
Gray Goldenrod	<i>Solidago nemoralis</i>	0.10	0.38%	4.13%	11.02
Smooth Blue Aster	<i>Symphotrichum laeve</i>	0.10	0.38%	0.76%	2.02
Calico Aster	<i>Symphotrichum lateriflorum</i>	0.05	0.19%	1.72%	4.59
Early Meadow Rue	<i>Thalictrum dioicum</i>	0.10	0.38%	0.10%	0.27
Heart-leaved Alexanders	<i>Zizia aptera</i>	0.15	0.58%	0.25%	0.66
	Forbs Subtotal	3.00	11.52%	21.88%	58.36
	Total	26.00	100%	100%	266.67