

Northeast Roadside

Abbreviation (NER)

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

Note: District 2east includes Lake of the Woods, Koochiching, Beltrami, Clearwater, Hubbard, Cass, and Itasca counties.

Changes since 2023 reviews:

- False Melic and Poverty Oats replaced with Bottlebrush grass. The first two species were always in short supply and high price. They never really caught on since the 2014 mixes were introduced.
- American Vetch was removed. It's supply never really caught on since the 2014 mixes were introduced.
- Lindley's aster replaced with Calico Aster due to better availability
- Wild Licorice added to include another legume
- Veiny pea removed due to low availability
- Golden Alexander, Smooth Blue Aster added to increase diversity
- Bedstraw removed due to low availability
- Added common evening primrose
- *Maianthemum stellatum* was replaced with *M. racemosum* due to better availability

Species considered but not included:

- Silky Wild Rye: Not native to NE MN

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