



**MNL Pollinator Mix
Wet Mesic Soils**

Mix approved by the Xerces Society for Pollinator habitat enhancement and restoration.
For wet mesic soil sites, height 3-7'

	Scientific Name	Common Name	% of Mix	Seeds/ Sq Ft	PLS lbs/ac	Bloom Season
Grasses:	Andropogon gerardii	Big Bluestem	8.00	2.35	0.64	
	Calamagrostis canadensis	Blue-joint Grass	0.15	1.23	0.01	
	Elymus virginicus	Virginia Wild Rye	16.50	2.04	1.32	
	Glyceria grandis	Reed Manna Grass	1.50	3.52	0.12	
	Glyceria striata	Fowl Manna Grass	2.50	6.61	0.20	
	Leersia oryzoides	Rice Cutgrass	5.00	5.00	0.40	
	Panicum virgatum	Switchgrass	4.00	1.65	0.32	
	Sorghastrum nutans	Indian Grass	10.75	3.79	0.86	
	Spartina pectinata	Prairie Cordgrass	2.00	0.39	0.16	
Sedges/Rushes:	Carex comosa	Bottlebrush Sedge	1.00	0.88	0.08	
	Carex scoparia	Pointed Broom Sedge	1.00	2.47	0.08	
	Carex stipata	Awl-fruited Sedge	1.75	1.75	0.14	
	Carex vulpinoidea	Fox Sedge	3.00	7.14	0.24	
	Scirpus atrovirens	Green Bulrush	0.25	3.38	0.02	
	Scirpus cyperinus	Woolgrass	0.20	9.99	0.02	
Forbs:	Anemone canadensis	Canada Anemone	0.35	0.08	0.03	Spring
	Asclepias incarnata	Rose Milkweed	6.00	0.85	0.48	Summer
	Asclepias syriaca	Common Milkweed	2.25	0.26	0.18	Summer
	Boltonia asteroides	False Aster	1.00	4.70	0.08	Fall
	Desmodium canadense	Showy Tick-trefoil	4.15	0.67	0.33	Summer
	Doellingeria umbellata	Flat-topped Aster	0.30	0.59	0.02	Fall
	Eupatorium perfoliatum	Boneset	0.75	5.51	0.06	Fall
	Eutrochium maculatum	Joe-pye Weed	0.50	1.77	0.04	Summer
	Gentiana andrewsii	Bottle Gentian	0.25	2.06	0.02	Summer
	Helenium autumnale	Sneezeweed	1.00	3.82	0.08	Fall
	Helianthus maximiliani	Maximilian's Sunflower	0.50	0.19	0.04	Fall
	Hypericum pyramidatum	Great St. Johnswort	0.20	1.12	0.02	Summer
	Liatris ligulistylis	Meadow Blazing Star	0.80	0.24	0.06	Summer
	Liatris pycnostachya	Prairie Blazing Star	3.50	1.13	0.28	Summer
	Lilium michiganense	Michigan Lily	0.25	0.07	0.02	Summer
	Lobelia cardinalis	Cardinal Flower	0.20	2.35	0.02	Summer
	Lobelia siphilitica	Great Blue Lobelia	0.30	4.41	0.02	Summer
	Lythrum alatum	Winged Loosestrife	0.75	20.83	0.06	Summer
	Mimulus ringens	Monkey Flower	0.50	33.79	0.04	Summer
	Monarda fistulosa	Wild Bergamot	0.60	1.23	0.05	Summer
	Physostegia virginiana	Obedient Plant	0.75	0.24	0.06	Summer
	Pycnanthemum virginianum	Mountain Mint	0.35	2.26	0.03	Summer
	Ratibida pinnata	Yellow Coneflower	1.50	1.32	0.12	Summer
	Rudbeckia hirta	Black-eyed Susan	1.50	4.06	0.12	Summer
	Scrophularia lanceolata	Early Figwort	0.25	1.36	0.02	Spring
	Silphium perfoliatum	Cup Plant	2.00	0.07	0.16	Summer
	Solidago riddellii	Riddell's Goldenrod	0.45	1.23	0.04	Fall
	Solidago rigida	Stiff Goldenrod	0.90	1.08	0.07	Fall
	Solidago uliginosa	Bog Goldenrod	0.35	1.49	0.03	Fall
	Symphotrichum lanceolatum	Panicked Aster	0.25	1.10	0.02	Fall
	Symphotrichum novae-angliae	New England Aster	2.00	3.88	0.16	Fall
	Thalictrum dasycarpum	Purple Meadow Rue	0.55	0.32	0.04	Summer
	Verbena hastata	Blue Vervain	1.00	2.73	0.08	Summer
	Vernonia fasciculata	Ironweed	3.00	2.12	0.24	Summer
	Veronicastrum virginicum	Culver's Root	0.40	9.40	0.03	Summer
	Zizia aurea	Golden Alexanders	3.00	0.97	0.24	Spring
			100.00	171.50	8.00	

Seeds/sq ft:	172.00
Grass Species:	9
Sedges/Rush Sp:	6
Forb Species:	36

Seed mixes are subject to change based on availability



**MNL Native Songbird Mix
Dry to Mesic Soils**

Mix created based on recommendations from the Audubon Society. Species provide beneficial forage and habitat for MN native Songbirds. Best for Dry to Mesic soils, Height 2-5'

	Scientific Name	Common Name	% of Mix	Seeds/ Sq Ft	PLS lbs/ac	Bloom Season
Grasses:	<i>Bouteloua curtipendula</i>	Side-oats Grama	25.00	9.14	2.50	
	<i>Bouteloua gracilis</i>	Blue Grama	4.25	6.24	0.43	
	<i>Elymus trachycaulus</i>	Slender Wheat Grass	6.00	1.52	0.60	
	<i>Panicum virgatum</i>	Switchgrass	2.50	1.29	0.25	
	<i>Schizachyrium scoparium</i>	Little Bluestem	22.00	12.12	2.20	
	<i>Sorghastrum nutans</i>	Indian Grass	7.00	3.09	0.70	
	<i>Sporobolus compositus</i>	Rough Dropseed	2.50	2.75	0.25	
	<i>Sporobolus heterolepis</i>	Prairie Dropseed	0.50	0.29	0.05	
Sedges:	<i>Carex brevior</i>	Plains Oval Sedge	0.25	0.27	0.03	
Forbs:	<i>Achillea millefolium</i>	Yarrow	0.20	1.29	0.02	Summer
	<i>Amorpha canescens</i>	Leadplant	1.75	1.03	0.18	Summer
	<i>Anemone cylindrica</i>	Long-headed Thimbleweed	0.20	0.19	0.02	Summer
	<i>Aquilegia canadensis</i>	Columbine	0.40	0.56	0.04	Spring
	<i>Artemisia ludoviciana</i>	Prairie Sage	0.20	1.84	0.02	Summer
	<i>Asclepias syriaca</i>	Common Milkweed	4.00	0.59	0.40	Summer
	<i>Asclepias tuberosa</i>	Butterfly Milkweed	1.00	0.16	0.10	Summer
	<i>Cirsium discolor</i>	Field Thistle	0.20	0.05	0.02	Fall
	<i>Dalea candida</i>	White Prairie Clover	4.00	2.79	0.40	Summer
	<i>Dalea purpurea</i>	Purple Prairie Clover	4.00	2.20	0.40	Summer
	<i>Desmodium canadense</i>	Showy Tick-trefoil	1.40	0.28	0.14	Summer
	<i>Helianthus pauciflorus</i>	Stiff Sunflower	0.75	0.11	0.08	Fall
	<i>Helianthus maximiliani</i>	Maximilian's Sunflower	0.90	0.43	0.09	Fall
	<i>Heliopsis helianthoides</i>	Common Ox-eye	1.25	0.29	0.13	Summer
	<i>Liatis punctata</i>	Dotted Blazing Star	0.25	0.06	0.03	Summer
	<i>Liatis ligulistylis</i>	Meadow Blazing Star	1.25	0.46	0.13	Summer
	<i>Monarda fistulosa</i>	Wild Bergamot	0.75	1.93	0.08	Summer
	<i>Penstemon grandiflorus</i>	Large-flower Penstemon	0.75	0.39	0.08	Spring
	<i>Ratibida columnifera</i>	Long-headed Coneflower	1.25	1.93	0.13	Summer
	<i>Rudbeckia hirta</i>	Black-eyed Susan	1.75	5.91	0.18	Summer
	<i>Solidago nemoralis</i>	Gray Goldenrod	0.25	2.75	0.03	Fall
	<i>Solidago rigida</i>	Stiff Goldenrod	1.70	2.56	0.17	Fall
	<i>Solidago speciosa</i>	Showy Goldenrod	0.40	1.40	0.04	Fall
	<i>Symphotrichum laeve</i>	Smooth Blue Aster	0.50	1.01	0.05	Fall
	<i>Symphotrichum oolentangiense</i>	Sky-blue Aster	0.90	2.64	0.09	Fall
			100.00	69.55	10.00	

Seeds/sq ft: 70.00
 Grass Species: 8
 Sedges/Rush Sp: 1
 Forb Species: 25



MNL Woodland Mix

Shade tolerant mix for woodland understories with 75-100% tree cover
Height 2-10'

	Scientific Name	Common Name	% of Mix	Seeds/Sq Ft	PLS lbs/ac	Bloom Season
Grasses:	<i>Elymus hystrix</i>	Bottlebrush Grass	20.00	5.58	2.00	
	<i>Elymus villosus</i>	Silky Wild Rye	23.00	4.65	2.30	
	<i>Elymus virginicus</i>	Virginia Wild Rye	10.00	1.54	1.00	
	<i>Festuca subverticillata</i>	Nodding Fescue	1.00	0.73	0.10	
Sedges/Rushes:	<i>Carex blanda</i>	Eastern Woodland Sedge	7.00	3.21	0.70	
	<i>Carex grisea</i>	Wood Gray Sedge	4.00	0.00	0.40	
	<i>Carex molesta</i>	Troublesome Sedge	4.00	3.67	0.40	
	<i>Carex radiata</i>	Eastern Star Sedge	1.00	1.51	0.10	
	<i>Carex sprengelii</i>	Long-beaked Sedge	5.00	1.84	0.50	
Shrubs:	<i>Sambucus racemosa</i>	Red Elderberry	0.50	0.92	0.05	Spring
Forbs:	<i>Agastache foeniculum</i>	Fragrant Giant Hyssop	1.00	3.31	0.10	Summer
	<i>Ageratina altissima</i>	White Snakeroot	0.25	1.65	0.03	Fall
	<i>Allium tricoccum</i>	Wild Leek	1.50	0.08	0.15	Summer
	<i>Anemone canadensis</i>	Canada Anemone	0.20	0.06	0.02	Spring
	<i>Anemone virginiana</i>	Tall Thimbleweed	0.50	0.51	0.05	Summer
	<i>Aquilegia canadensis</i>	Columbine	1.25	1.74	0.13	Spring
	<i>Campanula americana</i>	Tall Bellflower	0.30	1.87	0.03	Fall
	<i>Caulophyllum thalictroides</i>	Blue Cohosh	3.50	0.01	0.35	Spring
	<i>Cryptotaenia canadensis</i>	Canadian Honewort	4.25	1.09	0.43	Summer
	<i>Dicentra cucullaria</i>	Dutchman's Breeches	0.25	0.16	0.03	Spring
	<i>Diervilla lonicera</i>	Dwarf Bush Honeysuckle	0.20	0.97	0.02	Summer
	<i>Helianthus strumosus</i>	Pale-leaved Sunflower	0.35	0.05	0.04	Fall
	<i>Maianthemum racemosum</i>	Solomon's Plume	1.25	0.02	0.13	Spring
	<i>Mertensia virginica</i>	Virginia Bluebells	0.05	0.02	0.01	Spring
	<i>Mitella diphylla</i>	Bishop's Cap	0.15	0.31	0.02	Spring
	<i>Osmorhiza claytoni</i>	Sweet Cicely	0.90	0.08	0.09	Spring
	<i>Polygonatum biflorum</i>	Solomon's Seal	0.75	0.02	0.08	Spring
	<i>Prenanthes alba</i>	White Rattlesnakeroot	0.70	0.56	0.07	Fall
	<i>Polemonium reptans</i>	Jacob's Ladder	0.50	0.33	0.05	Spring
	<i>Rudbeckia laciniata</i>	Wild Golden Glow	1.75	0.90	0.18	Summer
	<i>Rudbeckia triloba</i>	Brown-eyed Susan	0.85	1.06	0.09	Summer
	<i>Sanguinaria canadensis</i>	Bloodroot	0.20	0.01	0.02	Spring
	<i>Symphotrichum lateriflorum</i>	Calico Aster	2.50	22.96	0.25	Fall
	<i>Thalictrum dioicum</i>	Early Meadow Rue	0.15	0.04	0.02	Spring
	<i>Uvularia grandiflora</i>	Large-flowered Bellwort	1.20	0.03	0.12	Spring
			100.00	61.51	10.00	

Seeds/sq ft:	62.00
Grass Species:	4
Sedge Species:	5
Shrub Species:	1
Forb Species:	25

Seed mixes are subject to change based on availability



MNL Savanna Mix Mixed Height

Great mix for part-sun oak savanna and woodland edge sites
with 25-50% tree cover. Height 3-6'

	Scientific Name	Common Name	% of Mix	Seeds/ Sq Ft	PLS lbs/ac	Bloom Season
Grasses:	Andropogon gerardii	Big Bluestem	5.50	2.42	0.66	
	Bouteloua curtipendula	Side-oats Grama	13.00	5.70	1.56	
	Bromus kalmii	Prairie Brome	5.00	1.76	0.60	
	Elymus hystrix	Bottlebrush Grass	5.00	1.67	0.60	
	Elymus trachycaulus	Slender Wheat Grass	7.00	2.13	0.84	
	Elymus villosus	Silky Wild Rye	5.75	1.39	0.69	
	Elymus virginicus	Virginia Wild Rye	7.00	1.30	0.84	
	Koeleria macrantha	Junegrass	0.50	3.86	0.06	
	Schizachyrium scoparium	Little Bluestem	20.00	13.22	2.40	
	Sorghastrum nutans	Indian Grass	10.00	5.29	1.20	
Sedges/Rushes:	Carex blanda	Eastern Woodland Sedge	1.25	0.69	0.15	
	Carex brevior	Plains Oval Sedge	1.50	1.92	0.18	
	Carex molesta	Troublesome Sedge	0.50	0.55	0.06	
Forbs:	Achillea millefolium	Yarrow	0.15	1.16	0.02	Summer
	Agastache foeniculum	Fragrant Giant Hyssop	0.35	1.39	0.04	Summer
	Amorpha canescens	Leadplant	0.50	0.35	0.06	Summer
	Anemone canadensis	Canada Anemone	0.10	0.04	0.01	Spring
	Anemone virginiana	Tall Thimbleweed	0.10	0.12	0.01	Summer
	Aquilegia canadensis	Columbine	0.50	0.84	0.06	Spring
	Artemisia ludoviciana	Prairie Sage	0.10	1.10	0.01	Summer
	Asclepias syriaca	Common Milkweed	1.10	0.19	0.13	Summer
	Baptisia bracteata	Cream Wild Indigo	0.20	0.01	0.02	Spring
	Chamerion angustifolium	Fireweed	0.05	1.10	0.01	Summer
	Coreopsis palmata	Prairie Coreopsis	0.20	0.09	0.02	Summer
	Dalea purpurea	Purple Prairie Clover	4.00	2.64	0.48	Summer
	Dalea candida	White Prairie Clover	1.50	1.26	0.18	Summer
	Desmodium canadense	Showy Tick-trefoil	2.35	0.57	0.28	Summer
	Drymocallis arguta	Prairie Cinquefoil	0.30	3.04	0.04	Summer
	Helianthus maximiliani	Maximilian's Sunflower	0.40	0.23	0.05	Fall
	Lespedeza capitata	Round-headed Bushclover	0.75	0.26	0.09	Summer
	Liatis aspera	Rough Blazing Star	0.20	0.14	0.02	Summer
	Monarda fistulosa	Wild Bergamot	0.25	0.77	0.03	Summer
	Oenothera biennis	Common Evening Primrose	0.50	1.98	0.06	Fall
	Pseudognaphalium obtusifolium	Sweet Everlasting	0.10	4.17	0.01	Summer
	Rosa arkansana	Prairie Rose	0.25	0.01	0.03	Summer
	Rudbeckia hirta	Black-eyed Susan	1.20	4.87	0.14	Summer
	Solidago nemoralis	Gray Goldenrod	0.15	1.98	0.02	Fall
	Solidago rigida	Stiff Goldenrod	0.50	0.90	0.06	Fall
	Solidago speciosa	Showy Goldenrod	0.20	0.84	0.02	Fall
	Symphyotrichum lateriflorum	Calico Aster	0.50	5.51	0.06	Fall
	Symphyotrichum oolentangiense	Sky-blue Aster	0.40	1.41	0.05	Fall
	Verbena stricta	Hoary Vervain	0.75	0.93	0.09	Summer
	Veronicastrum virginicum	Culver's Root	0.05	1.76	0.01	Summer
	Zizia aptera	Heart-leaved Alexanders	0.30	0.16	0.04	Spring
			100.00	81.74	12.00	

Seeds/sq ft: 82.00
 Grass Species: 10
 Sedge/Rush Species: 3
 Forb Species: 31

Seed mixes are subject to change based on availability



MNL Lakeshore Mix

Shorter grasses/sedges in this mix highlight a diverse list of wildflowers for shoreline areas. Grass/Sedge height 2-4' with taller blooming forbs.

	Scientific Name	Common Name	% of Mix	Seeds/Sq Ft	PLS lbs/ac	Bloom Season
Grasses:	<i>Calamagrostis canadensis</i>	Blue-joint Grass	0.25	1.80	0.02	
	<i>Elymus riparius</i>	Riverbank Wild Rye	2.50	0.19	0.18	
	<i>Leersia oryzoides</i>	Rice Cutgrass	2.00	1.75	0.14	
	<i>Poa palustris</i>	Fowl Bluegrass	3.75	12.53	0.26	
Sedges/Rushes:	<i>Carex comosa</i>	Bottlebrush Sedge	3.00	2.31	0.21	
	<i>Carex hystericina</i>	Porcupine Sedge	7.00	5.40	0.49	
	<i>Carex lupulina</i>	Common Hop Sedge	2.00	0.17	0.14	
	<i>Carex pellita</i>	Woolly Sedge	1.50	1.08	0.11	
	<i>Carex scoparia</i>	Pointed Broom Sedge	2.50	5.40	0.18	
	<i>Carex stipata</i>	Awl-fruited Sedge	5.00	4.37	0.35	
	<i>Carex vulpinoidea</i>	Fox Sedge	6.00	12.50	0.42	
	<i>Schoenoplectus pungens</i>	Three-square Bulrush	1.00	0.31	0.07	
	<i>Schoenoplectus acutus</i>	Hardstem Bulrush	1.50	0.77	0.11	
	<i>Schoenoplectus tabernaemontani</i>	Softstem Bulrush	3.00	3.32	0.21	
	<i>Scirpus atrovirens</i>	Green Bulrush	0.70	8.28	0.05	
	<i>Scirpus cyperinus</i>	Woolgrass	0.20	8.74	0.01	
	<i>Bolboschoenus fluviatilis</i>	River Bulrush	2.00	0.22	0.14	
	Forbs:	<i>Acorus americanus</i>	Sweet Flag	8.50	1.44	0.60
<i>Alisma subcordatum</i>		American Water Plantain	2.00	3.09	0.14	Summer
<i>Amorpha fruticosa</i>		False Indigo	5.00	0.35	0.35	Summer
<i>Anemone canadensis</i>		Canada Anemone	0.75	0.15	0.05	Spring
<i>Asclepias incarnata</i>		Rose Milkweed	8.50	1.05	0.60	Summer
<i>Bidens cernua</i>		Nodding Beggarstick	0.70	0.63	0.05	Summer
<i>Boltonia asteroides</i>		False Aster	0.75	3.09	0.05	Fall
<i>Doellingeria umbellata</i>		Flat-topped Aster	0.50	0.86	0.04	Fall
<i>Eutrochium maculatum</i>		Joe-pye Weed	1.20	3.72	0.08	Summer
<i>Eupatorium perfoliatum</i>		Boneset	0.50	3.21	0.04	Fall
<i>Helenium autumnale</i>		Sneezeweed	1.65	5.52	0.12	Fall
<i>Liatris ligulistylis</i>		Meadow Blazing Star	1.50	0.39	0.11	Summer
<i>Liatris pycnostachya</i>		Prairie Blazing Star	3.50	0.99	0.25	Summer
<i>Lobelia cardinalis</i>		Cardinal Flower	0.40	4.11	0.03	Summer
<i>Lobelia siphilitica</i>		Great Blue Lobelia	0.40	5.14	0.03	Summer
<i>Lythrum alatum</i>		Winged Loosestrife	0.50	12.15	0.04	Summer
<i>Mimulus ringens</i>		Monkey Flower	0.25	14.78	0.02	Summer
<i>Physostegia virginiana</i>		Obedient Plant	1.25	0.35	0.09	Summer
<i>Pycnanthemum virginianum</i>		Mountain Mint	0.25	1.41	0.02	Summer
<i>Rosa blanda</i>		Smooth Rose	1.00	0.07	0.07	Summer
<i>Solidago riddellii</i>		Riddell's Goldenrod	0.55	1.32	0.04	Fall
<i>Solidago uliginosa</i>		Bog Goldenrod	0.35	1.31	0.02	Fall
<i>Sparganium eurycarpum</i>		Giant Burreed	8.00	0.10	0.56	Summer
<i>Symphotrichum novae-angliae</i>		New England Aster	2.50	4.24	0.18	Fall
<i>Verbena hastata</i>		Blue Vervain	1.60	3.83	0.11	Summer
<i>Vernonia fasciculata</i>		Ironweed	3.50	2.16	0.25	Summer
<i>Veronicastrum virginicum</i>		Culver's Root	0.50	10.28	0.04	Summer
			100.00	154.88	7.00	

Seeds/sq ft: 155.00
 Grass Species: 4
 Sedges/Rushes: 13
 Forb Species: 27

Seed mixes are subject to change based on availability



MNL Upland Dry Prairie Mix Shortgrass

Ideal for dry (xeric) or sandy sites, or where shorter species are desired. Height 2-4'

	Scientific Name	Common Name	% of Mix	Seeds/ Sq Ft	PLS lbs/ac	Bloom Season
Grasses:	<i>Bouteloua curtipendula</i>	Side-oats Grama	25.00	10.96	3.00	
	<i>Bouteloua gracilis</i>	Blue Grama	3.00	5.29	0.36	
	<i>Bromus kalmii</i>	Prairie Brome	2.50	0.88	0.30	
	<i>Elymus trachycaulus</i>	Slender Wheat Grass	7.50	2.28	0.90	
	<i>Koeleria macrantha</i>	Junegrass	0.25	1.93	0.03	
	<i>Schizachyrium scoparium</i>	Little Bluestem	26.50	17.52	3.18	
	<i>Sporobolus compositus</i>	Rough Dropseed	2.50	3.31	0.30	
	<i>Sporobolus cryptandrus</i>	Sand Dropseed	0.90	7.93	0.11	
	<i>Sporobolus heterolepis</i>	Prairie Dropseed	0.10	0.07	0.01	
Sedges/Rushes:	<i>Carex brevior</i>	Plains Oval Sedge	1.75	2.24	0.21	
Forbs:	<i>Achillea millefolium</i>	Yarrow	0.08	0.62	0.01	Summer
	<i>Agastache foeniculum</i>	Fragrant Giant Hyssop	0.15	0.60	0.02	Summer
	<i>Allium stellatum</i>	Prairie Onion	0.20	0.10	0.02	Summer
	<i>Amorpha canescens</i>	Leadplant	2.25	1.59	0.27	Summer
	<i>Artemisia ludoviciana</i>	Prairie Sage	0.07	0.77	0.01	Summer
	<i>Asclepias syriaca</i>	Common Milkweed	1.20	0.21	0.14	Summer
	<i>Asclepias verticillata</i>	Whorled Milkweed	0.20	0.10	0.02	Summer
	<i>Baptisia bracteata</i>	Cream Wild Indigo	0.30	0.02	0.04	Spring
	<i>Chamaecrista fasciculata</i>	Partridge Pea	6.00	0.71	0.72	Fall
	<i>Coreopsis palmata</i>	Prairie Coreopsis	0.25	0.11	0.03	Summer
	<i>Dalea candida</i>	White Prairie Clover	4.25	3.56	0.51	Summer
	<i>Dalea purpurea</i>	Purple Prairie Clover	6.35	4.20	0.76	Summer
	<i>Drymocallis arguta</i>	Prairie Cinquefoil	0.30	3.04	0.04	Summer
	<i>Echinacea angustifolia</i>	Narrow-leaved Coneflower	0.50	0.15	0.06	Summer
	<i>Helianthus pauciflorus</i>	Stiff Sunflower	0.50	0.09	0.06	Fall
	<i>Lespedeza capitata</i>	Round-headed Bushclover	0.70	0.25	0.08	Summer
	<i>Liatris punctata</i>	Dotted Blazing Star	0.25	0.08	0.03	Summer
	<i>Monarda punctata</i>	Spotted Bee Balm	0.10	0.40	0.01	Summer
	<i>Penstemon grandiflorus</i>	Large-flower Penstemon	1.00	0.62	0.12	Spring
	<i>Pseudognaphalium obtusifolium</i>	Sweet Everlasting	0.05	2.08	0.01	Summer
	<i>Ratibida columnifera</i>	Long-headed Coneflower	0.80	1.48	0.10	Summer
	<i>Rudbeckia hirta</i>	Black-eyed Susan	1.30	5.27	0.16	Summer
	<i>Solidago missouriensis</i>	Missouri Goldenrod	0.25	2.81	0.03	Fall
	<i>Solidago nemoralis</i>	Gray Goldenrod	0.15	1.98	0.02	Fall
	<i>Solidago ptarmicoides</i>	Upland White Goldenrod	0.55	1.55	0.07	Fall
	<i>Solidago rigida</i>	Stiff Goldenrod	0.20	0.36	0.02	Fall
	<i>Symphotrichum laeve</i>	Smooth Blue Aster	0.40	0.97	0.05	Fall
	<i>Symphotrichum oolentangiense</i>	Sky-blue Aster	0.50	1.76	0.06	Fall
	<i>Tradescantia bracteata</i>	Long-bracted Spiderwort	0.20	0.09	0.02	Spring
	<i>Verbena stricta</i>	Hoary Vervain	0.60	0.74	0.07	Summer
	<i>Zizia aptera</i>	Heart-leaved Alexanders	0.35	0.19	0.04	Spring
			100.00	88.90	12.00	

Seeds/sq ft: 89.00
 Grass Species: 9
 Sedges/Rush Sp: 1
 Forb Species: 31

Seed mixes are subject to change based on availability



**MNL Mesic
Prairie Mix**

Mixed height prairie mix for medium moisture or clay soils. Height 3-6'

	Scientific Name	Common Name	% of Mix	Seeds/Sq Ft	PLS lbs/ac	Bloom Season	
Grasses:	Andropogon gerardii	Big Bluestem	7.00	3.09	0.84		
	Bouteloua curtipendula	Side-oats Grama	14.00	6.14	1.68		
	Bromus kalmii	Prairie Brome	2.50	0.88	0.30		
	Elymus canadensis	Canada Wild Rye	5.25	1.20	0.63		
	Elymus trachycaulus	Slender Wheat Grass	6.00	1.82	0.72		
	Elymus virginicus	Virginia Wild Rye	5.50	1.02	0.66		
	Panicum virgatum	Switchgrass	3.50	2.16	0.42		
	Schizachyrium scoparium	Little Bluestem	18.00	11.90	2.16		
	Sorghastrum nutans	Indian Grass	11.00	5.82	1.32		
	Sporobolus compositus	Rough Dropseed	2.00	2.64	0.24		
Sporobolus heterolepis	Prairie Dropseed	0.25	0.18	0.03			
Forbs:	Achillea millefolium	Yarrow	0.05	0.39	0.01	Summer	
	Agastache foeniculum	Fragrant Giant Hyssop	0.20	0.79	0.02	Summer	
	Amorpha canescens	Leadplant	1.20	0.85	0.14	Summer	
	Asclepias syriaca	Common Milkweed	0.75	0.13	0.09	Summer	
	Asclepias incarnata	Rose Milkweed	0.30	0.06	0.04	Summer	
	Astragalus canadensis	Canada Milk Vetch	1.75	1.31	0.21	Summer	
	Dalea candida	White Prairie Clover	2.70	2.26	0.32	Summer	
	Dalea purpurea	Purple Prairie Clover	4.00	2.84	0.48	Summer	
	Desmodium canadense	Showy Tick-trefoil	2.90	0.70	0.35	Summer	
	Drymocallis arguta	Prairie Cinquefoil	0.25	2.53	0.03	Summer	
	Eryngium yuccifolium	Rattlesnake Master	1.00	0.33	0.12	Summer	
	Glycyrrhiza lepidota	Wild Licorice	0.25	0.04	0.03	Summer	
	Helianthus maximiliani	Maximillian's Sunflower	0.60	0.34	0.07	Fall	
	Heliopsis helianthoides	Common Ox-eye	1.50	0.42	0.18	Summer	
	Liatris ligulistylis	Meadow Blazing Star	0.75	0.33	0.09	Summer	
	Liatris pycnostachya	Prairie Blazing Star	0.65	0.32	0.08	Summer	
	Monarda fistulosa	Wild Bergamot	0.40	1.23	0.05	Summer	
	Pycnanthemum virginianum	Mountain Mint	0.10	0.97	0.01	Summer	
	Ratibida pinnata	Yellow Coneflower	0.80	1.06	0.10	Summer	
	Rudbeckia hirta	Black-eyed Susan	1.30	5.27	0.16	Summer	
	Solidago rigida	Stiff Goldenrod	0.85	1.54	0.10	Fall	
	Solidago speciosa	Showy Goldenrod	0.20	0.84	0.02	Fall	
	Symphyotrichum laeve	Smooth Blue Aster	0.25	0.61	0.03	Fall	
	Symphyotrichum novae-angliae	New England Aster	0.30	0.87	0.04	Fall	
	Symphyotrichum oolentangiense	Sky-blue Aster	0.35	1.23	0.04	Fall	
	Verbena hastata	Blue Vervain	0.40	1.64	0.05	Summer	
	Veronicastrum virginicum	Culver's Root	0.10	3.53	0.01	Summer	
	Zizia aptera	Heart-leaved Alexanders	0.10	0.05	0.01	Spring	
	Zizia aurea	Golden Alexanders	1.00	0.48	0.12	Spring	
				100.00	69.63	12.00	
	Seeds/sq ft:	70.00					
	Grass Species:	11					
Forb Species:	29						

Seed mixes are subject to change based on availability



**MNL Septic
Mound Mix**

Based on U of MN recommendations for landscaping septic mounds/drainfields, and will not interfere with septic operation. Height 1-3'

	Scientific Name	Common Name	% of Mix	Seeds/Sq Ft	PLS lbs/ac	Bloom Season
Grasses:	Bouteloua curtipendula	Side-oats Grama	25.00	10.96	3.00	
	Bromus kalmii	Prairie Brome	5.25	1.85	0.63	
	Elymus trachycaulus	Slender Wheat Grass	6.25	1.90	0.75	
	Koeleria macrantha	Junegrass	0.50	3.86	0.06	
	Schizachyrium scoparium	Little Bluestem	26.00	17.19	3.12	
	Sporobolus compositus	Rough Dropseed	2.50	3.31	0.30	
	Sporobolus heterolepis	Prairie Dropseed	1.00	0.71	0.12	
Sedges:	Carex brevior	Plains Oval Sedge	1.00	1.28	0.12	
Forbs:	Allium stellatum	Prairie Onion	0.75	0.36	0.09	Summer
	Asclepias tuberosa	Butterfly Milkweed	1.25	0.24	0.15	Summer
	Aquilegia canadensis	Columbine	0.20	0.33	0.02	Spring
	Chamaecrista fasciculata	Partridge Pea	2.00	0.24	0.24	Fall
	Dalea candida	White Prairie Clover	5.00	4.19	0.60	Summer
	Dalea purpurea	Purple Prairie Clover	6.50	4.30	0.78	Summer
	Echinacea pallida	Pale Purple Coneflower	4.00	0.92	0.48	Summer
	Heliopsis helianthoides	Common Ox-eye	3.50	0.97	0.42	Summer
	Lespedeza capitata	Round-headed Bushclover	0.65	0.23	0.08	Summer
	Liatris aspera	Rough Blazing Star	0.30	0.21	0.04	Summer
	Monarda fistulosa	Wild Bergamot	0.25	0.77	0.03	Summer
	Monarda punctata	Spotted Bee Balm	0.30	1.19	0.04	Summer
	Penstemon grandiflorus	Large-flower Penstemon	1.00	0.62	0.12	Spring
	Ratibida columnifera	Long-headed Coneflower	1.50	2.78	0.18	Summer
	Rudbeckia hirta	Black-eyed Susan	1.25	5.07	0.15	Summer
	Solidago missouriensis	Missouri Goldenrod	0.10	1.12	0.01	Fall
	Solidago nemoralis	Gray Goldenrod	0.15	1.98	0.02	Fall
	Solidago ptarmicoides	Upland White Goldenrod	0.30	0.85	0.04	Fall
	Solidago rigida	Stiff Goldenrod	0.20	0.36	0.02	Fall
	Solidago speciosa	Showy Goldenrod	0.30	1.26	0.04	Fall
	Symphyotrichum laeve	Smooth Blue Aster	0.50	1.21	0.06	Fall
	Symphyotrichum oolentangiense	Sky-blue Aster	1.00	3.53	0.12	Fall
	Tradescantia bracteata	Long-bracted Spiderwort	0.75	0.33	0.09	Spring
	Verbena stricta	Hoary Vervain	0.75	0.93	0.09	Summer
			100.00	75.03	12.00	
Seeds/sq ft:	75.00					
Grass Species:	7					
Sedge Species:	1					
Forb Species:	24					

Seed mixes are subject to change based on availability