

Northwest Tallgrass Roadside

Abbreviation: NTR

Purpose:	Backslopes and ditch bottoms; full sun to part-shade; any site with moderate moisture that will be mowed once per year or less This mix meets pollinator habitat requirements.				
Planting Area:	NW MN; MnDOT District 2 west*				
Replaces:	35-241 Mesic Prairie General & 36-411 Woodland Edge NW				
Cost Estimate:	\$740/acre (35-241 averages \$565/acre, 36-411 rarely used)				
Common Name	Scientific Name	Rate (lb/ac)	% of Mix (by weight)	% by Seed	Seeds/ sq ft
Big Bluestem	<i>Andropogon gerardii</i>	2.50	9.62%	7.31%	9.18
Side-oats Grama	<i>Bouteloua curtipendula</i>	2.00	7.69%	3.51%	4.41
Kalm's Brome	<i>Bromus kalmii</i>	0.90	3.46%	2.11%	2.64
Nodding Wild Rye	<i>Elymus canadensis</i>	4.00	15.38%	6.08%	7.64
Slender Wheatgrass	<i>Elymus trachycaulus</i>	5.00	19.23%	10.09%	12.67
Perennial Ryegrass	<i>Lolium perenne</i>	6.00	23.08%	23.80%	29.89
Switchgrass	<i>Panicum virgatum</i>	0.25	0.96%	1.02%	1.29
Indian Grass	<i>Sorghastrum nutans</i>	2.25	8.65%	7.90%	9.92
Prairie Dropseed	<i>Sporobolus heterolepis</i>	0.10	0.38%	0.47%	0.59
	Grasses Subtotal	23.00	88.45%	62.30%	78.23
Common Yarrow	<i>Achillea millefolium</i>	0.03	0.12%	1.56%	1.96
Marsh Milkweed	<i>Asclepias incarnata</i>	0.10	0.38%	0.14%	0.18
Common Milkweed	<i>Asclepias syriaca</i>	0.10	0.38%	0.12%	0.15
Canada Milkvetch	<i>Astragalus canadensis</i>	0.50	1.92%	2.49%	3.12
Prairie Thistle	<i>Cirsium flodmanii</i>	0.05	0.19%	0.07%	0.09
White Prairie Clover	<i>Dalea candida</i>	0.50	1.92%	2.78%	3.49
Canada Tick Trefoil	<i>Desmodium canadense</i>	0.30	1.15%	0.48%	0.61
Wild Licorice	<i>Glycyrrhiza lepidota</i>	0.10	0.38%	0.11%	0.14
Stiff Sunflower	<i>Helianthus pauciflorus</i>	0.06	0.23%	0.07%	0.09
Maximilian's Sunflower	<i>Helianthus maximilianii</i>	0.10	0.38%	0.38%	0.48
Early Sunflower	<i>Heliopsis helianthoides</i>	0.10	0.38%	0.18%	0.23
Northern Plains Blazing Star	<i>Liatris ligulistylis</i>	0.05	0.19%	0.15%	0.18
Wild Bergamot	<i>Monarda fistulosa</i>	0.06	0.23%	1.23%	1.54
Common Evening Primrose	<i>Oenothera biennis</i>	0.05	0.19%	1.32%	1.65
Virginia Mountain Mint	<i>Pycnanthemum virginianum</i>	0.06	0.23%	3.86%	4.85
Smooth Wild Rose	<i>Rosa blanda</i>	0.06	0.23%	0.05%	0.06
Stiff Goldenrod	<i>Solidago rigida</i>	0.06	0.23%	0.72%	0.90
Black-eyed Susan	<i>Rudbeckia hirta</i>	0.25	0.96%	6.73%	8.45

Upland White Aster	<i>Solidago ptarmicoides</i>	0.06	0.23%	1.12%	1.41
Calico Aster	<i>Symphotrichum lateriflorum</i>	0.05	0.19%	3.66%	4.59
New England Aster	<i>Symphotrichum novae-angliae</i>	0.06	0.23%	1.14%	1.43
Tall Meadow Rue	<i>Thalictrum dasycarpum</i>	0.10	0.38%	0.59%	0.73
Blue Vervain	<i>Verbena hastata</i>	0.05	0.19%	1.36%	1.71
Culver's Root	<i>Veronicastrum virginicum</i>	0.03	0.12%	7.02%	8.82
Golden Alexanders	<i>Zizia aurea</i>	0.12	0.46%	0.39%	0.48
	Forbs Subtotal	3.00	11.49%	37.70%	47.35
	Total	26.00	100%	100%	125.58

Note: District 2 west includes Kittson, Roseau, Marshall, Pennington, Red Lake, Polk, and Norman counties

Changes since 2023 reviews:

- Removed Indian Paintbrush and Northern Bedstraw due to low availability
- Replaced Lindley's aster with Calico Aster due to low availability
- Replaced Little Bluestem with Sideoats Grama to improve establishment speed

Species considered but not included:

- Heartleaf golden alexanders - already in the shortgrass mixes
- Leadplant - already in the shortgrass mixes
- purple prairie clover - already in the shortgrass mixes
- Culver's root - used in the wet ditch mix

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