

## 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
<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	3/1/2019
				Giant Bur Reed	<i>Sparganium eurycarpum</i>	1	yes	3/1/2019
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	3/1/2019
American Water Plantain	<i>Alisma subcordatum</i>	1	Yellow tag					
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>	1-2	yes	3/1/2019
				Prairie Onion	<i>Allium stellatum</i>	1-5	no	5/3/2019
Prairie Onion	<i>Allium stellatum</i>	1	Yellow tag	Prairie Onion	<i>Allium stellatum</i>	1-5	no	5/3/2019
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	3/1/2019
				Fireweed	<i>Chamerion angustifolium</i>	1	yes	3/1/2019
				Prairie Onion	<i>Allium stellatum</i>	1	yes	3/1/2019
				Prairie Onion	<i>Allium stellatum</i>	1-5	no	5/3/2019
Canada Anemone	<i>Anemone canadensis</i>	1	Yellow tag	Canada Anemone	<i>Anemone canadensis</i>	1-5	no	8/1/2019
Virginia Anemone	<i>Anemone virginiana</i>	1	Yellow tag	Virginia Anemone	<i>Anemone virginiana</i>	1-5	no	7/10/2019
				Cream Gentian	<i>Gentiana flavida</i>	1-4	no	3/1/2019
Columbine	<i>Aquilegia canadensis</i>	1	Yellow tag	Columbine	<i>Aquilegia canadensis</i>	1-2	yes	3/1/2019
Prairie Sage	<i>Artemisia ludoviciana</i>	1	Yellow tag	Prairie Sage	<i>Artemisia ludoviciana</i>	1-2	yes	3/1/2019
				Silky Aster	<i>Symphotrichum sericeum</i>	1-5	no	5/3/2019
Marsh Milkweed	<i>Asclepias incarnata</i>	1	Yellow tag					
Common Milkweed	<i>Asclepias syriaca</i>	1	Yellow tag	Common Milkweed	<i>Asclepias syriaca</i>	1-4	no	3/1/2019
Butterfly Milkweed	<i>Asclepias tuberosa</i>	1	Yellow tag	Butterfly Milkweed	<i>Asclepias tuberosa</i>	1-5	no	3/28/2019
				Common Milkweed	<i>Asclepias syriaca</i>	1-4	no	4/19/2019
Whorled Milkweed	<i>Asclepias verticillata</i>	1	Yellow tag	Whorled Milkweed	<i>Asclepias verticillata</i>	1-4	no	3/1/2019
Flat-topped Aster	<i>Aster umbellatus</i>	1	Yellow tag	New England Aster	<i>Aster novae-angliae</i>	1-4	no	8/1/2019
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	3/1/2019
Nodding Bur Marigold	<i>Bidens cernua</i>	1	Yellow tag	Bottlebrush Sedge	<i>Carex comosa</i>	1	yes	3/1/2019
				Nodding Bur Marigold	<i>Bidens cernua</i>	1-5	no	3/1/2019
Leafy Beggarticks	<i>Bidens frondosa</i>	1	Yellow tag	Leafy Beggarticks	<i>Bidens frondosa</i>	1-5	no	3/1/2019
				Nodding Bur Marigold	<i>Bidens cernua</i>	1-5	no	6/7/2019
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	Fringed Brome	<i>Bromus ciliatus</i>	1-4	no	3/1/2019
				Virginia Wildrye	<i>Elymus virginicus</i>	1	yes	3/1/2019
Kalm's Brome	<i>Bromus kalmii</i>	1	Yellow tag	Kalm's Brome	<i>Bromus kalmii</i>	1-4	no	3/1/2019
				Bicknell's Sedge	<i>Carex bicknellii</i>	1	yes	3/1/2019
				Riverbank Wildrye	<i>Elymus riparius</i>	1-4	no	3/1/2019
				Slender Wheatgrass	<i>Elymus trachycaulus</i>	1-4	no	3/1/2019
Bluejoint Grass	<i>Calamagrostis canadensis</i>	1	Yellow tag					

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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	3/1/2019
Lake Sedge	<i>Carex lacustris</i>	1	Yellow tag	Lake Sedge	<i>Carex lacustris</i>	1-4	no	3/1/2019
				Softstem Bulrush	<i>Schoenoplectus tabernaemontani</i>	1	yes	3/1/2019
				Softstem Bulrush	<i>Schoenoplectus tabernaemontani</i>	1-4	no	4/17/2019
Broad-leaved Woolly Sedge	<i>Carex pellita</i>	1	Yellow tag	Bottlebrush Sedge	<i>Carex comosa</i>	1	yes	3/1/2019
				Broad-leaved Woolly Sedge	<i>Carex pellita</i>	1-4	no	3/1/2019
Pointed-broom sedge	<i>Carex scoparia</i>	1	Yellow tag	Pointed-broom sedge	<i>Carex scoparia</i>	1-4	no	3/1/2019
				Pointed-broom sedge	<i>Carex scoparia</i>	1-5	no	6/17/2019
Common Fox Sedge	<i>Carex stipata</i>	1	Yellow tag	Common Fox Sedge	<i>Carex stipata</i>	1-4	no	3/1/2019
Tussock Sedge	<i>Carex stricta</i>	1	Yellow tag	Tussock Sedge	<i>Carex stricta</i>	1-5	no	3/1/2019
				Bottlebrush Sedge	<i>Carex comosa</i>	1	yes	3/1/2019
Brown Fox Sedge	<i>Carex vulpinoidea</i>	1	Yellow tag	Brown Fox Sedge	<i>Carex vulpinoidea</i>	1-4	no	3/1/2019
Partridge Pea	<i>Chamaecrista fasciculata</i>	1	Yellow tag					
Stiff Tic-seed; Prairie Coreopsis	<i>Coreopsis palmata</i>	1	Yellow tag	Prairie Coreopsis	<i>Coreopsis palmata</i>	1-4	no	3/1/2019
				Wood Betony	<i>Pedicularis canadensis</i>	1-4	no	3/1/2019
				Meadow Blazingstar	<i>Liatris ligulistylus</i>	1-4	no	3/1/2019
				Prairie Coreopsis	<i>Coreopsis palmata</i>	1-5	no	4/3/2019
White Prairie Clover	<i>Dalea candida</i>	1	Yellow tag	White Prairie Clover	<i>Dalea candida</i>	1-4	no	3/1/2019
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	3/1/2019
				Sprengel's Sedge	<i>Carex sprengei</i>	1	yes	3/1/2019
Showy Tick Trefoil	<i>Desmodium canadense</i>	1	Yellow tag					
Flat-topped Aster	<i>Doellingeria umbellata</i>	1	Yellow tag					
Prairie Cinquefoil	<i>Drymocallis arguta</i>	1	Yellow tag					
Narrow-leaved Coneflower	<i>Echinacea angustifolia</i>	1	Yellow tag	Sky Blue Aster	<i>Symphotrichum oolentangiense</i>	1	no	7/10/2019
Creeping Spikerush	<i>Eleocharis acicularis</i>	1	Yellow tag	Creeping Spikerush	<i>Eleocharis acicularis</i>	1-4	no	3/1/2019
				Bald Spikerush	<i>Eleocharis erythropoda</i>	1-4	no	3/1/2019
Great Spikerush	<i>Eleocharis palustris</i>	1	Yellow tag	Blunt Spikerush	<i>Eleocharis obtusa</i>	1-5	no	3/1/2019
				Great Spikerush	<i>Eleocharis palustris</i>	1-5	no	3/1/2019
				Bald Spikerush	<i>Eleocharis erythropoda</i>	1-4	no	3/1/2019
Canada Wildrye	<i>Elymus canadensis</i>	1	Yellow tag					
Bottlebrush Grass	<i>Elymus hystrix</i>	1	Yellow tag					
Riverbank Wildrye	<i>Elymus riparius</i>	1	Yellow tag	Riverbank Wildrye	<i>Elymus riparius</i>	1-4	no	3/1/2019
Slender Wheatgrass	<i>Elymus trachycaulus</i>	1	Yellow tag	Sprengel's Sedge	<i>Carex sprengei</i>	1	yes	3/1/2019
				Slender Wheatgrass	<i>Elymus trachycaulus</i>	1-3, Revenue	yes	3/1/2019
				Silky Wildrye	<i>Elymus villosus</i>	1-4	no	3/1/2019
Virginia Wildrye	<i>Elymus virginicus</i>	1	Yellow tag					
Boneset	<i>Eupatorium perfoliatum</i>	1	Yellow tag	Boneset	<i>Eupatorium perfoliatum</i>	1-4	no	3/1/2019
				Flat-topped aster	<i>Doellingeria umbellata</i>	1	yes	3/1/2019
				Joe Pye Weed	<i>Eupatorium maculatum</i>	1-2	yes	6/17/2019
Large-leaved Aster	<i>Eurybia macrophylla</i>	1	Yellow tag	Large-leaved Aster	<i>Eurybia macrophylla</i>	1-4	no	3/1/2019

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				Bastard Toadflax	<i>Comandra umbellata</i>	1-4	no	3/1/2019
Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	1	Yellow tag	Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	1-4	no	3/1/2019
				Stiff Goldenrod	<i>Solidago rigida</i>	1	yes	3/1/2019
Spotted Joe-pye Weed	<i>Eutrochium maculatum</i>	1	Yellow tag	Spotted Joe-pye Weed	<i>Eutrochium maculatum</i>	1-2	yes	3/1/2019
Reed Manna Grass	<i>Glyceria grandis</i>	1	Yellow tag	Reed Manna Grass	<i>Glyceria grandis</i>	1-4	no	4/11/2019
Fowl Manna Grass	<i>Glyceria striata</i>	1	Yellow tag	Fowl Manna Grass	<i>Glyceria striata</i>	1-4	no	3/1/2019
				Sprengel's Sedge	<i>Carex sprengelii</i>	1	yes	3/1/2019
				Fowl Manna Grass	<i>Glyceria striata</i>	1-5	no	6/17/2019
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	3/1/2019
				Maximilian Sunflower	<i>Helianthus maximiliani</i>	1-4, S Manitoba	no	3/1/2019
Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	1	Yellow tag	Sawtooth Sunflower	<i>Helianthus grosseserratus</i>	1-4	no	3/1/2019
				Cup Plant	<i>Silphium perfoliatum</i>	1	no	5/3/2019
				Cup Plant	<i>Silphium perfoliatum</i>	1-4	no	5/3/2019
Stiff sunflower	<i>Helianthus pauciflorus</i>	1	Yellow tag	Stiff Sunflower	<i>Helianthus pauciflorus</i>	1-5	no	3/1/2019
Early Sunflower	<i>Heliopsis helianthoides</i>	1	Yellow tag	Ox-eye sunflower	<i>Heliopsis helianthoides</i>	1	yes	4/19/2019
Porcupine Grass	<i>Hesperostipa spartea</i>	1	Yellow tag	Porcupine Grass	<i>Hesperostipa spartea</i>	1-4	no	3/1/2019
Spotted Jewelweed	<i>Impatiens capensis</i>	1	Yellow tag	Spotted Jewelweed	<i>Impatiens capensis</i>	1-4	no	3/1/2019
				Monkey Flower	<i>Mimulus ringens</i>	1-2	yes	3/1/2019
				Great St John's Wort	<i>Hypericum ascyron ssp. pyramidatum</i>	1-4	no	3/1/2019
Northern Blue Flag Iris	<i>Iris versicolor</i>	1	Yellow tag	Northern Blue Flag Iris	<i>Iris versicolor</i>	1-4	no	3/1/2019
Path Rush	<i>Juncus tenuis</i>	1	Yellow tag	Path Rush	<i>Juncus tenuis</i>	1-4	no	3/1/2019
				Dudley's Rush	<i>Juncus dudleyi</i>	1-5	no	3/1/2019
Torrey's Rush	<i>Juncus torreyi</i>	1	Yellow tag	Torrey's Rush	<i>Juncus torreyi</i>	1-4	no	3/1/2019
				Common Rush	<i>Juncus effusus</i>	1-5	no	3/1/2019
June Grass	<i>Koeleria macrantha</i>	1	Yellow tag	Short-beak Sedge	<i>Carex brevior</i>	1-4	no	4/3/2019
Rice Cut-grass	<i>Leersia oryzoides</i>	1	Yellow tag					
Round-headed Bushclover	<i>Lespedeza capitata</i>	1	Yellow tag	Round-headed Bushclover	<i>Lespedeza capitata</i>	1-2	yes	4/23/2019
Rough Blazingstar	<i>Liatris aspera</i>	1	Yellow tag	Early Sunflower	<i>Heliopsis helianthoides</i>	1	yes	3/28/2019
Dotted Blazingstar	<i>Liatris punctata</i>	1	Yellow tag	Dotted Blazingstar	<i>Liatris punctata</i>	1-5	no	3/1/2019
				Rough Blazingstar	<i>Liatris aspera</i>	1	yes	3/1/2019
				Early Sunflower	<i>Heliopsis helianthoides</i>	1	yes	3/28/2019
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>	1-5	no	6/21/2019
Water Horehound	<i>Lycopus americanus</i>	1	Yellow tag	Monkey Flower	<i>Mimulus ringens</i>	1-2	yes	3/1/2019
				Water Horehound	<i>Lycopus americanus</i>	1-4	no	3/1/2019
Monkey Flower	<i>Mimulus ringens</i>	1	Yellow tag	Monkey Flower	<i>Mimulus ringens</i>	1-2	yes	3/1/2019

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Wild Bergamot	<i>Monarda fistulosa</i>	1	Yellow tag	Wild Bergamot	<i>Monarda fistulosa</i>	1-4	no	3/1/2019
Spotted Bee Balm	<i>Monarda punctata</i>	1	Yellow tag	Wild Bergamot	<i>Monarda fistulosa</i>	1-4	no	7/10/2019
				Cream Gentian	<i>Gentiana flavida</i>	1-4	no	3/1/2019
Green Needlegrass	<i>Nassella viridula</i>	1	Yellow tag	Green Needlegrass	<i>Nassella viridula</i>	1-3, Lodorm	no	3/1/2019
Sweet Cicely	<i>Ozmozhiza claytonii</i>	1	Yellow tag	Sweet Cicely	<i>Ozmozhiza claytonii</i>	1-4	no	3/1/2019
				Early Meadow Rue	<i>Thalictrum dioicum</i>	1-4	no	3/1/2019
Switch Grass	<i>Panicum virgatum</i>	1	Yellow tag					
Western Wheatgrass	<i>Pascopyrum smithii</i>	1	Yellow tag	Western Wheatgrass	<i>Pascopyrum smithii</i>	1-3, Rosana	no	3/1/2019
Showy Penstemon	<i>Penstemon grandiflorus</i>	1	Yellow tag	Showy Penstemon	<i>Penstemon grandiflorus</i>	1-5	no	3/1/2019
				Wood Betony	<i>Pedicularis canadensis</i>	1-4	no	3/1/2019
Obedient Plant	<i>Physostegia virginiana</i>	1	Yellow tag	Obedient Plant	<i>Physostegia virginiana</i>	1-2	yes	3/1/2019
				New England Aster	<i>Sympyotrichum novae-angliae</i>	1-4	no	3/1/2019
Fowl Bluegrass	<i>Poa palustris</i>	1	Yellow tag	Fowl Bluegrass	<i>Poa palustris</i>	1-5, Canada	no	3/1/2019
Common Mountainmint	<i>Pycnanthemum virginianum</i>	1	Yellow tag					
Columnar Coneflower	<i>Ratibida columnifera</i>	1	Yellow tag	Columnar Coneflower	<i>Ratibida columnifera</i>	1-5	no	3/1/2019
Yellow Coneflower; Gray-headed coneflower	<i>Ratibida pinnata</i>	1	Yellow tag	Gray-headed Coneflower	<i>Ratibida pinnata</i>	1-2	yes	3/1/2019
Smooth Wild Rose	<i>Rosa blanda</i>	1	Yellow tag	Smooth Wild Rose	<i>Rosa blanda</i>	1-4	no	3/1/2019
				New Jersey Tea	<i>Ceanothus americanus</i>	1-4	no	3/1/2019
Black-eyed Susan	<i>Rudbeckia hirta</i>	1	Yellow tag					
Wild Golden-glow	<i>Rudbeckia laciniata</i>	1	Yellow tag	Wild Golden-glow	<i>Rudbeckia laciniata</i>	1-5	no	3/1/2019
				Meadow Blazingstar	<i>Liatris ligulistylus</i>	1-4	no	3/1/2019
				Cow Parsnip	<i>Heracleum maximum</i>	1-4	no	3/1/2019
Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	1	Yellow tag					
False Melic Grass	<i>Schizachne purpurascens</i>	1	Yellow tag	False Melic Grass	<i>Schizachne purpurascens</i>	1-4	no	3/1/2019
				Bottlebrush Grass	<i>Elymus hystrix</i>	1	yes	3/1/2019
				Short-beak Sedge	<i>Carex brevior</i>	1-4	no	3/1/2019
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>	1-4	no	3/1/2019
Softstem Bulrush	<i>Schoenoplectus tabernaemontani</i>	1	Yellow tag	Softstem Bulrush	<i>Schoenoplectus tabernaemontani</i>	1-4	no	4/17/2019
Green Bulrush	<i>Scirpus atrovirens</i>	1	Yellow tag	Green Bulrush	<i>Scirpus atrovirens</i>	1-4	no	7/5/2019
Woolgrass	<i>Scirpus cyperinus</i>	1	Yellow tag					
Figwort	<i>Scrophularia lanceolata</i>	1	Yellow tag	Figwort	<i>Scrophularia lanceolata</i>	1-4	no	3/1/2019
				Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	1-4	no	3/1/2019
Zigzag Goldenrod	<i>Solidago flexicaulis</i>	1	Yellow tag	Zigzag Goldenrod	<i>Solidago flexicaulis</i>	1-4	no	3/1/2019
				Early Meadow Rue	<i>Thalictrum dioicum</i>	1-4	no	3/1/2019
Giant Goldenrod	<i>Solidago gigantea</i>	1	Yellow tag	Giant Goldenrod	<i>Solidago gigantea</i>	1-4	no	3/1/2019
				Maximilian Sunflower	<i>Helianthus maximiliani</i>	1-4, S Manitoba	no	3/1/2019

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Gray Goldenrod	<i>Solidago nemoralis</i>	1	Yellow tag					
Upland Goldenrod	<i>Solidago ptarmicoides</i>	1	Yellow tag	Upland Goldenrod	<i>Solidago ptarmicoides</i>	1-5	no	3/1/2019
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	3/1/2019
				Gray Goldenrod	<i>Solidago nemoralis</i>	1	yes	3/1/2019
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	no	5/21/2019
Sand Dropseed	<i>Sporobolus cryptandrus</i>	1	Yellow tag	Bicknell's Sedge	<i>Carex bicknellii</i>	1	yes	3/1/2019
				Sand Dropseed	<i>Sporobolus cryptandrus</i>	1-5	no	3/1/2019
Prairie Dropseed	<i>Sporobolus heterolepis</i>	1	Yellow tag					
Lindley's Aster	<i>Symphyotrichum ciliolatum</i>	1	Yellow tag	Sweet Joe-pye Weed	<i>Eutrochium purpureum</i>	1-2	yes	3/1/2019
				Calico Aster	<i>Symphyotrichum lateriflorum</i>	1	yes	3/1/2019
Heath Aster	<i>Symphyotrichum ericoides</i>	1	Yellow tag	Heath Aster	<i>Symphyotrichum ericoides</i>	1-4	yes	7/16/2019
Smooth-blue Aster	<i>Symphyotrichum laeve</i>	1	Yellow tag	Smooth-blue Aster	<i>Symphyotrichum laeve</i>	1-4	no	3/1/2019
Eastern Panicked Aster	<i>Symphyotrichum lanceolatum</i>	1	Yellow tag	Eastern Panicked Aster	<i>Symphyotrichum lanceolatum</i>	1-5	no	3/1/2019
				New England Aster	<i>Symphyotrichum novae-angliae</i>	1-4	no	3/1/2019
New England Aster	<i>Symphyotrichum novae-angliae</i>	1	Yellow tag	New England Aster	<i>Symphyotrichum novae-angliae</i>	1-4	no	3/1/2019
				Cup Plant	<i>Silphium perfoliatum</i>	1	no	3/1/2019
				Cup Plant	<i>Silphium perfoliatum</i>	1-4	no	5/3/2019
Swamp Aster	<i>Symphyotrichum puniceum</i>	1	Yellow tag	New England Aster	<i>Symphyotrichum novae-angliae</i>	1-4	no	3/1/2019
				Meadow Blazingstar	<i>Liatris ligulistylus</i>	1-4	no	3/1/2019
Silky Aster	<i>Symphyotrichum sericeum</i>	1	Yellow tag	Stiff Gentian	<i>Gentianella quinquefolia</i>	1-4	no	3/1/2019
				Sky Blue Aster	<i>Symphyotrichum oolentangiense</i>	1	yes	3/1/2019
Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	1	Yellow tag	Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	1-4	no	3/1/2019
Prairie Spiderwort	<i>Tradescantia bracteata</i>	1	Yellow tag	Prairie Spiderwort	<i>Tradescantia bracteata</i>	1-4	no	3/1/2019
				Giant Fragrant Hyssop	<i>Agastache foeniculum</i>	1	yes	3/1/2019
Blue Vervain	<i>Verbena hastata</i>	1	Yellow tag					

## 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
Hoary Vervain	<i>Verbena stricta</i>	1	Yellow tag	Hoary Vervain	<i>Verbena stricta</i>	1-4	no	3/1/2019
				Wood Betony	<i>Pedicularis canadensis</i>	1-4	no	3/1/2019
Ironweed	<i>Vernonia fasciculata</i>	1	Yellow tag	Blue Vervain	<i>Verbena hastata</i>	1	no	7/10/2019
Culver's Root	<i>Veronicastrum virginicum</i>	1	Yellow tag	Culver's Root	<i>Veronicastrum virginicum</i>	1-2	yes	3/1/2019
				Marsh Betony	<i>Pedicularis lanceolata</i>	1-4	no	3/1/2019
American Vetch	<i>Vicia americana</i>	1	Yellow tag	Purple Prairie Clover	<i>Dalea purpurea</i>	1	yes	3/1/2019
				Showy Tick Trefoil	<i>Desmodium canadense</i>	1	yes	3/1/2019
Heart-leaved Alexanders	<i>Zizia aptera</i>	1	Yellow tag	Golden Alexanders	<i>Zizia aurea</i>	1-5	no	3/22/2019
Golden Alexanders	<i>Zizia aurea</i>	1	Yellow tag	Golden Alexanders	<i>Zizia aurea</i>	1-5	no	6/7/2019

\*Certification may be required through special provision

\*\*Certified seed of any variety

\*\*\*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

<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.

## 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*	3/1/2019
Bluegrass, Canada	<i>Poa compressa</i>	Common, Reubens, Talon	Yes	Bluegrass, Canada	<i>Poa compressa</i>	Common, Reubens, Talon	No*	3/1/2019
				Sheeps Fescue complex	<i>Festuca spp.</i>	Azure, Big Horn, Black Sheep, Blueray, MX 86, Quatro, SR3000	No*	3/1/2019
Bluegrass, Fowl	<i>Poa palustris</i>	MN	Yellow tag	Bluegrass, Fowl	<i>Poa palustris</i>	1-5 or Canada	No*	3/1/2019
				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*	3/1/2019
				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*	3/1/2019
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, Fylking, 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, Fylking, Ginney, Glade, Guinness, Jefferson, Merit, Midnight, Midnight II, Mongoose, Monopoly, Mystere, NuGlade, Parade, Princeton P-105, Prosperity, Rambo, Rhapsody, Rhythm, Touchdown, Victa, Volt	No*	3/1/2019
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*	3/1/2019
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*	3/1/2019
Bluestem, little	<i>Schizachyrium scoparium</i>	Itasca germplasm	Yes	Bluestem, little	<i>Schizachyrium scoparium</i>	1-5	No*	3/1/2019

Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	Yes	Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	No*	3/1/2019
				Brome, meadow	<i>Bromus biebersteinii</i>	***	No*	3/1/2019
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*	3/1/2019
Clover, white	<i>Trifolium repens</i>	***	Yes	Clover, white	<i>Trifolium repens</i>	***	No*	3/1/2019
Dropseed, sand	<i>Sporobolus cryptandrus</i>	MN	Yellow tag	Dropseed, sand	<i>Sporobolus cryptandrus</i>	1-5	No*	3/1/2019
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*	3/1/2019
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*	3/1/2019
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*	3/1/2019
Fescue, sheeps	<i>Festuca ovina</i>	***	Yes	Fescue, sheeps	<i>Festuca ovina</i>	***	No*	3/1/2019
Prairie clover, purple	<i>Dalea purpurea</i>	MN	Yellow tag	Prairie clover, purple	<i>Dalea purpurea</i>	1-5	No*	3/1/2019
Ryegrass, perennial	<i>Lolium perenne</i>	***	Yes	Ryegrass, perennial	<i>Lolium perenne</i>	***	No*	3/1/2019
Switchgrass	<i>Panicum virgatum</i>	MN	Yes	Switchgrass	<i>Panicum virgatum</i>	Dakotah, Forestburg	No*	3/1/2019
Timothy	<i>Phleum pratense</i>	***	Yes	Timothy	<i>Phleum pratense</i>	***	No*	3/1/2019
Wheatgrass, slender	<i>Elymus trachycaulus</i>	Pryor, Revenue	Yes	Wheatgrass, slender	<i>Elymus trachycaulus</i>	Pryor, Revenue	No*	3/1/2019

\*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)



## 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*	3/1/2019
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*	3/1/2019
Alfalfa, perennial	<i>Medicago sativa</i>	Vernal	Yes	Alfalfa, perennial	<i>Medicago sativa</i>	Vernal	No*	3/1/2019
Big Bluestem	<i>Andropogon gerardi</i>	***	Yes	Big Bluestem	<i>Andropogon gerardi</i>	***	No*	3/1/2019
Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	Yes	Brome, smooth	<i>Bromus inermis</i>	Carlton, Lincoln, Manchar, Sac, Signal	No*	3/1/2019
				Brome, meadow	<i>Bromus biebersteinii</i>	***	No*	3/1/2019
Clover, alsike	<i>Trifolium hybridum</i>	***	Yes	Clover, alsike	<i>Trifolium hybridum</i>	***	No*	3/1/2019
Field Pea	<i>Pisum sativum</i>	***	Yes	Field Pea	<i>Pisum sativum</i>	***	No*	3/1/2019
Oats	<i>Avena sativa</i>	***	Yes	Oats	<i>Avena sativa</i>	***	No*	3/1/2019
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*	3/1/2019
Ryegrass, perennial	<i>Lolium perenne</i>	***	Yes	Ryegrass, perennial	<i>Lolium perenne</i>	***	No*	3/1/2019
Vetch, american	<i>Vicia americana</i>	***	Yes	Vetch, american	<i>Vicia americana</i>	***	No*	3/1/2019
				Canada milkvetch	<i>Astragalus canadensis</i>	***	No*	3/1/2019
				Purple Prairie Clover	<i>Dalea purpurea</i>	***	No*	3/1/2019
Wheat, winter	<i>Triticum aestivum</i>	***	Yes	Wheat, winter	<i>Triticum aestivum</i>	***	No*	3/1/2019
Wheatgrass, slender	<i>Elymus trachycaulis</i>	Pryor, Revenue	Yes	Wheatgrass, slender	<i>Elymus trachycaulis</i>	Pryor, Revenue	No*	3/1/2019

\*Certification may be required through special provision

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