

**Upland Dry Prairie
Packet**

Ideal for dry (xeric) or sandy sites, or where shorter species are desired. Height 2-3'

	Scientific Name	Common Name	% of Mix	Seeds/ Sq Ft	PLS lbs/ac	Bloom Season
Grasses:	<i>Bouteloua curtipendula</i>	Side-Oats Grama	29.00	12.72	3.48	
	<i>Bouteloua gracilis</i>	Blue Grama	5.00	8.82	0.60	
	<i>Bromus kalmii</i>	Prairie Brome	4.00	1.41	0.48	
	<i>Elymus trachycaulus</i>	Slender Wheat Grass	6.00	1.82	0.72	
	<i>Koeleria macrantha</i>	Junegrass	1.00	7.71	0.12	
	<i>Schizachyrium scoparium</i>	Little Bluestem	22.00	14.55	2.64	
	<i>Sporobolus compositus</i>	Rough Dropseed	1.00	1.32	0.12	
	<i>Sporobolus heterolepis</i>	Prairie Dropseed	1.00	0.71	0.12	
Sedges/Rushes:	<i>Carex bicknellii</i>	Bicknell's Sedge	1.00	0.75	0.12	
Forbs:	<i>Achillea millefolium</i>	Yarrow	0.15	1.16	0.02	Summer
	<i>Agastache foeniculum</i>	Fragrant Giant Hyssop	0.15	0.60	0.02	Summer
	<i>Allium stellatum</i>	Prairie Onion	0.50	0.24	0.06	Summer
	<i>Amorpha canescens</i>	Leadplant	2.00	1.41	0.24	Summer
	<i>Asclepias syriaca</i>	Common Milkweed	1.50	0.26	0.18	Summer
	<i>Asclepias tuberosa</i>	Butterfly Milkweed	1.25	0.24	0.15	Summer
	<i>Chamaecrista fasciculata</i>	Partridge Pea	6.00	0.71	0.72	Fall
	<i>Coreopsis palmata</i>	Prairie Coreopsis	0.15	0.07	0.02	Summer
	<i>Dalea candida</i>	White Prairie Clover	4.00	3.35	0.48	Summer
	<i>Dalea purpurea</i>	Purple Prairie Clover	6.75	4.46	0.81	Summer
	<i>Echinacea angustifolia</i>	Narrow-leaved Coneflower	0.25	0.08	0.03	Summer
	<i>Helianthus pauciflorus</i>	Stiff Sunflower	0.25	0.04	0.03	Fall
	<i>Lespedeza capitata</i>	Round-headed Bushclover	1.00	0.35	0.12	Summer
	<i>Liatris aspera</i>	Rough Blazing Star	0.25	0.18	0.03	Summer
	<i>Penstemon grandiflorus</i>	Showy Penstemon	0.50	0.31	0.06	Spring
	<i>Potentilla arguta</i>	Prairie Cinquefoil	0.15	1.52	0.02	Summer
	<i>Ratibida columnifera</i>	Long-Headed Coneflower	1.25	2.31	0.15	Summer
	<i>Rudbeckia hirta</i>	Black Eyed Susan	1.50	6.08	0.18	Summer
	<i>Solidago nemoralis</i>	Gray Goldenrod	0.25	3.31	0.03	Fall
	<i>Solidago rigida</i>	Stiff Goldenrod	0.40	0.72	0.05	Fall
	<i>Symphyotrichum laeve</i>	Smooth Blue Aster	0.25	0.61	0.03	Fall
	<i>Symphyotrichum oolentangiense</i>	Sky Blue Aster	0.60	2.12	0.07	Fall
	<i>Tradescantia bracteata</i>	Prairie Spiderwort	0.15	0.07	0.02	Spring
	<i>Verbena stricta</i>	Hoary Vervain	0.50	0.62	0.06	Summer
	<i>Zizia aptera</i>	Heart-leaf Golden Alexanders	0.25	0.13	0.03	Spring
			100.00	80.75	12.00	

Seeds/sq ft: 81.00
 Grass Species: 8
 Sedges/Rush Sp: 1
 Forb Species: 25



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	7.50	4.13	1.13	
	Bouteloua curtipendula	Side-Oats Grama	18.00	9.87	2.70	
	Bromus kalmii	Prairie Brome	5.00	2.20	0.75	
	Elymus canadensis	Canada Wild Rye	5.00	1.43	0.75	
	Elymus trachycaulus	Slender Wheat Grass	5.00	1.90	0.75	
	Elymus virginicus	Virginia Wild Rye	5.00	1.16	0.75	
	Panicum virgatum	Switchgrass	3.00	2.31	0.45	
	Schizachyrium scoparium	Little Bluestem	15.00	12.40	2.25	
	Sorghastrum nutans	Indian Grass	9.50	6.28	1.43	
	Sporobolus compositus	Rough Dropseed	2.00	3.31	0.30	
Forbs:	Achillea millefolium	Yarrow	0.05	0.48	0.01	Summer
	Agastache foeniculum	Fragrant Giant Hyssop	0.25	1.24	0.04	Summer
	Amorpha canescens	Leadplant	1.00	0.88	0.15	Summer
	Asclepias syriaca	Common Milkweed	1.20	0.26	0.18	Summer
	Asclepias tuberosa	Butterfly Milkweed	0.30	0.07	0.05	Summer
	Chamaecrista fasciculata	Partridge Pea	1.95	0.29	0.29	Fall
	Dalea candida	White Prairie Clover	1.50	1.57	0.23	Summer
	Dalea purpurea	Purple Prairie Clover	5.00	4.13	0.75	Summer
	Desmodium canadense	Canada Tick Trefoil	4.00	1.21	0.60	Summer
	Heliopsis helianthoides	Common Ox-Eye	1.50	0.52	0.23	Summer
	Liatris ligulistylis	Meadow Blazing Star	0.25	0.14	0.04	Summer
	Liatris pycnostachya	Prairie Blazing Star	0.75	0.45	0.11	Summer
	Monarda fistulosa	Wild Bergamot	0.75	2.89	0.11	Summer
	Pycnanthemum virginianum	Mountain Mint	0.20	2.42	0.03	Summer
	Ratibida pinnata	Yellow Coneflower	1.00	1.65	0.15	Summer
	Rudbeckia hirta	Black Eyed Susan	1.25	6.34	0.19	Summer
	Solidago rigida	Stiff Goldenrod	1.25	2.82	0.19	Fall
	Symphotrichum laeve	Smooth Blue Aster	0.25	0.76	0.04	Fall
	Symphotrichum novae-angliae	New England Aster	0.30	1.09	0.05	Fall
	Symphotrichum oolentangiense	Sky Blue Aster	0.50	2.20	0.08	Fall
	Thalictrum dasycarpum	Purple Meadow Rue	0.25	0.28	0.04	Summer
	Verbena hastata	Blue Vervain	0.50	2.56	0.08	Summer
	Verbena stricta	Hoary Vervain	0.50	0.77	0.08	Summer
	Zizia aurea	Golden Alexanders	0.50	0.30	0.08	Spring
			100.00	80.34	15.00	
Seeds/sq ft:	80.00					
Grass Species:	10					
Forb Species:	24					



Becker Soil & Water Conservation District

809 8th Street SE, Detroit Lakes, MN 56501

Pollinator Packet

Mix approved by the Xerces Society for Pollinator habitat enhancement and restoration.

For dry and well-drained to mesic soils. Height 2-3'

	Scientific Name	Common Name	% of Mix	Seeds/Sq Ft	PLS lbs/ac	Bloom Season
Grasses:	<i>Bouteloua curtipendula</i>	Side-Oats Grama	16.00	5.85	1.60	
	<i>Bouteloua gracilis</i>	Blue Grama	4.00	5.88	0.40	
	<i>Bromus kalmii</i>	Prairie Brome	3.00	0.88	0.30	
	<i>Elymus trachycaulus</i>	Slender Wheat Grass	2.00	0.51	0.20	
	<i>Koeleria macrantha</i>	Junegrass	0.50	3.21	0.05	
	<i>Schizachyrium scoparium</i>	Little Bluestem	17.00	9.37	1.70	
	<i>Sporobolus heterolepis</i>	Prairie Dropseed	1.50	0.88	0.15	
Sedges/Rushes:	<i>Carex bicknellii</i>	Bicknell's Sedge	1.00	0.62	0.10	
Forbs:	<i>Achillea millefolium</i>	Yarrow	0.20	1.29	0.02	Summer
	<i>Agastache foeniculum</i>	Fragrant Giant Hyssop	0.50	1.65	0.05	Summer
	<i>Allium stellatum</i>	Prairie Onion	0.60	0.24	0.06	Summer
	<i>Amorpha canescens</i>	Leadplant	3.00	1.76	0.30	Summer
	<i>Anemone canadensis</i>	Canada Anemone	1.00	0.29	0.10	Spring
	<i>Aquilegia canadensis</i>	Columbine	0.35	0.49	0.04	Spring
	<i>Asclepias speciosa</i>	Showy Milkweed	0.50	0.08	0.05	Summer
	<i>Asclepias syriaca</i>	Common Milkweed	1.75	0.26	0.18	Summer
	<i>Asclepias tuberosa</i>	Butterfly Milkweed	1.50	0.24	0.15	Summer
	<i>Astragalus canadensis</i>	Canada Milk Vetch	2.00	1.25	0.20	Summer
	<i>Chamaecrista fasciculata</i>	Partridge Pea	7.00	0.69	0.70	Fall
	<i>Coreopsis palmata</i>	Prairie Coreopsis	0.30	0.11	0.03	Summer
	<i>Dalea candida</i>	White Prairie Clover	5.00	3.49	0.50	Summer
	<i>Dalea purpurea</i>	Purple Prairie Clover	7.50	4.13	0.75	Summer
	<i>Desmodium canadense</i>	Canada Tick Trefoil	4.00	0.81	0.40	Summer
	<i>Echinacea angustifolia</i>	Narrow-leaved Coneflower	1.50	0.39	0.15	Summer
	<i>Helianthus helianthoides</i>	Common Ox-Eye	4.00	0.93	0.40	Summer
	<i>Helianthus pauciflorus</i>	Stiff Sunflower	0.25	0.04	0.03	Fall
	<i>Lespedeza capitata</i>	Round-headed Bushclover	1.50	0.44	0.15	Summer
	<i>Liatris aspera</i>	Rough Blazing Star	0.50	0.29	0.05	Summer
	<i>Liatris ligulistylis</i>	Meadow Blazing Star	1.00	0.37	0.10	Summer
	<i>Monarda fistulosa</i>	Wild Bergamot	0.60	1.54	0.06	Summer
	<i>Penstemon gracilis</i>	Slender Beardtongue	0.15	3.31	0.02	Spring
	<i>Penstemon grandiflorus</i>	Showy Penstemon	0.75	0.39	0.08	Spring
	<i>Phlox pilosa</i>	Prairie Phlox	0.10	0.07	0.01	Spring
	<i>Pycnanthemum virginianum</i>	Mountain Mint	0.20	1.62	0.02	Summer
	<i>Ratibida columnifera</i>	Long-Headed Coneflower	1.25	1.93	0.13	Summer
	<i>Rudbeckia hirta</i>	Black Eyed Susan	1.80	6.08	0.18	Summer
	<i>Solidago nemoralis</i>	Gray Goldenrod	0.20	2.20	0.02	Fall
	<i>Solidago speciosa</i>	Showy Goldenrod	0.20	0.70	0.02	Fall
	<i>Symphotrichum ericoides</i>	Heath Aster	0.25	1.84	0.03	Fall
	<i>Symphotrichum laeve</i>	Smooth Blue Aster	1.00	2.02	0.10	Fall
	<i>Symphotrichum oolentangiense</i>	Sky Blue Aster	1.50	4.41	0.15	Fall
	<i>Tradescantia bracteata</i>	Prairie Spiderwort	0.60	0.22	0.06	Spring
	<i>Verbena stricta</i>	Hoary Vervain	1.50	1.54	0.15	Summer
	<i>Zizia aptera</i>	Heart-leaf Golden Alexanders	0.25	0.11	0.03	Spring
	<i>Zizia aurea</i>	Golden Alexanders	0.70	0.28	0.07	Spring
			100.00	74.69	10.00	

Seeds/sq ft: 75.00
 Grass Species: 7
 Sedges/Rush Sp: 1
 Forb Species: 37

Seed mixes are subject to change based on availability



Becker Soil & Water Conservation District

809 8th Street SE, Detroit Lakes, MN 56501

Short Lakeshore Mix

Shorter grasses/sedges in this mix highlight a diverse list of wildflowers for shoreline areas. Grass/Sedge height 2-3' with taller blooming forbs.

	Scientific Name	Common Name	% of Mix	Seeds/Sq Ft	PLS lbs/ac	Bloom Season
Grasses:	Calamagrostis canadensis	Blue-Joint Grass	1.00	7.20	0.07	
	Poa palustris	Fowl Bluegrass	4.00	13.37	0.28	
Sedges/Rushes:	Carex comosa	Bottlebrush Sedge	14.50	11.18	1.02	
	Carex lacustris	Lake Sedge	2.50	0.71	0.18	
	Carex normalis	Greater Straw Sedge	5.00	3.21	0.35	
	Carex pellita	Broad-Leaved Woolly Sedge	2.25	1.62	0.16	
	Carex retrorsa	Knotsheath Sedge	5.00	1.41	0.35	
	Carex scoparia	Broom Sedge	5.50	11.88	0.39	
	Carex stipata	Common Fox Sedge	5.00	4.37	0.35	
	Schoenoplectus tabernaemontani	Softstem Bulrush	4.00	3.19	0.28	
	Scirpus atrovirens	Green Bulrush	0.75	8.87	0.05	
	Scirpus cyperinus	Woolgrass	0.50	21.85	0.04	
	Scirpus fluviatilis	River Bulrush	10.00	1.11	0.70	
Forbs:	Acorus americanus	Sweet Flag	5.50	0.93	0.39	Summer
	Alisma subcordatum	American Water Plantain	3.00	4.63	0.21	Summer
	Anemone canadensis	Canada Anemone	1.00	0.21	0.07	Spring
	Asclepias incarnata	Marsh Milkweed	5.00	0.62	0.35	Summer
	Chamerion angustifolium	Fireweed	0.25	3.21	0.02	Summer
	Eutrochium maculatum	Joe-Pye Weed	1.50	3.66	0.11	Summer
	Eupatorium perfoliatum	Boneset	0.50	2.06	0.04	Fall
	Helenium autumnale	Sneezeweed	1.00	3.34	0.07	Fall
	Iris versicolor	Northern Blue Flag Iris	3.00	0.10	0.21	Spring
	Liatris ligulistylis	Meadow Blazing Star	0.50	0.13	0.04	Summer
	Liatris pycnostachya	Prairie Blazing Star	2.00	0.57	0.14	Summer
	Lobelia cardinalis	Cardinal Flower	0.10	1.03	0.01	Summer
	Lobelia siphilitica	Great Blue Lobelia	0.50	6.43	0.04	Summer
	Lythrum alatum	Winged Loosestrife	0.10	7.71	0.01	Summer
	Mimulus ringens	Monkey Flower	0.20	11.83	0.01	Summer
	Physostegia virginiana	Obedient Plant	0.25	0.07	0.02	Summer
	Pycnanthemum virginianum	Mountain Mint	0.40	2.26	0.03	Summer
	Rosa blanda	Smooth Rose	2.00	0.13	0.14	Summer
	Solidago riddellii	Riddell's Goldenrod	1.50	3.59	0.11	Fall
	Sparganium eurycarpum	Giant Burreed	5.50	0.07	0.39	Summer
	Symphotrichum novae-angliae	New England Aster	2.00	3.39	0.14	Fall
	Verbena hastata	Blue Vervain	2.00	4.78	0.14	Summer
	Vernonia fasciculata	Ironweed	2.00	1.23	0.14	Summer
	Veronicastrum virginicum	Culvers's Root	0.20	4.11	0.01	Summer
			100.00	156.08	7.00	
Seeds/sq ft:	156.00					
Grass Species:	2					
Sedges/Rushes:	11					
Forb Species:	24					

Seed mixes are subject to change based on availability

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:	<i>Bouteloua curtipendula</i>	Side-Oats Grama	35.00	15.35	4.20	
	<i>Bouteloua gracilis</i>	Blue Grama	6.25	11.02	0.75	
	<i>Koeleria macrantha</i>	Junegrass	1.00	7.71	0.12	
	<i>Schizachyrium scoparium</i>	Little Bluestem	23.00	15.21	2.76	
	<i>Sporobolus heterolepis</i>	Prairie Dropseed	2.00	1.41	0.24	
Sedges:	<i>Carex bicknellii</i>	Bicknell's Sedge	2.75	2.06	0.33	
Forbs:	<i>Allium stellatum</i>	Prairie Onion	1.00	0.48	0.12	Summer
	<i>Antennaria plantaginifolia</i>	Pussytoes	0.10	1.21	0.01	Spring
	<i>Asclepias tuberosa</i>	Butterfly Milkweed	2.50	0.47	0.30	Summer
	<i>Chamaecrista fasciculata</i>	Partridge Pea	3.50	0.42	0.42	Fall
	<i>Dalea candida</i>	White Prairie Clover	4.00	3.35	0.48	Summer
	<i>Dalea purpurea</i>	Purple Prairie Clover	6.00	3.97	0.72	Summer
	<i>Echinacea angustifolia</i>	Narrow-leaved Coneflower	1.00	0.31	0.12	Summer
	<i>Eryngium yuccifolium</i>	Rattlesnake Master	1.30	0.43	0.16	Summer
	<i>Heliopsis helianthoides</i>	Common Ox-Eye	4.00	1.11	0.48	Summer
	<i>Lespedeza capitata</i>	Round-headed Bushclover	0.50	0.18	0.06	Summer
	<i>Liatris aspera</i>	Rough Blazing Star	0.50	0.35	0.06	Summer
	<i>Monarda fistulosa</i>	Wild Bergamot	0.50	1.54	0.06	Summer
	<i>Penstemon gracilis</i>	Slender Beardtongue	0.20	5.29	0.02	Spring
	<i>Penstemon grandiflorus</i>	Showy Penstemon	0.50	0.31	0.06	Spring
	<i>Ratibida columnifera</i>	Long-Headed Coneflower	1.75	3.24	0.21	Summer
	<i>Rudbeckia hirta</i>	Black Eyed Susan	1.25	5.07	0.15	Summer
	<i>Solidago nemoralis</i>	Gray Goldenrod	0.25	3.31	0.03	Fall
	<i>Symphyotrichum ericoides</i>	Heath Aster	0.15	1.32	0.02	Fall
	<i>Verbena stricta</i>	Hoary Vervain	1.00	1.23	0.12	Summer
			100.00	86.35	12.00	
Seeds/sq ft:	86.00					
Grass Species:	5					
Sedge Species:	1					
Forb Species:	19					