

## 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*	3/6/2017
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*	3/6/2017
Alfalfa, perennial	<i>Medicago sativa</i>	Vernal	Yes	Alfalfa, perennial	<i>Medicago sativa</i>	Vernal	No*	3/6/2017
Big Bluestem	<i>Andropogon gerardi</i>	***	Yes	Big Bluestem	<i>Andropogon gerardi</i>	***	No*	3/6/2017
Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	Yes	Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	No*	3/6/2017
				Brome, meadow	<i>Bromus biebersteinii</i>	***	No*	3/6/2017
Clover, alsike	<i>Trifolium hybridum</i>	***	Yes	Clover, alsike	<i>Trifolium hybridum</i>	***	No*	3/6/2017
Field Pea	<i>Pisum sativum</i>	***	Yes	Field Pea	<i>Pisum sativum</i>	***	No*	3/6/2017
Oats	<i>Avena sativa</i>	***	Yes	Oats	<i>Avena sativa</i>	***	No*	3/6/2017
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*	3/6/2017
Ryegrass, perennial	<i>Lolium perenne</i>	***	Yes	Ryegrass, perennial	<i>Lolium perenne</i>	***	No*	3/6/2017
Vetch, american	<i>Vicia americana</i>	***	Yes	Vetch, american	<i>Vicia americana</i>	***	No*	3/6/2017
				Canada milkvetch	<i>Astragalus canadensis</i>	***	No*	3/6/2017
				Purple Prairie Clover	<i>Dalea purpurea</i>	***	No*	3/6/2017
Wheat, winter	<i>Triticum aestivum</i>	***	Yes	Wheat, winter	<i>Triticum aestivum</i>	***	No*	3/6/2017
Wheatgrass, slender	<i>Elymus trachycaulis</i>	Pryor, Revenue	Yes	Wheatgrass, slender	<i>Elymus trachycaulis</i>	Pryor, Revenue	No*	3/6/2017

\*Certification may be required through special provision

\*\*\* = any variety of that crop

## 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	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*	3/6/2017
Bluegrass, Canada	<i>Poa compressa</i>	Common, Reubens, Talon	Yes	Bluegrass, Canada	<i>Poa compressa</i>	Common, Reubens, Talon	No*	3/6/2017
				Sheeps Fescue complex	<i>Festuca spp.</i>	Azure, Big Horn, Black Sheep, Blue-ray, MX 86, Quatro, SR3000	No*	3/6/2017
Bluegrass, Fowl	<i>Poa palustris</i>	MN	Yellow tag	Bluegrass, Fowl	<i>Poa palustris</i>	1-5 or Canada	No*	3/6/2017
				equal parts switchgrass & orchardgrass	<i>equal parts Panicum virgatum &amp; Dactylis glomerata</i>	Dakotah or Forestburg switchgrass any variety of orchardgrass	No*	8/3/2017
				equal parts switchgrass & kentucky bluegrass	<i>equal parts Panicum virgatum &amp; Poa pratensis</i>	Dakotah or Forestburg switchgrass Park kentucky bluegrass	No*	8/3/2017
							Blue tag	8/3/2017
Bluegrass, Kentucky	<i>Poa pratensis</i>	Park	Blue tag					
Bluegrass, Kentucky - Elite	<i>Poa pratensis</i>	Adelphi, Alexa II, Arrowhead, Aspen, Award, Black Jack, Blue Note, Cadet, Columbia, Corsair, Diva, Dynamo, Elipse, Estate, Fargo, Fielder, Fyking, Ginney, Glade, Guinness, Jefferson, Merit, Midnight, Midnight II, Mongoose, Monopoly, Mystere, NuGlade, Parade, Princeton P-105, Prosperity, Rambo, Rhapsody, Rhythm, Touchdown, Victa, Volt	Yes	Bluegrass, Kentucky - Elite	<i>Poa pratensis</i>	Adelphi, Alexa II, Arrowhead, Aspen, Award, Black Jack, Blue Note, Cadet, Columbia, Corsair, Diva, Dynamo, Elipse, Estate, Fargo, Fielder, Fyking, Ginney, Glade, Guinness, Jefferson, Merit, Midnight, Midnight II, Mongoose, Monopoly, Mystere, NuGlade, Parade, Princeton P-105, Prosperity, Rambo, Rhapsody, Rhythm, Touchdown, Victa, Volt	No*	3/6/2017
Bluegrass, Kentucky - Improved	<i>Poa pratensis</i>	Apollo, Appalachian, Arc, Atlantis, Baron, Bedazzled, Blue Angel, Chateau, Dragon, Geronimo, Jackpot, Limosine, Moonlight SLT, Odyssey, Rockstar, Rugby II, Shamrock, Shiraz, Slingshot, Washington, Wildwood	Yes	Bluegrass, Kentucky - Improved	<i>Poa pratensis</i>	Apollo, Appalachian, Arc, Atlantis, Baron, Bedazzled, Blue Angel, Chateau, Dragon, Geronimo, Jackpot, Limosine, Moonlight SLT, Odyssey, Rockstar, Rugby II, Shamrock, Shiraz, Slingshot, Washington, Wildwood	No*	3/6/2017
Bluegrass, Kentucky - Low Maintenance	<i>Poa pratensis</i>	Action, America, Aquila, Argyle, Blue Angel, Caliber, Camas, Certified Park, Challenger, Impact, Kenblue, Nassau, Newport, Ram 1, Nugget, Sydsport, South Dakota	Yes	Bluegrass, Kentucky - Low Maintenance	<i>Poa pratensis</i>	Action, America, Aquila, Argyle, Blue Angel, Caliber, Camas, Certified Park, Challenger, Impact, Kenblue, Nassau, Newport, Ram 1, Nugget, Sydsport, South Dakota	No*	3/6/2017
Bluestem, little	<i>Schizachyrium scoparium</i>	Itasca germplasm	Yes	Bluestem, little	<i>Schizachyrium scoparium</i>	1-5	No*	3/6/2017
Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	Yes	Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	No*	3/6/2017
				Brome, meadow	<i>Bromus biebersteinii</i>	***	No*	3/6/2017
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*	3/6/2017
Clover, white	<i>Trifolium repens</i>	***	Yes	Clover, white	<i>Trifolium repens</i>	***	No*	3/6/2017
Dropseed, sand	<i>Sporobolus cryptandrus</i>	MN	Yellow tag	Dropseed, sand	<i>Sporobolus cryptandrus</i>	1-5	No*	3/6/2017

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*	3/6/2017
Fescue, hard	<i>Festuca trachyphylla</i>	Aurora, Beacon, Chariot, Durar, Eureka II, Reliant II, Reliant III, Reliant IV, Scaldis, SR3150, Stonehenge, Warwick	Yes	Fescue, hard	<i>Festuca trachyphylla</i>	Aurora, Beacon, Chariot, Durar, Eureka II, Reliant II, Reliant III, Reliant IV, Scaldis, SR3150, Stonehenge, Warwick	No*	3/6/2017
Fescue, red creeping	<i>Festuca rubra</i>	Boreal, Cardinal, Cindy, Cindy Lou, Dawson, Epic, Gotham, Longfellow II, Marker, Maxima 1, Navigator, Penlawn, Rosita, Seabreeze, Wendy Jean, Wintergreen	Yes	Fescue, red creeping	<i>Festuca rubra</i>	Boreal, Cardinal, Cindy, Cindy Lou, Dawson, Epic, Gotham, Longfellow II, Marker, Maxima 1, Navigator, Penlawn, Rosita, Seabreeze, Wendy Jean, Wintergreen	No*	3/6/2017
Fescue, sheeps	<i>Festuca ovina</i>	***	Yes	Fescue, sheeps	<i>Festuca ovina</i>	***	No*	3/6/2017
Prairie clover, purple	<i>Dalea purpurea</i>	MN	Yellow tag	Prairie clover, purple	<i>Dalea purpurea</i>	1-5	No*	3/6/2017
Ryegrass, perennial	<i>Lolium perenne</i>	***	Yes	Ryegrass, perennial	<i>Lolium perenne</i>	***	No*	3/6/2017
Switchgrass	<i>Panicum virgatum</i>	MN	Yes	Switchgrass	<i>Panicum virgatum</i>	Dakotah, Forestburg	No*	3/6/2017
Timothy	<i>Phleum pratense</i>	***	Yes	Timothy	<i>Phleum pratense</i>	***	No*	3/6/2017
Wheatgrass, slender	<i>Elymus trachycaulus</i>	Pryor, Revenue	Yes	Wheatgrass, slender	<i>Elymus trachycaulus</i>	Pryor, Revenue	No*	3/6/2017

\*Certification may be required through special provision

\*\*\*any variety of that crop

<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	Columbine	<i>Aquilegia canadensis</i>	1	Yes	3/6/2017
Sweet Flag	<i>Acorus americanus</i>	1	Yellow tag	Sweet Flag	<i>Acorus americanus</i>	1-4	No	3/6/2017
				Giant Bur Reed	<i>Sparganium eurycarpum</i>	1	Yes	3/6/2017
Giant Fragrant Hyssop	<i>Agastache foeniculum</i>	1	Yellow tag	Giant Fragrant Hyssop	<i>Agastache foeniculum</i>	1-4	No	7/27/2017
White Snakeroot	<i>Ageratina altissima</i>	1	Yellow tag	White Snakeroot	<i>Ageratina altissima</i>	1-4	No	3/6/2017
American Water Plantain	<i>Alisma subcordatum</i>	1	Yellow tag	American Water Plantain	<i>Alisma subcordatum</i>	1-4	No	3/6/2017
Northern Water Plantain	<i>Alisma triviale</i>	1	Yellow tag					
Meadow Garlic	<i>Allium canadense</i>	1	Yellow tag	Meadow Garlic	<i>Allium canadense</i>	1-4	No	3/6/2017
Prairie Onion	<i>Allium stellatum</i>	1	Yellow tag	Prairie Onion	<i>Allium stellatum</i>	1-2	Yes	3/6/2017
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	Lindley's Aster	<i>Symphotrichum ciliolatum</i>	1	Yes	3/6/2017
				Pearly Everlasting	<i>Anaphalis margaritacea</i>	1-4	No	3/6/2017
				New Jersey Tea	<i>Ceanothus americanus</i>	1-4	No	6/13/2017
Canada Anemone	<i>Anemone canadensis</i>	1	Yellow tag	Canada Anemone	<i>Anemone canadensis</i>	1-5	No	7/12/2017
Virginia Anemone	<i>Anemone virginiana</i>	1	Yellow tag	Virginia Anemone	<i>Anemone virginiana</i>	1-4	No	3/6/2017
Columbine	<i>Aquilegia canadensis</i>	1	Yellow tag					
Prairie Sage	<i>Artemesia ludoviciana</i>	1	Yellow tag	Black-eyed Susan	<i>Rudbeckia hirta</i>	1-4	No	3/6/2017
Marsh Milkweed	<i>Asclepias incarnata</i>	1	Yellow tag	Marsh Milkweed	<i>Asclepias incarnata</i>	1-4	No	3/6/2017
				Marsh Milkweed	<i>Asclepias incarnata</i>	1-5	No	5/15/2017
Common Milkweed	<i>Asclepias syriaca</i>	1	Yellow tag	Common Milkweed	<i>Asclepias syriaca</i>	1-4	No	3/6/2017
Butterfly Milkweed	<i>Asclepias tuberosa</i>	1	Yellow tag	Butterfly Milkweed	<i>Asclepias tuberosa</i>	1-4	No	3/6/2017
Whorled Milkweed	<i>Asclepias verticillata</i>	1	Yellow tag	Whorled Milkweed	<i>Asclepias verticillata</i>	1-4	No	3/6/2017
Canada Milk Vetch	<i>Astragalus canadensis</i>	1	Yellow tag	Canada Milk Vetch	<i>Astragalus canadensis</i>	1-4	No	3/6/2017
American Sloughgrass	<i>Beckmannia syzigachne</i>	1	Yellow tag	American Sloughgrass	<i>Beckmannia syzigachne</i>	1-4	No	3/6/2017
Nodding Bur Marigold	<i>Bidens cernua</i>	1	Yellow tag	Nodding Bur Marigold	<i>Bidens cernua</i>	1-5	No	3/6/2017
				Bottlebrush Sedge	<i>Carex comosa</i>	1	Yes	10/24/2017
Leafy Beggarticks	<i>Bidens frondosa</i>	1	Yellow tag	Leafy Beggarticks	<i>Bidens frondosa</i>	1-4	No	3/6/2017
River Bulrush	<i>Bolboschoenus fluviatilis</i>	1	Yellow tag	River Bulrush	<i>Bolboschoenus fluviatilis</i>	1-4	No	3/6/2017
Sideoats Grama	<i>Bouteloua curtipendula</i>	1	Yellow tag					
Blue Grama	<i>Bouteloua gracilis</i>	1	Yellow tag	Blue Grama	<i>Bouteloua gracilis</i>	1-5	No	3/20/2017
Fringed Brome	<i>Bromus ciliatus</i>	1	Yellow tag	Fringed Brome	<i>Bromus ciliatus</i>	1-4	No	3/6/2017
Kalm's Brome	<i>Bromus kalmii</i>	1	Yellow tag	Kalm's Brome	<i>Bromus kalmii</i>	1-4	No	3/6/2017
Bluejoint Grass	<i>Calamagrostis canadensis</i>	1	Yellow tag	Bluejoint Grass	<i>Calamagrostis canadensis</i>	1-4	No	3/6/2017
				Bluejoint Grass	<i>Calamagrostis canadensis</i>	1-5	No	11/27/2017
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	3/6/2017
Lake Sedge	<i>Carex lacustris</i>	1	Yellow tag	Broad-leaved Woolly Sedge	<i>Carex pellita</i>	1	Yes	3/6/2017
Broad-leaved Woolly Sedge	<i>Carex pellita</i>	1	Yellow tag					
Pointed-broom Sedge	<i>Carex scoparia</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
Common Fox Sedge	<i>Carex stipata</i>	1	Yellow tag	Bottlebrush Sedge	<i>Carex comosa</i>	1	Yes	3/6/2017
Tussock Sedge	<i>Carex stricta</i>	1	Yellow tag	Bottlebrush Sedge	<i>Carex comosa</i>	1	Yes	3/6/2017
Brown Fox Sedge	<i>Carex vulpinoidea</i>	1	Yellow tag	Brown Fox Sedge	<i>Carex vulpinoidea</i>	1-4	No	3/6/2017
Partridge Pea	<i>Chamaecrista fasciculata</i>	1	Yellow tag					
Stiff Tic-seed; Prairie coreopsis	<i>Coreopsis palmata</i>	1	Yellow tag	Early Sunflower	<i>Heliopsis helianthoides</i>	1	Yes	3/6/2017
White Prairie Clover	<i>Dalea candida</i>	1	Yellow tag	White Prairie Clover	<i>Dalea candida</i>	1-4	No	3/6/2017
Purple Prairie Clover	<i>Dalea purpurea</i>	1	Yellow tag					
Poverty Oats	<i>Danthonia spicata</i>	1	Yellow tag	Nodding fescue	<i>Festuca subverticillata</i>	1	Yes	3/6/2017
				Poverty oats	<i>Danthonia spicata</i>	1-4	No	3/6/2017
				Bottlebrush grass	<i>Elymus hystrix</i>	1	Yes	8/11/2017
				Sprengel's sedge	<i>Carex sprengelii</i>	1	Yes	8/11/2017
Showy Tick Trefoil	<i>Desmodium canadense</i>	1	Yellow tag					
Flat-topped Aster	<i>Doellingeria umbellata</i>	1	Yellow tag	Swamp Aster	<i>Symphotrichum puniceum</i>	1-4	No	3/6/2017
				Flat-topped Aster	<i>Doellingeria umbellata</i>	1-4	No	3/6/2017
				New England Aster	<i>Symphotrichum novae-angliae</i>	1-5	No	9/19/2017
				Tall Blazingstar	<i>Liatris pycnostachya</i>	1	Yes	11/27/2017
Prairie Cinquefoil	<i>Drymocallis arguta</i>	1	Yellow tag	Common Evening Primrose	<i>Oenothera biennis</i>	1-4	No	3/6/2017
				Prairie Cinquefoil	<i>Drymocallis arguta</i>	1-4	No	3/6/2017
Narrow-leaved Coneflower	<i>Echinacea angustifolia</i>	1	Yellow tag	Narrow-leaved Coneflower	<i>Echinacea angustifolia</i>	1-4	No	3/6/2017
				Columnar Coneflower	<i>Ratibida columnifera</i>	1	Yes	3/9/2017
Creeping Spikerush	<i>Eleocharis acicularis</i>	1	Yellow tag	Creeping Spikerush	<i>Eleocharis acicularis</i>	1-4	No	3/6/2017
				Blunt Spikerush	<i>Eleocharis obtusa</i>	1-4	No	3/6/2017
				Bald Spikerush	<i>Eleocharis erythropoda</i>	1-4	No	10/16/2017
				Great Spikerush	<i>Eleocharis palustris</i>	1-4	No	3/6/2017
Canada Wildrye	<i>Elymus canadensis</i>	1	Yellow tag	Bald Spikerush	<i>Eleocharis erythropoda</i>	1-4	No	3/6/2017
Bottlebrush Grass	<i>Elymus hystrix</i>	1	Yellow tag					
Riverbank Wildrye	<i>Elymus riparius</i>	1	Yellow tag	Silky Wildrye	<i>Elymus villosus</i>	1	Yes	3/6/2017
				Silky Wildrye	<i>Elymus villosus</i>	1-4	No	11/27/2017
Slender Wheatgrass	<i>Elymus trachycaulus</i>	1	Yellow tag	Slender Wheatgrass	<i>Elymus trachycaulus</i>	1-3	Yes	3/6/2017
				Silky Wildrye	<i>Elymus villosus</i>	1	Yes	3/6/2017
				Silky Wildrye	<i>Elymus villosus</i>	1-4	No	11/27/2017
Virginia Wildrye	<i>Elymus virginicus</i>	1	Yellow tag	Virginia Wildrye	<i>Elymus virginicus</i>	1-4	No	3/6/2017
Boneset	<i>Eupatorium perfoliatum</i>	1	Yellow tag	Spotted Joe-pye Weed	<i>Eutrochium maculatum</i>	1-2	Yes	11/27/2017
Large-leaved Aster	<i>Eurybia macrophylla</i>	1	Yellow tag	Zigzag Goldenrod	<i>Solidago flexicaulis</i>	1-4	No	3/6/2017
				Upland Goldenrod	<i>Solidago ptarmicoides</i>	1-5	No	3/6/2017
Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	1	Yellow tag	Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	1-4	No	3/6/2017
				Stiff Goldenrod	<i>Oligoneuron rigidum</i>	1	Yes	3/6/2017
Spotted Joe-pye Weed	<i>Eutrochium maculatum</i>	1	Yellow tag	Spotted Joe-pye Weed	<i>Eutrochium maculatum</i>	1-2	Yes	3/6/2017
Reed Manna Grass	<i>Glyceria grandis</i>	1	Yellow tag					
Fowl Manna Grass	<i>Glyceria striata</i>	1	Yellow tag	Fowl Manna Grass	<i>Glyceria striata</i>	1-4	No	3/6/2017
				Reed Manna Grass	<i>Glyceria grandis</i>	1	Yes	3/6/2017

## 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
Sneezeweed	<i>Helenium autumnale</i>	1	Yellow tag	Sneezeweed	<i>Helenium autumnale</i>	1-4	No	3/6/2017
				False Aster	<i>Boltonia asteroides</i>	1-4	No	6/5/2017
Giant Sunflower	<i>Helianthus giganteus</i>	1	Yellow tag	False Aster	<i>Boltonia asteroides</i>	1-5	No	9/19/2017
				Giant Sunflower	<i>Helianthus giganteus</i>	1-4	No	3/6/2017
Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	1	Yellow tag	Maximilian Sunflower	<i>Helianthus maximiliani</i>	1-5	No	3/6/2017
				Cup Plant	<i>Silphium perfoliatum</i>	1-4	No	3/6/2017
Stiff Sunflower	<i>Helianthus pauciflorus</i>	1	Yellow tag	Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	1-4	No	3/6/2017
Early Sunflower	<i>Helianthus pauciflorus</i>	1	Yellow tag	Stiff Sunflower	<i>Helianthus pauciflorus</i>	1-2	Yes	3/6/2017
Porcupine Grass	<i>Hesperostipa spartea</i>	1	Yellow tag					
Great St John's Wort	<i>Hypericum ascyron ssp. pyramidatum</i>	1	Yellow tag	Porcupine Grass	<i>Hesperostipa spartea</i>	1-4	No	3/6/2017
Spotted Jewelweed	<i>Impatiens capensis</i>	1	Yellow tag	Great St John's Wort	<i>Hypericum ascyron ssp. pyramidatum</i>	1-4	No	3/6/2017
				Spotted Jewelweed	<i>Impatiens capensis</i>	1-4	No	3/6/2017
				Monkeyflower	<i>Mimulus ringens</i>	1	Yes	3/6/2017
Northern Blue Flag Iris	<i>Iris versicolor</i>	1	Yellow tag	Monkeyflower	<i>Mimulus ringens</i>	1-5	No	10/24/2017
				Northern Blue Flag Iris	<i>Iris versicolor</i>	1-4	No	3/6/2017
Path Rush	<i>Juncus tenuis</i>	1	Yellow tag	Path Rush	<i>Juncus tenuis</i>	1-5	No	3/6/2017
				Dudley's Rush	<i>Juncus dudleyi</i>	1-5	No	10/16/2017
				Woolgrass	<i>Scirpus cyperinus</i>	1	Yes	6/13/2017
Torrey's Rush	<i>Juncus torreyi</i>	1	Yellow tag	Torrey's Rush	<i>Juncus torreyi</i>	1-4	No	3/6/2017
				Dudley's Rush	<i>Juncus dudleyi</i>	1-5	No	10/16/2017
June Grass	<i>Koeleria macrantha</i>	1	Yellow tag	June Grass	<i>Koeleria macrantha</i>	1-5	No	5/2/2017
Rice Cut-grass	<i>Leersia oryzoides</i>	1	Yellow tag	Rice Cutgrass	<i>Leersia oryzoides</i>	1-5	No	3/6/2017
Round-headed Bushclover	<i>Lespedeza capitata</i>	1	Yellow tag	Round-headed Bushclover	<i>Lespedeza capitata</i>	1-4	No	3/6/2017
Rough Blazingstar	<i>Liatris aspera</i>	1	Yellow tag	Rough Blazingstar	<i>Liatris aspera</i>	1-5	No	3/6/2017
				Early Sunflower	<i>Heliopsis helianthoides</i>	1	Yes	4/10/2017
				Hoary Vervain	<i>Verbena stricta</i>	1-4	No	4/10/2017
Dotted Blazingstar	<i>Liatris punctata</i>	1	Yellow tag	Rough Blazingstar	<i>Liatris aspera</i>	1-5	No	3/6/2017
				Dotted Blazingstar	<i>Liatris punctata</i>	1-5	No	3/6/2017
Tall Blazingstar	<i>Liatris pycnostachya</i>	1	Yellow tag					
Great Blue Lobelia	<i>Lobelia siphilitica</i>	1	Yellow tag	Great Blue Lobelia	<i>Lobelia siphilitica</i>	1-4	No	3/6/2017
				Great Blue Lobelia	<i>Lobelia siphilitica</i>	1-5	No	7/14/2017
				Monkeyflower	<i>Mimulus ringens</i>	1	Yes	3/6/2017
				Monkeyflower	<i>Mimulus ringens</i>	1-5	No	10/24/2017
Water Horehound	<i>Lycopus americanus</i>	1	Yellow tag	Water Horehound	<i>Lycopus americanus</i>	1-4	No	3/6/2017
				Monkey Flower	<i>Mimulus ringens</i>	1	Yes	3/6/2017
				Monkey Flower	<i>Mimulus ringens</i>	1-5	No	10/24/2017
Monkey Flower	<i>Mimulus ringens</i>	1	Yellow tag	Monkey Flower	<i>Mimulus ringens</i>	1-5	No	10/24/2017
Wild Bergamot	<i>Monarda fistulosa</i>	1	Yellow tag	Wild Bergamot	<i>Monarda fistulosa</i>	1-4	No	3/6/2017
Spotted Bee Balm	<i>Monarda punctata</i>	1	Yellow tag	Wild Bergamot	<i>Monarda fistulosa</i>	1-4	No	3/6/2017
				Spotted Bee Balm	<i>Monarda punctata</i>	1-4	No	3/6/2017
Green Needlegrass	<i>Nassella viridula</i>	1	Yellow tag	Green Needlegrass	<i>Nassella viridula</i>	1-5; Lodorm	No	3/6/2017
Sweet Cicely	<i>Ozmothisa claytonii</i>	1	Yellow tag	Sweet Cicely	<i>Ozmothisa claytonii</i>	1-4	No	3/6/2017
				Early Meadow Rue	<i>Thalictrum dioicum</i>	1-4	No	3/6/2017
Switch Grass	<i>Panicum virgatum</i>	1	Yellow tag					
Western Wheatgrass	<i>Pascopyrum smithii</i>	1	Yellow tag	Western Wheatgrass	<i>Pascopyrum smithii</i>	1-5; Rosana	No	3/6/2017

## 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
Showy Penstemon	<i>Penstemon grandiflorus</i>	1	Yellow tag	Slender Penstemon	<i>Penstemon gracilis</i>	1	Yes	3/6/2017
Obedient Plant	<i>Physostegia virginiana</i>	1	Yellow tag	Showy Penstemon	<i>Penstemon grandiflorus</i>	1-5	No	10/24/2017
Fowl Bluegrass	<i>Poa palustris</i>	1	Yellow tag	Obedient Plant	<i>Physostegia virginiana</i>	1-2	Yes	6/13/2017
Common Mountainmint	<i>Pycnanthemum virginianum</i>	1	Yellow tag	Fowl Bluegrass	<i>Poa palustris</i>	1-5; Canada	No	3/6/2017
Columnar Coneflower	<i>Ratibida columnifera</i>	1	Yellow tag	Showy Tick Trefoil	<i>Desmodium canadense</i>	1	Yes	7/14/2017
				Yellow Coneflower; Gray-headed coneflower	<i>Ratibida pinnata</i>	1	Yes	7/14/2017
Yellow Coneflower; Gray-headed coneflower	<i>Ratibida pinnata</i>	1	Yellow tag	Columnar Coneflower	<i>Ratibida columnifera</i>	1-4	No	5/26/2017
Prairie Rose	<i>Rosa arkansana</i>	1	Yellow tag					
Smooth Wild Rose	<i>Rosa blanda</i>	1	Yellow tag	Prairie Rose	<i>Rosa arkansana</i>	1-4	No	3/6/2017
Black-eyed Susan	<i>Rudbeckia hirta</i>	1	Yellow tag	Smooth Wild Rose	<i>Rosa blanda</i>	1-4	No	3/6/2017
				Black-eyed Susan	<i>Rudbeckia hirta</i>	1-4	No	3/6/2017
Wild Golden-glow	<i>Rudbeckia laciniata</i>	1	Yellow tag	Common Evening Primrose	<i>Oenothera biennis</i>	1-4	No	3/6/2017
				Wild Golden-glow	<i>Rudbeckia laciniata</i>	1-5	No	3/6/2017
Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	1	Yellow tag	Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	1-4	No	5/15/2017
				Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	1-5	No	3/6/2017
False Melic Grass	<i>Schizachne purpurascens</i>	1	Yellow tag	False Melic Grass	<i>Schizachne purpurascens</i>	1-4	No	3/6/2017
				Bottlebrush Grass	<i>Elymus hystrix</i>	1	Yes	3/6/2017
Little Bluestem	<i>Schizachyrium scoparium</i>	1	Yellow tag					
Three-square Bulrush	<i>Schoenoplectus pungens</i>	1	Yellow tag	Three-square Bulrush	<i>Schoenoplectus pungens</i>	1-5	No	3/6/2017
				Hardstem Bulrush	<i>Schoenoplectus acutus</i>	1-5	No	3/6/2017
Softstem Bulrush	<i>Schoenoplectus tabernaemontani</i>	1	Yellow tag					
Green Bulrush	<i>Scirpus atrovirens</i>	1	Yellow tag	Green Bulrush	<i>Scirpus atrovirens</i>	1-5	No	3/6/2017
Woolgrass	<i>Scirpus cyperinus</i>	1	Yellow tag					
Figwort	<i>Scrophularia lanceolata</i>	1	Yellow tag	Figwort	<i>Scrophularia lanceolata</i>	1-4	No	3/6/2017
				Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	1-4	No	3/6/2017
Zigzag Goldenrod	<i>Solidago flexicaulis</i>	1	Yellow tag	Zigzag Goldenrod	<i>Solidago flexicaulis</i>	1-4	No	3/6/2017
Giant Goldenrod	<i>Solidago gigantea</i>	1	Yellow tag	Giant Goldenrod	<i>Solidago gigantea</i>	1-4	No	3/6/2017
				Maximilian's Sunflower	<i>Helianthus maximiliani</i>	1-4	No	3/6/2017
Gray Goldenrod	<i>Solidago nemoralis</i>	1	Yellow tag	Gray Goldenrod	<i>Solidago nemoralis</i>	1-4	No	3/6/2017
				Stiff Goldenrod	<i>Oligoneuron rigidum</i>	1	Yes	3/6/2017
Upland Goldenrod	<i>Solidago ptarmicoides</i>	1	Yellow tag	Upland Goldenrod	<i>Solidago ptarmicoides</i>	1-5	No	3/6/2017
Stiff Goldenrod	<i>Oligoneuron rigidum</i>	1	Yellow tag					
Showy Goldenrod	<i>Solidago speciosa</i>	1	Yellow tag	Showy Goldenrod	<i>Solidago speciosa</i>	1-4	No	3/6/2017
				Showy Goldenrod	<i>Solidago speciosa</i>	1-5	No	7/14/2017
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>	1-4, Red River	No	8/11/2017
Sand Dropseed	<i>Sporobolus cryptandrus</i>	1	Yellow tag	Sand Dropseed	<i>Sporobolus cryptandrus</i>	1-5	No	3/6/2017
Prairie Dropseed	<i>Sporobolus heterolepis</i>	1	Yellow tag	Bicknell's Sedge	<i>Carex bicknellii</i>	1	Yes	3/6/2017

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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
Lindley's Aster	<i>Symphiotrichum ciliolatum</i>	1	Yellow tag	Sweet Joe-pye-weed	<i>Eutrochium purpureum</i>	1-2	Yes	6/13/2017
Heath Aster	<i>Symphiotrichum ericoides</i>	1	Yellow tag	Stiff Goldenrod	<i>Oligoneuron rigidum</i>	1	Yes	3/6/2017
				Common Milkweed	<i>Asclepias syriaca</i>	1-4	No	3/6/2017
Smooth-blue Aster	<i>Symphiotrichum laeve</i>	1	Yellow tag	Tall Blazingstar	<i>Liatris pycnostachya</i>	1	Yes	3/6/2017
				Stiff Goldenrod	<i>Oligoneuron rigidum</i>	1	Yes	3/6/2017
Eastern Panicked Aster	<i>Symphiotrichum lanceolatum</i>	1	Yellow tag	Eastern Panicked Aster	<i>Symphiotrichum lanceolatum</i>	1-5	No	3/6/2017
				Smooth-blue Aster	<i>Symphiotrichum laeve</i>	1-4	No	5/15/2017
New England Aster	<i>Symphiotrichum novae-angliae</i>	1	Yellow tag	New England Aster	<i>Symphiotrichum novae-angliae</i>	1-5	No	3/6/2017
				Tall Blazingstar	<i>Liatris pycnostachya</i>	1	Yes	11/27/2017
Sky Blue Aster	<i>Symphiotrichum oolentangiense</i>	1	Yellow tag	Tall Blazingstar	<i>Liatris pycnostachya</i>	1	Yes	3/6/2017
Swamp Aster	<i>Symphiotrichum puniceum</i>	1	Yellow tag	Swamp Aster	<i>Symphiotrichum puniceum</i>	1-4	No	3/6/2017
				New England Aster	<i>Symphiotrichum novae-angliae</i>	1-5	No	9/19/2017
				Tall Blazingstar	<i>Liatris pycnostachya</i>	1	Yes	11/27/2017
Silky Aster	<i>Symphiotrichum sericeum</i>	1	Yellow tag	Silky Aster	<i>Symphiotrichum sericeum</i>	1-4	No	3/6/2017
				Silky Aster	<i>Symphiotrichum sericeum</i>	1-5	No	3/9/2017
				Upland Goldenrod	<i>Solidago ptarmicoides</i>	1-5	No	5/15/2017
Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	1	Yellow tag	Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	1-4	No	3/6/2017
Prairie Spiderwort	<i>Tradescantia bracteata</i>	1	Yellow tag	Prairie Spiderwort	<i>Tradescantia bracteata</i>	1-4	No	3/6/2017
				Ohio Spiderwort	<i>Tradescantia ohioensis</i>	1-4	No	3/6/2017
Blue Vervain	<i>Verbena hastata</i>	1	Yellow tag				No	3/6/2017
Hoary Vervain	<i>Verbena stricta</i>	1	Yellow tag	Hoary Vervain	<i>Verbena stricta</i>	1-4	No	3/6/2017
Ironweed	<i>Vernonia fasciculata</i>	1	Yellow tag	Blue Vervain	<i>Verbena hastata</i>	1-4	No	3/9/2017
				Ironweed	<i>Vernonia fasciculata</i>	1	Yes	3/6/2017
				Blue Vervain	<i>Verbena hastata</i>	1-4	No	3/9/2017
Culver's Root	<i>Veronicastrum virginicum</i>	1	Yellow tag	Culver's Root	<i>Veronicastrum virginicum</i>	1-4	No	3/6/2017
				Yellow Coneflower; Gray-headed coneflower	<i>Ratibida pinnata</i>	1	Yes	3/9/2017
American Vetch	<i>Vicia americana</i>	1	Yellow tag	Purple Prairie Clover	<i>Dalea purpurea</i>	1	Yes	3/6/2017
				Showy Tick Trefoil	<i>Desmodium canadense</i>	1	Yes	3/6/2017
Heart-leaved Alexanders	<i>Zizia aptera</i>	1	Yellow tag	Golden Alexanders	<i>Zizia aurea</i>	1	Yes	3/6/2017
				Heart-leaved Alexanders	<i>Zizia aptera</i>	1-4	No	3/6/2017
Golden Alexanders	<i>Zizia aurea</i>	1	Yellow tag					

\*Certification may be required through special provision

\*\*Certified seed of any variety

\*\*\*Any variety of that crop

<sup>1</sup> MClA 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 MClA; 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).



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<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)