

## Seed Mixture Component Requirements (21-000 and 22-000 series mixes)

Requirements are in effect until revised by Mn/DOT. Always consult website to determine current requirements. Most recent substitutions are highlighted in orange.

Specifications				Authorized Substitution				
Common Name	Scientific Name	Acceptable Varieties/Origin	Certification Required	Common Name	Scientific Name	Acceptable Varieties/Origin	Certification Required	Authorization Date
Alfalfa, annual	<i>Medicago sativa</i>	Beacon, Condor, Coronado, El Grande, Maricopa, Mecca, Mesa, Nitro, Prestige, Sundor, Tulane, Westar	Yes	Alfalfa, annual	<i>Medicago sativa</i>	Beacon, Condor, Coronado, El Grande, Maricopa, Mecca, Mesa, Nitro, Prestige, Sundor, Tulane, Westar	No*	3/1/2020
Alfalfa, creeping	<i>Medicago sativa</i>	Rambler, Rangelander, Spredor 2, Spyder, Teton, Travois, Victoria	Yes	Alfalfa, creeping	<i>Medicago sativa</i>	Rambler, Rangelander, Spredor 2, Spyder, Teton, Travois, Victoria	No*	3/1/2020
Alfalfa, perennial	<i>Medicago sativa</i>	Vernal	Yes	Alfalfa, perennial	<i>Medicago sativa</i>	Vernal	No*	3/1/2020
Big Bluestem	<i>Andropogon gerardi</i>	***	Yes	Big Bluestem	<i>Andropogon gerardi</i>	***	No*	3/1/2020
Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	Yes	Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	No*	3/1/2020
				Brome, meadow	<i>Bromus biebersteinii</i>	***	No*	3/1/2020
Clover, alsike	<i>Trifolium hybridum</i>	***	Yes	Clover, alsike	<i>Trifolium hybridum</i>	***	No*	3/1/2020
Field Pea	<i>Pisum sativum</i>	***	Yes	Field Pea	<i>Pisum sativum</i>	***	No*	3/1/2020
Oats	<i>Avena sativa</i>	***	Yes	Oats	<i>Avena sativa</i>	***	No*	3/1/2020
Red clover	<i>Trifolium pratense</i>	Arlington, Dynamite, Lakeland, Marathon, Red Gold	Yes	Red clover	<i>Trifolium pratense</i>	Arlington, Dynamite, Lakeland, Marathon, Red Gold	No*	3/1/2020
Ryegrass, perennial	<i>Lolium perenne</i>	***	Yes	Ryegrass, perennial	<i>Lolium perenne</i>	***	No*	3/1/2020
Vetch, american	<i>Vicia americana</i>	***	Yes	Vetch, american	<i>Vicia americana</i>	***	No*	3/1/2020
				Canada milkvetch	<i>Astragalus canadensis</i>	***	No*	3/1/2020
				Purple Prairie Clover	<i>Dalea purpurea</i>	***	No*	3/1/2020
Wheat, winter	<i>Triticum aestivum</i>	***	Yes	Wheat, winter	<i>Triticum aestivum</i>	***	No*	3/1/2020
Wheatgrass, slender	<i>Elymus trachycaulis</i>	Pryor, Revenue	Yes	Wheatgrass, slender	<i>Elymus trachycaulis</i>	Pryor, Revenue	No*	3/1/2020

\*Certification may be required through special provision

\*\*\*Any named variety of that crop. State the variety name on the label. State the county of origin for native species that are not named varieties.

## General Roadsides and Turf Seed Mixture Component Requirements (25-000 series mixes)

Requirements are in effect until revised by Mn/DOT. Always consult website to determine current requirements. Most recent substitutions are highlighted in orange.

Specifications				Authorized Substitution				
Common Name	Scientific Name	Acceptable Varieties/Origin (refer to footnotes at bottom of page)	Certification Required	Common Name	Scientific Name	Acceptable Varieties/Origin (refer to footnotes at bottom of page)	Certification Required	Authorization Date
Alfalfa, creeping	<i>Medicago sativa</i>	Rambler, Rangelander, Spredor 2, Spyder, Teton, Travois, Victoria	Yes	Alfalfa, creeping	<i>Medicago sativa</i>	Rambler, Rangelander, Spredor 2, Spyder, Teton, Travois, Victoria	No*	3/1/2020
Bluegrass, Canada	<i>Poa compressa</i>	Canon, Reubens, Talon	Yes	Bluegrass, Canada	<i>Poa compressa</i>	Canon, Reubens, Talon	No*	3/3/2020
				Sheeps Fescue	<i>Festuca spp.</i>	Azure, Big Horn, Black Sheep, Blueray, MX 86, Quatro, SR3000	No*	3/1/2020
Bluegrass, Fowl	<i>Poa palustris</i>	MN	Yellow tag	Bluegrass, Fowl	<i>Poa palustris</i>	1-5 or Canada	No*	3/1/2020
				50% Fowl Bluegrass 25% Virginia Wildrye 25% Switchgrass	50% <i>Poa palustris</i> 25% <i>Elymus virginicus</i> 25% <i>Panicum virgatum</i>	1-5 or Canada 1-4 Dakotah or Forestburg	No*	3/1/2020
				50% Fowl Bluegrass 45% Virginia Wildrye 5% Woolgrass	50% <i>Poa palustris</i> 45% <i>Elymus virginicus</i> 5% <i>Scirpus cyperinus</i>	1-5 or Canada 1-4 1-4	No*	3/1/2020
				50% Fowl Bluegrass 40% Virginia Wildrye 10% Prairie Cordgrass	50% <i>Poa palustris</i> 40% <i>Elymus virginicus</i> 10% <i>Spartina pectinata</i>	1-5 or Canada 1-4 1-4	No*	3/1/2020
Bluegrass, Kentucky	<i>Poa pratensis</i>	Park	Blue tag					3/1/2020
Bluegrass, Kentucky - Elite	<i>Poa pratensis</i>	Arrowhead, Award, Desert Moon, Diva, Endurance, Fargo, Fielder, Glade, Merit, Midnight, NuGlade, Rhythm, Volt	Yes	Bluegrass, Kentucky - Elite	<i>Poa pratensis</i>	Arrowhead, Award, Desert Moon, Diva, Endurance, Fargo, Fielder, Glade, Merit, Midnight, NuGlade, Rhythm, Shamrock, Volt	No*	3/13/2020
Bluegrass, Kentucky - Improved	<i>Poa pratensis</i>	Appalachian, Arc, Baron, Blue Angel, Corsair, Jackpot, Moonlight SLT, P105, Rugby II, Shamrock	Yes	Bluegrass, Kentucky - Improved	<i>Poa pratensis</i>	Appalachian, Arc, Baron, Blue Angel, Corsair, Jackpot, Moonlight SLT, P105, Rugby II, Shamrock	No*	3/1/2020
Bluegrass, Kentucky - Low Maintenance	<i>Poa pratensis</i>	Action, Blue Angel, Camas, Certified Park, Desert Moon, Endurance, Tirem, Kenblue	Yes	Bluegrass, Kentucky - Low Maintenance	<i>Poa pratensis</i>	Action, Blue Angel, Camas, Certified Park, Desert Moon, Endurance, Tirem, Kenblue	No*	3/3/2020
Bluestem, little	<i>Schizachyrium scoparium</i>	Itasca germplasm	Yes	Bluestem, little	<i>Schizachyrium scoparium</i>	1-5	No*	3/1/2020
Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	Yes	Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	No*	3/1/2020
				Brome, meadow	<i>Bromus biebersteinii</i>	***	No*	3/1/2020
Clover, red	<i>Trifolium pratense</i>	Arlington, Dynamite, Lakeland, Marathon, Red Gold	Yes	Clover, red	<i>Trifolium pratense</i>	Arlington, Dynamite, Lakeland, Marathon, Red Gold	No*	3/1/2020
Clover, white	<i>Trifolium repens</i>	***	Yes	Clover, white	<i>Trifolium repens</i>	***	No*	3/1/2020
Dropseed, sand	<i>Sporobolus cryptandrus</i>	MN	Yellow tag	Dropseed, sand	<i>Sporobolus cryptandrus</i>	1-5	No*	3/1/2020
Fescue, Chewings	<i>Festuca rubra subsp. commutata</i>	Fairmont, Longfellow 3, Radar, SR5130	Yes	Fescue, Chewings	<i>Festuca rubra subsp. commutata</i>	Fairmont, Longfellow 3, Radar, SR5130	No*	3/1/2020
Fescue, hard	<i>Festuca trachyphylla</i>	Beacon, Chariot, Gladiator Reliant IV, SR3150	Yes	Fescue, hard	<i>Festuca trachyphylla</i>	Beacon, Chariot, Gladiator Reliant IV, SR3150	No*	3/1/2020
Fescue, red creeping	<i>Festuca rubra</i>	Boreal, Epic, Navigator, Seabreeze	Yes	Fescue, red creeping	<i>Festuca rubra</i>	Boreal, Epic, Navigator, Seabreeze	No*	3/1/2020
Fescue, sheeps	<i>Festuca ovina</i>	***	Yes	Fescue, sheeps	<i>Festuca ovina</i>	***	No*	3/1/2020
Prairie clover, purple	<i>Dalea purpurea</i>	MN	Yellow tag	Prairie clover, purple	<i>Dalea purpurea</i>	1-5	No*	3/1/2020
Ryegrass, perennial	<i>Lolium perenne</i>	***	Yes	Ryegrass, perennial	<i>Lolium perenne</i>	***	No*	3/1/2020
Switchgrass	<i>Panicum virgatum</i>	MN	Yes	Switchgrass	<i>Panicum virgatum</i>	Dacotah, Forestburg	No*	3/1/2020
Timothy	<i>Phleum pratense</i>	***	Yes	Timothy	<i>Phleum pratense</i>	***	No*	3/1/2020
Wheatgrass, slender	<i>Elymus trachycaulus</i>	Pryor, Revenue	Yes	Wheatgrass, slender	<i>Elymus trachycaulus</i>	Pryor, Revenue	No*	3/1/2020

\*Certification may be required through special provision

\*\*\*Any named variety of that crop. State the variety name on the label. State the county of origin for native species that are not named varieties.

<sup>1</sup> MCIA certified Source Identified class; origin MN or adjoining portion of adjacent states as described in Mn/DOT Specification 3876.

<sup>2</sup> Source Identified class certified by a seed certifying agency other than MCIA; origin MN or adjoining portion of adjacent states as described in Mn/DOT Specification 3876.

<sup>3</sup> Certified seed of varieties/germplasm listed in Table 3876-1 (Certified, Selected or Tested class as applicable).

<sup>4</sup> Wild type from MN or adjoining portion of adjacent states as described in Mn/DOT Specification 3876.

<sup>5</sup> Wild type from adjacent states (ND, SD, IA, WI)

## Native Seed Mixture Component Requirements (30-000 series mixes)

Requirements are in effect until revised by Mn/DOT. Always consult website to determine current requirements. Most recent substitutions are highlighted in orange.

Specifications				Authorized Substitution				
Common Name	Scientific Name	Acceptable varieties/origin (refer to footnotes on last page)	Certification Required	Common name	Scientific name	Acceptable varieties/origin (refer to footnotes on last page)	Certification Required	Authorization Date
<b>COVER CROP</b>								
Oats	<i>Avena sativa</i>	***	Blue tag**					
Winter Wheat	<i>Triticum aestivum</i>	***	Blue tag**					
<b>NATIVE</b>								
Yarrow	<i>Achillea millefolium</i>	1	Yellow tag					
Sweet Flag	<i>Acorus americanus</i>	1	Yellow tag	Sweet Flag	<i>Acorus americanus</i>	1-4	No*	3/1/2020
				Giant Bur Reed	<i>Sparganium eurycarpum</i>	1	Yes	3/1/2020
Giant Fragrant Hyssop	<i>Agastache foeniculum</i>	1	Yellow tag					
White Snakeroot	<i>Ageratina altissima</i>	1	Yellow tag	White Snakeroot	<i>Ageratina altissima</i>	1-4	No*	3/1/2020
American Water Plantain	<i>Alisma subcordatum</i>	1	Yellow tag					
Northern Water Plantain	<i>Alisma triviale</i>	1	Yellow tag	American Water Plantain	<i>Alisma subcordatum</i>	1	Yes	3/1/2020
Meadow Garlic	<i>Allium canadense</i>	1	Yellow tag	Meadow Garlic	<i>Allium canadense</i>	1-4	No*	3/20/2020
Prairie Onion	<i>Allium stellatum</i>	1	Yellow tag	Nodding Onion	<i>Allium cernuum</i>	1-4	No*	4/29/2020
Leadplant	<i>Amorpha canescens</i>	1	Yellow tag					
Big Bluestem	<i>Andropogon gerardi</i>	1	Yellow tag					
Pearly Everlasting	<i>Anaphalis margaritacea</i>	1	Yellow tag	Pearly Everlasting	<i>Anaphalis margaritacea</i>	1-4	No*	3/1/2020
				Fireweed	<i>Chamerion angustifolium</i>	1	Yes	3/1/2020
				Prairie Onion	<i>Allium stellatum</i>	1	Yes	3/1/2020
				Nodding Onion	<i>Allium cernuum</i>	1-4	No*	4/29/2020
Canada Anemone	<i>Anemone canadensis</i>	1	Yellow tag	Canada Anemone	<i>Anemone canadensis</i>	1-5	No*	6/1/2020
Virginia Anemone	<i>Anemone virginiana</i>	1	Yellow tag	Virginia Anemone	<i>Anemone virginiana</i>	1-4	No*	3/1/2020
				Cream Gentian	<i>Gentiana flavida</i>	1-4	No*	3/1/2020
Columbine	<i>Aquilegia canadensis</i>	1	Yellow tag					
Prairie Sage	<i>Artemisia ludoviciana</i>	1	Yellow tag	Prairie Cinquefoil	<i>Drymocallis arguta</i>	1	Yes	3/1/2020
Marsh Milkweed	<i>Asclepias incarnata</i>	1	Yellow tag					
Common Milkweed	<i>Asclepias syriaca</i>	1	Yellow tag					
Butterfly Milkweed	<i>Asclepias tuberosa</i>	1	Yellow tag	Common Milkweed	<i>Asclepias syriaca</i>	1	Yes	3/1/2020
Whorled Milkweed	<i>Asclepias verticillata</i>	1	Yellow tag	Whorled Milkweed	<i>Asclepias verticillata</i>	1-4	No*	3/1/2020
Canada Milk Vetch	<i>Astragalus canadensis</i>	1	Yellow tag					
American Sloughgrass	<i>Beckmannia syzigachne</i>	1	Yellow tag	American Sloughgrass	<i>Beckmannia syzigachne</i>	1-4	No*	3/1/2020
				Virginia Wildrye	<i>Elymus virginicus</i>	1	Yes	3/1/2020
Nodding Bur Marigold	<i>Bidens cernua</i>	1	Yellow tag	Bottlebrush Sedge	<i>Carex comosa</i>	1	Yes	3/1/2020
				Nodding Bur Marigold	<i>Bidens cernua</i>	1-5	No*	3/1/2020
Leafy Beggarticks	<i>Bidens frondosa</i>	1	Yellow tag	Leafy Beggarticks	<i>Bidens frondosa</i>	1-5	No*	3/1/2020
River Bulrush	<i>Bolboschoenus fluviatilis</i>	1	Yellow tag	River Bulrush	<i>Bolboschoenus fluviatilis</i>	1-4	No*	3/1/2020
Sideoats Grama	<i>Bouteloua curtipendula</i>	1	Yellow tag					
Blue Grama	<i>Bouteloua gracilis</i>	1	Yellow tag					
Fringed Brome	<i>Bromus ciliatus</i>	1	Yellow tag	Virginia Wildrye	<i>Elymus virginicus</i>	1	Yes	3/1/2020
Kalm's Brome	<i>Bromus kalmii</i>	1	Yellow tag					
Bluejoint Grass	<i>Calamagrostis canadensis</i>	1	Yellow tag	Bluejoint Grass	<i>Calamagrostis canadensis</i>	1-5	No*	8/24/2020
Bottlebrush Sedge	<i>Carex comosa</i>	1	Yellow tag					
Porcupine Sedge	<i>Carex hystericina</i>	1	Yellow tag	Porcupine Sedge	<i>Carex hystericina</i>	1-4	No*	3/1/2020
				Lake Sedge	<i>Carex lacustris</i>	1-4	No*	3/1/2020
Lake Sedge	<i>Carex lacustris</i>	1	Yellow tag	Softstem Bulrush	<i>Schoenoplectus tabernaemontani</i>	1	Yes	3/1/2020
Broad-leaved Woolly Sedge	<i>Carex pellita</i>	1	Yellow tag	Porcupine Sedge	<i>Carex hystericina</i>	1-4	No*	3/1/2020
Pointed-broom Sedge	<i>Carex scoparia</i>	1	Yellow tag	Pointed-broom Sedge	<i>Carex scoparia</i>	1-5	No*	3/1/2020
Common Fox Sedge	<i>Carex stipata</i>	1	Yellow tag	Brown Fox Sedge	<i>Carex vulpinoidea</i>	1-5	No*	5/21/2020
				Tussock Sedge	<i>Carex stricta</i>	1-5	No*	3/1/2020
Tussock Sedge	<i>Carex stricta</i>	1	Yellow tag	Bottlebrush Sedge	<i>Carex comosa</i>	1	Yes	3/1/2020

## Native Seed Mixture Component Requirements (30-000 series mixes)

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Specifications				Authorized Substitution				
Common Name	Scientific Name	Acceptable varieties/origin (refer to footnotes on last page)	Certification Required	Common name	Scientific name	Acceptable varieties/origin (refer to footnotes on last page)	Certification Required	Authorization Date
Brown Fox Sedge	<i>Carex vulpinoidea</i>	1	Yellow tag	Brown Fox Sedge	<i>Carex vulpinoidea</i>	1-5	No*	5/21/2020
Partridge Pea	<i>Chamaecrista fasciculata</i>	1	Yellow tag					
Stiff Tic-Seed; Prairie Coreopsis	<i>Coreopsis palmata</i>	1	Yellow tag	Smooth Oxeye	<i>Heliopsis helianthoides</i>	1	Yes	8/28/2020
White Prairie Clover	<i>Dalea candida</i>	1	Yellow tag	White Prairie Clover	<i>Dalea candida</i>	1-4	No*	3/1/2020
Purple Prairie Clover	<i>Dalea purpurea</i>	1	Yellow tag					
Poverty Oats	<i>Danthonia spicata</i>	1	Yellow tag	Poverty Oats	<i>Danthonia spicata</i>	1-4	No*	3/1/2020
				Sprengel's Sedge	<i>Carex sprengei</i>	1	Yes	3/1/2020
Showy Tick Trefoil	<i>Desmodium canadense</i>	1	Yellow tag					
Flat-topped Aster	<i>Doellingeria umbellata</i>	1	Yellow tag	Flat-topped Aster	<i>Doellingeria umbellata</i>	1-5	No*	5/21/2020
Prairie Cinquefoil	<i>Dryocallis arguta</i>	1	Yellow tag					
Narrow-leaved Coneflower	<i>Echinacea angustifolia</i>	1	Yellow tag	Narrow-leaved Coneflower	<i>Echinacea angustifolia</i>	1-4	No*	3/1/2020
Creeping Spikerush	<i>Eleocharis acicularis</i>	1	Yellow tag	Creeping Spikerush	<i>Eleocharis acicularis</i>	1-4	No*	3/1/2020
				Bald Spikerush	<i>Eleocharis erythropoda</i>	1-4	No*	3/1/2020
				Blunt Spikerush	<i>Eleocharis obtusa</i>	1-5	No*	3/1/2020
Great Spikerush	<i>Eleocharis palustris</i>	1	Yellow tag	Great Spikerush	<i>Eleocharis palustris</i>	1-5	No*	3/1/2020
				Bald Spikerush	<i>Eleocharis erythropoda</i>	1-4	No*	3/1/2020
Canada Wildrye	<i>Elymus canadensis</i>	1	Yellow tag	Canada Wildrye	<i>Elymus canadensis</i>	1-4	No*	6/18/2020
Bottlebrush Grass	<i>Elymus hystrix</i>	1	Yellow tag	Bottlebrush grass	<i>Elymus hystrix</i>	1-4	No*	3/1/2020
Riverbank Wildrye	<i>Elymus riparius</i>	1	Yellow tag	Riverbank Wildrye	<i>Elymus riparius</i>	1-4	No*	3/1/2020
				Sprengel's Sedge	<i>Carex sprengei</i>	1	Yes	3/1/2020
Slender Wheatgrass	<i>Elymus trachycaulus</i>	1	Yellow tag	Slender Wheatgrass	<i>Elymus trachycaulus</i>	1-3, Revenue, Pryor	Yes	6/25/2020
Virginia Wildrye	<i>Elymus virginicus</i>	1	Yellow tag					
Boneset	<i>Eupatorium perfoliatum</i>	1	Yellow tag	Spotted Joe-pye Weed	<i>Eutrochium maculatum</i>	1-4	No*	5/21/2020
Large-leaved Aster	<i>Eurybia macrophylla</i>	1	Yellow tag	Large-leaved Aster	<i>Eurybia macrophylla</i>	1-4	No*	3/1/2020
				Bastard Toadflax	<i>Comandra umbellata</i>	1-4	No*	3/1/2020
Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	1	Yellow tag	Stiff Goldenrod	<i>Solidago rigida</i>	1	Yes	3/1/2020
Spotted Joe-pye Weed	<i>Eutrochium maculatum</i>	1	Yellow tag	Spotted Joe-pye Weed	<i>Eutrochium maculatum</i>	1-4	No*	3/1/2020
Reed Manna Grass	<i>Glyceria grandis</i>	1	Yellow tag	Reed Mannna Grass	<i>Glyceria grandis</i>	1-4	No*	3/1/2020
Fowl Manna Grass	<i>Glyceria striata</i>	1	Yellow tag	Fowl Manna Grass	<i>Glyceria striata</i>	1-4	No*	3/1/2020
				Sprengel's Sedge	<i>Carex sprengei</i>	1	Yes	3/1/2020
Sneezeweed	<i>Helenium autumnale</i>	1	Yellow tag					
Giant Sunflower	<i>Helianthus giganteus</i>	1	Yellow tag	Giant Sunflower	<i>Helianthus giganteus</i>	1-4	No*	3/1/2020
				Maximilian Sunflower	<i>Helianthus maximiliani</i>	1-4, S Manitoba	No*	3/1/2020
Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	1	Yellow tag	Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	1-4	No*	4/23/2020
Stiff Sunflower	<i>Helianthus pauciflorus</i>	1	Yellow tag	Stiff Sunflower	<i>Helianthus pauciflorus</i>	1-5	No*	8/20/2020
Early Sunflower	<i>Heliopsis helianthoides</i>	1	Yellow tag					
Porcupine Grass	<i>Hesperostipa spartea</i>	1	Yellow tag	Porcupine Grass	<i>Hesperostipa spartea</i>	1-4	No*	3/1/2020
				Spotted Jewelweed	<i>Impatiens capensis</i>	1-4	No*	3/1/2020
				Monkey Flower	<i>Mimulus ringens</i>	1	Yes	3/1/2020
Spotted Jewelweed	<i>Impatiens capensis</i>	1	Yellow tag	Great St John's Wort	<i>Hypericum ascyron ssp. pyramidatum</i>	1-4	No*	3/1/2020
Northern Blue Flag Iris	<i>Iris versicolor</i>	1	Yellow tag	Northern Blue Flag Iris	<i>Iris versicolor</i>	1-4	No*	3/1/2020
Path Rush	<i>Juncus tenuis</i>	1	Yellow tag	Path Rush	<i>Juncus tenuis</i>	1-4	No*	3/1/2020
				Dudley's Rush	<i>Juncus dudleyi</i>	1-5	No*	3/1/2020
Torrey's Rush	<i>Juncus torreyi</i>	1	Yellow tag	Torrey's Rush	<i>Juncus torreyi</i>	1-4	No*	3/1/2020
				Common Rush	<i>Juncus effusus</i>	1-5	No*	3/1/2020
June Grass	<i>Koeleria macrantha</i>	1	Yellow tag	Bicknell's Sedge	<i>Carex bicknellii</i>	1	Yes	5/29/2020
Rice Cut-grass	<i>Leersia oryzoides</i>	1	Yellow tag					

## Native Seed Mixture Component Requirements (30-000 series mixes)

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Specifications				Authorized Substitution				
Common Name	Scientific Name	Acceptable varieties/origin (refer to footnotes on last page)	Certification Required	Common name	Scientific name	Acceptable varieties/origin (refer to footnotes on last page)	Certification Required	Authorization Date
Round-headed Bushclover	<i>Lespedeza capitata</i>	1	Yellow tag					
Rough Blazingstar	<i>Liatris aspera</i>	1	Yellow tag	Rough Blazingstar	<i>Liatris aspera</i>	1-2	Yes	3/1/2020
Dotted Blazingstar	<i>Liatris punctata</i>	1	Yellow tag	Dotted Blazingstar	<i>Liatris punctata</i>	1-5	No*	3/1/2020
Tall Blazingstar	<i>Liatris pycnostachya</i>	1	Yellow tag	Tall Blazingstar	<i>Liatris pycnostachya</i>	1-4	No*	8/20/2020
Great Blue Lobelia	<i>Lobelia siphilitica</i>	1	Yellow tag	Great Blue Lobelia	<i>Lobelia siphilitica</i>	1-4	No*	3/1/2020
Water Horehound	<i>Lycopus americanus</i>	1	Yellow tag	Monkey Flower	<i>Mimulus ringens</i>	1-2	Yes	3/1/2020
Monkey Flower	<i>Mimulus ringens</i>	1	Yellow tag	Water Horehound	<i>Lycopus americanus</i>	1-4	No*	3/1/2020
Wild Bergamot	<i>Monarda fistulosa</i>	1	Yellow tag	Monkey Flower	<i>Mimulus ringens</i>	1-2	Yes	3/1/2020
Spotted Bee Balm	<i>Monarda punctata</i>	1	Yellow tag	Wild Bergamot	<i>Monarda fistulosaa</i>	1-5	No*	3/1/2020
Green Needlegrass	<i>Nassella viridula</i>	1	Yellow tag	Spotted Bee Balm	<i>Monarda punctata</i>	1-4	No*	3/1/2020
Sweet Cicely	<i>Ozmorhiza claytonii</i>	1	Yellow tag	Cream Gentian	<i>Gentiana flavida</i>	1-4	No*	3/1/2020
Switch Grass	<i>Panicum virgatum</i>	1	Yellow tag	Green Needlegrass	<i>Nassella viridula</i>	1-3, Lodorm	No*	3/3/2020
Western Wheatgrass	<i>Pascopyrum smithii</i>	1	Yellow tag	Sweet Cicely	<i>Ozmorhiza claytonii</i>	1-4	No*	3/1/2020
Showy Penstemon	<i>Penstemon grandiflorus</i>	1	Yellow tag	Early Meadow Rue	<i>Thalictrum dioicum</i>	1-4	No*	3/1/2020
Obedient Plant	<i>Physostegia virginiana</i>	1	Yellow tag	Switch Grass	<i>Panicum virgatum</i>	1-4	No*	6/22/2020
Fowl Bluegrass	<i>Poa palustris</i>	1	Yellow tag	Western Wheatgrass	<i>Pascopyrum smithii</i>	1-3, Rosana	No*	3/1/2020
Common Mountainmint	<i>Pycnanthemum virginianum</i>	1	Yellow tag	Showy Penstemon	<i>Penstemon grandiflorus</i>	1-5	No*	5/22/2020
Columnar Coneflower	<i>Ratibida columnifera</i>	1	Yellow tag	Obedient Plant	<i>Physostegia virginiana</i>	1-2	Yes	3/1/2020
Yellow Coneflower; Gray-headed coneflower	<i>Ratibida pinnata</i>	1	Yellow tag	Cup Plant	<i>Silphium perfoliatum</i>	1	Yes	6/1/2020
Smooth Wild Rose	<i>Rosa blanda</i>	1	Yellow tag	Fowl Bluegrass	<i>Poa palustris</i>	1-5, Canada	No*	3/1/2020
Black-eyed Susan	<i>Rudbeckia hirta</i>	1	Yellow tag	Common Mountainmint	<i>Pycnanthemum virginianum</i>	1-4	No*	5/5/2020
Wild Golden-glow	<i>Rudbeckia laciniata</i>	1	Yellow tag	Columnar Coneflower	<i>Ratibida columnifera</i>	1-5	No*	3/1/2020
Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	1	Yellow tag	Smooth Wild Rose	<i>Rosa blanda</i>	1-4	No*	3/1/2020
False Melic Grass	<i>Schizachne purpurascens</i>	1	Yellow tag	New Jersey Tea	<i>Ceanothus americanus</i>	1-4	No*	3/1/2020
Little Bluestem	<i>Schizachyrium scoparium</i>	1	Yellow tag	Black-eyed Susan	<i>Rudbeckia hirta</i>	1-5	No*	6/18/2020
Three-square Bulrush	<i>Schoenoplectus pungens</i>	1	Yellow tag	Wild Golden-glow	<i>Rudbeckia laciniata</i>	1-4	No*	3/1/2020
Softstem Bulrush	<i>Schoenoplectus tabernaemontani</i>	1	Yellow tag	Meadow Blazingstar	<i>Liatris ligulistylus</i>	1-4	No*	3/1/2020
Green Bulrush	<i>Scirpus atrovirens</i>	1	Yellow tag	Cow Parsnip	<i>Heracleum maximum</i>	1-4	No*	3/1/2020
Woolgrass	<i>Scirpus cyperinus</i>	1	Yellow tag	Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	1	Yes	9/2/2020
Figwort	<i>Scrophularia lanceolata</i>	1	Yellow tag	False Melic Grass	<i>Schizachne purpurascens</i>	1-4	No*	3/1/2020
Zigzag Goldenrod	<i>Solidago flexicaulis</i>	1	Yellow tag	Bottlebrush Grass	<i>Elymus hystrix</i>	1-4	No*	3/3/2020
Giant Goldenrod	<i>Solidago gigantea</i>	1	Yellow tag	Short-beak Sedge	<i>Carex brevior</i>	1-4	No*	3/1/2020
Gray Goldenrod	<i>Solidago nemoralis</i>	1	Yellow tag	Three-square Bulrush	<i>Schoenoplectus pungens</i>	1-4	No*	3/1/2020
				Softstem Bulrush	<i>Schoenoplectus tabernaemontani</i>	1	Yes	3/1/2020
				Figwort	<i>Scrophularia lanceolata</i>	1-4	No*	3/1/2020
				Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	1-4	No*	3/1/2020
				Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	1-4	No*	3/1/2020
				Giant Goldenrod	<i>Solidago gigantea</i>	1-4	No*	3/1/2020
				Maximillian Sunflower	<i>Helianthus maximillani</i>	1-4, S Manitoba	No*	3/1/2020
				Gray Goldenrod	<i>Solidago nemoralis</i>	1-5	No*	5/22/2020

## Native Seed Mixture Component Requirements (30-000 series mixes)

Requirements are in effect until revised by Mn/DOT. Always consult website to determine current requirements. **Most recent substitutions are highlighted in orange.**

Specifications				Authorized Substitution				
Common Name	Scientific Name	Acceptable varieties/origin (refer to footnotes on last page)	Certification Required	Common name	Scientific name	Acceptable varieties/origin (refer to footnotes on last page)	Certification Required	Authorization Date
Upland Goldenrod	<i>Solidago ptarmicoides</i>	1	Yellow tag	Upland Goldenrod	<i>Solidago ptarmicoides</i>	1-5	No*	3/1/2020
Stiff Goldenrod	<i>Solidago rigida</i>	1	Yellow tag					
Showy Goldenrod	<i>Solidago speciosa</i>	1	Yellow tag	Stiff Goldenrod	<i>Solidago rigida</i>	1	Yes	3/1/2020
Indiangrass	<i>Sorghastrum nutans</i>	1	Yellow tag					
Giant Bur Reed	<i>Sparganium eurycarpum</i>	1	Yellow tag					
Prairie Cordgrass	<i>Spartina pectinata</i>	1	Yellow tag	Prairie Cordgrass	<i>Spartina pectinata</i>	1-5	No*	3/20/2020
Sand Dropseed	<i>Sporobolus cryptandrus</i>	1	Yellow tag	Bicknell's Sedge	<i>Carex bicknellii</i>	1	Yes	3/1/2020
				Sand Dropseed	<i>Sporobolus cryptandrus</i>	1-5	No*	3/1/2020
Prairie Dropseed	<i>Sporobolus heterolepis</i>	1	Yellow tag					
Lindley's Aster	<i>Symphotrichum ciliolatum</i>	1	Yellow tag	Sweet Joe-pye Weed	<i>Eutrochium purpureum</i>	1-2	Yes	3/1/2020
				Calico Aster	<i>Symphotrichum lateriflorum</i>	1	Yes	3/1/2020
Heath Aster	<i>Symphotrichum ericoides</i>	1	Yellow tag	Sky Blue Aster	<i>Symphotrichum oolentangiense</i>	1	Yes	3/1/2020
Smooth-blue Aster	<i>Symphotrichum laeve</i>	1	Yellow tag					
Eastern Panicked Aster	<i>Symphotrichum lanceolatum</i>	1	Yellow tag	Eastern Panicked Aster	<i>Symphotrichum lanceolatum</i>	1-5	No*	3/1/2020
				New England Aster	<i>Symphotrichum novae-angliae</i>	1-5	No*	5/21/2020
New England Aster	<i>Symphotrichum novae-angliae</i>	1	Yellow tag	New England Aster	<i>Symphotrichum novae-angliae</i>	1-5	No*	5/21/2020
Sky Blue Aster	<i>Symphotrichum oolentangiense</i>	1	Yellow tag					
Swamp Aster	<i>Symphotrichum puniceum</i>	1	Yellow tag	New England Aster	<i>Symphotrichum novae-angliae</i>	1-5	No*	5/21/2020
Silky Aster	<i>Symphotrichum sericeum</i>	1	Yellow tag	Stiff Gentian	<i>Gentiana quinquefolia</i>	1-4	No*	3/1/2020
				Sky Blue Aster	<i>Symphotrichum oolentangiense</i>	1	Yes	3/1/2020
Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	1	Yellow tag	Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	1-4	No*	3/1/2020
Prairie Spiderwort	<i>Tradescantia bracteata</i>	1	Yellow tag	Giant Fragrant Hyssop	<i>Agastache foeniculum</i>	1	Yes	3/1/2020
Blue Vervain	<i>Verbena hastata</i>	1	Yellow tag	Blue Vervain	<i>Verbena hastata</i>	1-4	No*	3/1/2020
Hoary Vervain	<i>Verbena stricta</i>	1	Yellow tag					
Ironweed	<i>Vernonia fasciculata</i>	1	Yellow tag					
Culver's Root	<i>Veronicastrum virginicum</i>	1	Yellow tag					
American Vetch	<i>Vicia americana</i>	1	Yellow tag	Purple Prairie Clover	<i>Dalea purpurea</i>	1	Yes	3/1/2020
				Showy Tick Trefoil	<i>Desmodium canadense</i>	1	Yes	3/1/2020
Heart-leaved Alexanders	<i>Zizia aptera</i>	1	Yellow tag					
Golden Alexanders	<i>Zizia aurea</i>	1	Yellow tag					

\*Certification may be required through special provision

\*\*Certified seed of any named variety

\*\*\*Any named variety of that crop. State the variety name on the label. State the county of origin for native species that are No\*t named varieties.

<sup>1</sup> MCIA certified Source Identified class; origin MN or adjoining portion of adjacent states as described in Mn/DOT Specification 3876.

<sup>2</sup> Source Identified class certified by a seed certifying agency other than MCIA; origin MN or adjoining portion of adjacent states as described in Mn/DOT Specification 3876.

<sup>3</sup> Certified seed of varieties/germplasm listed in Table 3876-1 (Certified, Selected or Tested class as applicable).

<sup>4</sup> Wild type from MN or adjoining portion of adjacent states as described in Mn/DOT Specification 3876.

<sup>5</sup> Wild type from adjacent states (ND, SD, IA, WI)