

WISCONSIN NATIVE SHRUB GUIDE

Statewide

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-4', Woodlands	Open	N. Bush Honeysuckle (<i>Diervilla lonicera</i>)
E-W	Browse and Fruit, Height-20', Woodlands	Open	Choke Cherry (<i>Prunus virginiana</i>)
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (<i>Rhus typhina</i>)
E-W	Browse and Fruit, Height-1', Open Woodlands, Barrens	Open	Blueberry (<i>Vaccinium</i> sp.)
E-W	Browse and Fruit, Height-6', Woodlands	Partial Shade-Shade	Mapleleaf Viburnum (<i>Viburnum acerifolium</i>)
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Woodlands	Open	Common Blackberry (<i>Rubus allegheniensis</i>)
W	Cover, Height-10', Grasslands	Open	Common Ninebark (<i>Physocarpus opulifolius</i>)
W-MW	Browse and Fruit, Height-25', Fall Foliage, Woodlands	Partial Shade-Shade	Alternatleaf Dogwood (<i>Cornus alternifolia</i>)
W-MW	Browse and Fruit, Height-6', Forms Thickets, Woodlands	Open-Partial Shade	Gray Dogwood (<i>Cornus racemosa</i>)
W-MW	Browse and Fruit, Height-25', Woodlands	Open	Pin Cherry (<i>Prunus pensylvanica</i>)
W-MW	Browse, Fruit and Cover, Height-5', Woodlands	Partial Shade	Prickly Gooseberry (<i>Ribes cynosbati</i>)
W-MW	Browse, Fruit and Cover, Height-5', Woodlands	Open	Black Raspberry (<i>Rubus occidentalis</i>)
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (<i>Crataegus</i> sp.)
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (<i>Prunus pumila</i>)
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (<i>Salix humilis</i> Marshall)
MW	Browse and Nuts, Height-10', Forms Thickets, Woodlands	Open-Partial Shade	American Hazelnut (<i>Corylus americana</i>)
MW	Fruit and Cover, Height-7', Forms Thickets, Woodlands	Open	Elderberry (<i>Sambucus canadensis</i>)
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Woodlands	Partial Shade-Shade	Juneberry, sp. (<i>Amelanchier</i> sp.)
MW-SP	Browse and Fruit, Height-9', Woodlands	Open-Partial Shade	Roundleaf Dogwood (<i>Cornus rugosa</i>)
MW-SP	Browse and Fruit, Height-2', Woodlands	Open-Partial Shade	Black Huckleberry (<i>Gaylussacia baccata</i>)
MW-SP	Browse and Fruit, Height-28', Woodlands	Partial Shade-Shade	Nannyberry (<i>Viburnum lentago</i>)
MW-SP	Cover and Fruit, Height-6', Woodlands	Open-Partial Shade	Downy Arrowwood (<i>Viburnum rafinesquianum</i>)
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Pale Dogwood (<i>Cornus obliqua purpusi</i>)
SP-P	Browse and Fruit, Height-6', Woodlands	Open-Partial Shade	Winterberry (<i>Ilex verticillata</i>)
SP-P	Browse, Fruit and Cover, Height-3', Woodlands	Open	Gooseberry (<i>Ribes hirtellum</i>)
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (<i>Salix interior</i>)
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (<i>Spiraea tomentosa</i>)
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (<i>Spiraea alba</i>)
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (<i>Betula pumila</i>)
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (<i>Cornus stolonifera</i>)
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (<i>Alnus rugosa</i>)

WISCONSIN NATIVE SHRUB GUIDE

Wood

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-5', Forms Thickets, Woodlands	Open-Partial Shade	Carolina Rose (<i>Rosa carolina</i>)
E-W	Cover and Fruit, Height-.5', Forms Mats, Grasslands	Open-Partial Shade	Bearberry (<i>Arctostaphylos uva-ursi</i>)
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (<i>Ceanothus americanus</i>)
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (<i>Comptonia peregrina</i>)
E-W	Cover and Fruit, Height-20', Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (<i>Pyrus ioensis</i>)
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (<i>Juniperus communis</i>)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (<i>Hypericum kalmianum</i>)
W	Nuts, Height-10', Forms Thickets, Woodlands	Open-Partial Shade	Beaked Hazelnut (<i>Corylus cornuta</i>)
W	Fruit and Cover, Height-2', Woodlands	Open	Snowberry (<i>Symphoricarpos albus</i>)
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Woodlands	Open-Partial Shade	Witch Hazel (<i>Hamamelis virginiana</i>)
W-MW	Cover, Height-6', Attracts Hummingbirds, Woodlands	Open-Partial Shade	Am. Fly Honeysuckle (<i>Lonicera canadensis</i>)
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (<i>Rhus copallina</i>)
MW-SP	Fruit and Cover, Height-15', Forms Thickets, Woodlands	Open-Partial Shade	Canada Plum (<i>Prunus nigra</i>)
MW-SP	Browse and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (<i>Prunus americana</i>)
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (<i>Amorpha fruticosa</i>)

WISCONSIN NATIVE TREE GUIDE

Major Land Resource Area (MLRA)	Drainage Class	Uses	Exposure	Species Recommended
91	E-W	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen ¹
	W	Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat, Windbreaks and Shelterbelts	Partial Shade, Shade	Sugar Maple* ¹
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	White Ash
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	Quaking Aspen ¹
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	Northern Red Oak ¹
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat, Christmas Trees	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch*
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ¹
	MW-SP	Riparian Wildlife Habitat, Windbreaks/Shelterbelts	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple ¹
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat, Windbreaks and Shelterbelts	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat, Windbreaks/Shelterbelts	Open	Green Ash ¹
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
SP-P	Riparian Wildlife Habitat	Open	Silver Maple	
P-VP	Forest Products, Riparian Wildlife Habitat	Open	Black Ash ¹	
P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack	
P-VP	Riparian Wildlife Habitat	Open	Black Willow	

*Sugar Maple exhibits allelopathic properties against Yellow Birch

1. Species native range throughout Wisconsin

WISCONSIN NATIVE TREE GUIDE

Major Land Resource Area (MLRA)	Drainage Class	Uses	Exposure	Species Recommended
95A	E-W	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat, Windbreaks/Shelterbelts	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen ¹
	W	Upland Wildlife Habitat, Wind Breaks/Shelterbelts	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat, Wind Breaks/Shelterbelts	Partial Shade, Shade	Sugar Maple* ¹
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	White Ash
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	Quaking Aspen ¹
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	Northern Red Oak ¹
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat, Christmas Trees	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Wildlife Habitat	Open	Butternut
	W-MW	Forest Products, Wildlife Habitat	Open	Paper Birch ¹
	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry ¹
	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood ¹
	W-MW	Forest Products, Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Rock Elm
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ¹
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat, Wind Breaks/Shelterbelts	Open	Hackberry
MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple ¹	
MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar	
MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood	
MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	Northern White Cedar	
SP-P	Forest Products, Riparian Wildlife Habitat, Wind Breaks/Shelterbelts	Open	Green Ash ¹	

*Sugar Maple exhibits allelopathic properties against Yellow Birch

1. Species native range throughout Wisconsin

WISCONSIN NATIVE TREE GUIDE

Major Land Resource Area	Drainage Class	Uses	Exposure	Species Recommended
95A (cont.)	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Riparian Wildlife Habitat	Open	Black Ash ¹
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Forest Products, Wetland Wildlife Habitat	Open, Partial Shade	Black Spruce

*Sugar Maple exhibits allelopathic properties against Yellow Birch

1. Species native range throughout Wisconsin

Dry Site Native Species

Plant Type	Genus and species	Common Name	Total		Moisture Regime	Blooming Period	
			Seeding Rate oz/acre PLS	Seeds/oz			
Forb	<i>Anemone cylindrica</i>	Thimbleweed		20,000	0.459	D, DM, M	Late spring - midsummer
Forb	<i>Arenaria stricta</i>	Stiff sandwort		250,000	5.739	D, DM	June - July
Forb	<i>Asclepias verticillata</i>	Whorled milkweed		4,000	0.092	D, DM, M	Late spring - summer
Forb	<i>Asclepias viridiflora</i>	Green milkweed		3,600	0.083	D, DM	Late spring - midsummer
Forb	<i>Aster ericoides</i>	Heath aster		140,000	3.214	D, DM, M	August - October
Forb	<i>Aster oolentangiensis</i>	Sky-blue aster		82,000	1.882	D, DM, M	Late Summer - Fall
Forb	<i>Aster sericeus</i>	Silky aster		26,940	0.618	D, DM	Late Summer - Fall
Forb	<i>Brickellia eupatorioides</i>	False boneset		24,000	0.551	D, DM	Midsummer - fall
Forb	<i>Campanula rotundifolia</i>	Harebell		700,000	16.070	D, DM	Late spring - early fall
Forb	<i>Comandra umbellata</i>	Bastard toadflax		700	0.016	D, DM, M	Midspring - early summer
Forb	<i>Coreopsis palmata</i>	Prairie tickseed		11,970	0.275	D, DM, M	June - August
Forb	<i>Geum triflorum</i>	Prairie smoke		27,000	0.620	D, DM	Mid - late spring
Forb	<i>Helianthus occidentalis</i>	Western sunflower		12,960	0.298	D, DM, M	Midsummer - fall
Forb	<i>Helianthus pauciflorus</i>	Showy sunflower		4,580	0.105	D, DM, M	July - August
Forb	<i>Liatris aspera</i>	Rough blazing star		13,470	0.309	D, DM, M	August - September
Forb	<i>Liatris cylindracea</i>	Cylindrical blazing star		14,000	0.321	D, DM	Midsummer - early fall
Forb	<i>Linum sulcatum</i>	Grooved yellow flax		94,000	2.158	D, DM	Midspring - early fall
Forb	<i>Lobelia spicata</i>	Pale spiked lobelia		900,000	20.661	D, DM, M	Midspring - midsummer
Forb	<i>Oenothera biennis</i>	Evening primrose		550,000	12.626	D, DM, M	August - September
Forb	<i>Potentilla arguta</i>	Prairie cinquefoil		200,000	4.591	D, DM, M	Late spring - summer
Forb	<i>Pulsatilla patens</i>	Pasque flower		18,000	0.413	D, DM	Early - midspring
Forb	<i>Ratibida pinnata</i>	Yellow cone flower		26,940	0.618	D, DM, M, WM	July - September
Forb	<i>Rosa spp.</i>	Rose species		3,750	0.086	D, DM, M	Midspring - summer
Forb	<i>Rudbeckia hirta</i>	Black-eyed Susan		99,600	2.287	D, DM, M, WM	July - September
Forb	<i>Sisyrinchium campestre</i>	Blue-eyed grass		45,000	1.033	D, DM, M	Midspring - early summer
Forb	<i>Solidago nemoralis</i>	Old-field goldenrod		240,000	5.510	D, DM, M	Late Summer - Fall
Forb	<i>Solidago rigida</i>	Stiff goldenrod		45,850	1.053	D, DM, M	August - October
Forb	<i>Tradescantia ohimensis</i>	Spiderwort		7,980	0.183	D, DM, M	May - June
Forb	<i>Verbena stricta</i>	Hoary vervain		534,117	12.262	D	Late spring - early fall
Forb	<i>Viola pedata</i>	Bird's foot violet		26,000	0.597	D, DM	Spring; also in fall
Forb	<i>Viola pedatifida</i>	Prairie Violet		28,000	0.643	D, DM, M	Spring; also in fall
Grass	<i>Andropogon gerardii</i>	Big bluestem		8,125	0.187	D, DM, M, WM	Summer
Grass	<i>Bouteloua curtipendula</i>	Side-oats grama		7,980	0.183	D, DM	Summer

Grass	<i>Bouteloua hirsuta</i> R	Hairy grama		70,000	1.607	D, DM	Midsummer - fall
Grass	<i>Koeleria macrantha</i>	June grass		144,292	3.312	D, DM, M	Midspring - midsummer
Grass	<i>Panicum virgatum</i>	Switchgrass		24,500	0.562	D, DM, M, WM	Summer - early fall
Grass	<i>Schizachyrium scoparium</i>	Little bluestem		15,000	0.344	D, DM, M	Midsummer - fall
Grass	<i>Sorghastrum nutans</i>	Indian grass		11,000	0.253	D, DM, M, WM	Midsummer - early fall
Grass	<i>Sporobolus cryptandrus</i>	Sand dropseed		332,145	7.625	D, DM	August - October
Grass	<i>Sporobolus heterolepis</i>	Prairie dropseed		13,600	0.312	D, DM, M	Midsummer - early fall
Grass	<i>Stipa spartea</i>	Porcupine grass		11,000	0.253	D, DM	Late spring - early summer
Legume	<i>Amorpha canescens</i>	Leadplant		16,950	0.389	D, DM, M	June - July
Legume	<i>Dalea purpurea</i>	Purple prairie clover		19,950	0.458	D, DM, M	July - August

Dry-Mesic Site Native Species

Plant Type	Genus and species	Common name	Total		Moisture Regime	Blooming Period	
			Seeding Rate in oz/acre PLS	Seeds/oz			
Forb	<i>Anemone cylindrica</i>	Thimbleweed		20,000	0.459	D, DM, M	Late spring - midsummer
Forb	<i>Arenaria stricta</i>	Stiff sandwort		250,000	5.739	D, DM	June - July
Forb	<i>Asclepias tuberosa</i>	Butterfly milkweed		3,480	0.080	DM, M	June - August
Forb	<i>Asclepias verticillata</i>	Whorled milkweed		4,000	0.092	D, DM, M	Late spring - summer
Forb	<i>Asclepias viridiflora</i>	Green milkweed		3,600	0.083	D, DM	Late spring - midsummer
Forb	<i>Aster ericoides</i>	Heath aster		140,000	3.214	D, DM, M	August - October
Forb	<i>Aster laevis</i>	Smooth aster		47,830	1.098	DM, M	August - October
Forb	<i>Aster oolentangiensis</i>	Sky-blue aster		82,000	1.882	D, DM, M	Late Summer - Fall
Forb	<i>Aster sericeus</i>	Silky aster		26,940	0.618	D, DM	Late Summer - Fall
Forb	<i>Brickellia eupatorioides</i>	False boneset		24,000	0.551	D, DM	Midsummer - fall
Forb	<i>Campanula rotundifolia</i>	Harebell		700,000	16.070	D, DM	Late spring - early fall
Forb	<i>Cirsium discolor</i>	Oldfield thistle		5,000	0.115	DM, M	Midsummer - fall
Forb	<i>Comandra umbellata</i>	Bastard toadflax		700	0.016	D, DM, M	Midspring - early summer
Forb	<i>Coreopsis palmata</i>	Prairie tickseed		11,970	0.275	D, DM, M	June - August
Forb	<i>Dodecatheon meadii</i> R	Shootingstar		75,000	1.722	DM, M	Mid - late spring
Forb	<i>Eryngium yuccifolium</i> R	Rattlesnake master		7,980	0.183	DM, M	June - August
Forb	<i>Euphorbia corollata</i>	Flowering spurge		9,960	0.229	DM, M	Midspring - fall
Forb	<i>Gentianella quinquefolia</i>	Stiff gentian		180,000	4.132	DM	Late Summer - Fall
Forb	<i>Geum triflorum</i>	Prairie smoke		27,000	0.620	D, DM	Mid - late spring
Forb	<i>Helianthus occidentalis</i> *	Western sunflower		12,960	0.298	D, DM, M	Midsummer - fall
Forb	<i>Helianthus pauciflorus</i>	Showy sunflower		4,580	0.105	D, DM, M	July - August
Forb	<i>Heuchera richardsonii</i>	Prairie alum-root		800,000	18.365	DM, M	Midspring - summer
Forb	<i>Hieracium longipilum</i>	Hairy hawkweed		70,000	1.607	DM	Mid - late summer
Forb	<i>Liatris aspera</i>	Rough blazing star		13,470	0.309	D, DM, M	August - September
Forb	<i>Liatris cylindracea</i>	Cylindrical blazing star		14,000	0.321	D, DM	Midsummer - early fall
Forb	<i>Liatris pycnostachya</i>	Prairie blazing star		11,970	0.275	DM, M, WM	Midsummer - early fall
Forb	<i>Linum sulcatum</i>	Grooved yellow flax		94,000	2.158	D, DM	Midspring - early fall
Forb	<i>Lobelia spicata</i>	Pale spiked lobelia		900,000	20.661	D, DM, M	Midspring - midsummer
Forb	<i>Monarda fistulosa</i>	Bergamot		77,800	1.786	DM, M, WM	July - September
Forb	<i>Monarda punctata</i>	Spotted bee balm		93,700	2.151	DM	Summer - fall
Forb	<i>Oenothera biennis</i>	Evening primrose		550,000	12.626	D, DM, M	August - September
Forb	<i>Pedicularis canadensis</i>	Wood betony		33,000	0.758	DM	Mid - late spring

Forb	<i>Penstemon gracilis</i> R	Slender Penstemon		208,000	4.775	DM	0
Forb	<i>Phlox pilosa</i>	Prairie phlox		19,000	0.436	DM, M	Midspring - midsummer
Forb	<i>Potentilla arguta</i>	Prairie cinquefoil		200,000	4.591	D, DM, M	Late spring - summer
Forb	<i>Pulsatilla patens</i>	Pasque flower		18,000	0.413	D, DM	Early - midspring
Forb	<i>Pycnanthemum virginianum</i>	Mountain mint		100,000	2.296	DM, M, WM	Midsummer - early fall
Forb	<i>Ratibida pinnata</i>	Yellow cone flower		26,940	0.618	D, DM, M, WM	July - September
Forb	<i>Rosa</i> spp.	Rose species		3,750	0.086	D, DM, M	Midspring - summer
Forb	<i>Rudbeckia hirta</i>	Black-eyed Susan		99,600	2.287	D, DM, M, WM	July - September
Forb	<i>Silphium integrifolium</i> R	Rosinweed		3,990	0.092	DM, M	July - September
Forb	<i>Silphium laciniatum</i>	Compass plant		650	0.015	DM, M	June - September
Forb	<i>Sisyrinchium campestre</i>	Blue-eyed grass		45,000	1.033	D, DM, M	Midspring - early summer
Forb	<i>Solidago nemoralis</i>	Old-field goldenrod		240,000	5.510	D, DM, M	Late Summer - Fall
Forb	<i>Solidago rigida</i>	Stiff goldenrod		45,850	1.053	D, DM, M	August - October
Forb	<i>Solidago speciosa</i>	Showy goldenrod		104,700	2.404	DM, M	July - October
Forb	<i>Tephrosia virginiana</i>	Goat's rue		2,500	0.057	DM	Late spring - midsummer
Forb	<i>Tradescantia ohiensis</i>	Spiderwort		7,980	0.183	D, DM, M	May - June
Forb	<i>Viola pedata</i>	Bird's foot violet		26,000	0.597	D, DM	Spring; also in fall
Forb	<i>Viola pedatifida</i>	Prairie Violet		28,000	0.643	D, DM, M	Spring; also in fall
Grass	<i>Andropogon gerardii</i>	Big bluestem		8,125	0.187	D, DM, M, WM	Summer
Grass	<i>Bouteloua curtipendula</i>	Side-oats grama		7,980	0.183	D, DM	Summer
Grass	<i>Bouteloua hirsuta</i> R	Hairy grama		70,000	1.607	D, DM	Midsummer - fall
Grass	<i>Elymus canadensis</i>	Canada wild rye		6,875	0.158	DM, M, WM	Late spring - early fall
Grass	<i>Koeleria macrantha</i>	June grass		144,292	3.312	D, DM, M	Midspring - midsummer
Grass	<i>Panicum virgatum</i>	Switchgrass		24,500	0.562	D, DM, M, WM	Summer - early fall
Grass	<i>Schizachyrium scoparium</i>	Little bluestem		15,000	0.344	D, DM, M	Midsummer - fall
Grass	<i>Sorghastrum nutans</i>	Indian grass		11,000	0.253	D, DM, M, WM	Midsummer - early fall
Grass	<i>Sporobolus cryptandrus</i>	Sand dropseed		332,145	7.625	D, DM	August - October
Grass	<i>Sporobolus heterolepis</i>	Prairie dropseed		13,600	0.312	D, DM, M	Midsummer - early fall
Grass	<i>Stipa spartea</i>	Porcupine grass		11,000	0.253	D, DM	Late spring - early summer
Legume	<i>Amorpha canescens</i>	Leadplant		16,950	0.389	D, DM, M	June - July
Legume	<i>Baptisia lactea</i>	White wild indigo		1,585	0.036	DM, M	May - June
Legume	<i>Dalea candida</i>	White prairie clover		15,850	0.364	DM, M	Late spring - summer
Legume	<i>Dalea purpurea</i>	Purple prairie clover		19,950	0.458	D, DM, M	July - August
Legume	<i>Desmodium illinoense</i>	Illinois tick trefoil		4,500	0.103	DM, M	Late spring - summer
Legume	<i>Lespedeza capitata</i>	Round-headed bush-clover		9,960	0.229	DM, M	August - September
Legume	<i>Lupinus perennis</i>	Wild lupine		990	0.023	DM, M	Midspring - midsummer
Shrub	<i>Ceanothus americanus</i>	New Jersey tea		7,000	0.161	DM, M	Late spring - fall

Mesic Site Native Species

		Total					
Plant Type	Genus and species	Common name	Seeding Rate oz/acre PLS	Seeds/oz	Seeds/sq ft @ 1oz/ac	Moisture Regime	Blooming Period
Forb	<i>Allium canadense</i>	Wild Garlic		560	0.013	M	May - July
Forb	<i>Allium cernuum</i> R	Nodding wild onion		7,680	0.176	M	Summer
Forb	<i>Anemone cylindrica</i>	Thimbleweed		20,000	0.459	D, DM, M	Late spring - midsummer
Forb	<i>Asclepias sullivantii</i> * R	Prairie milkweed		4,500	0.103	M	Early - midsummer
Forb	<i>Asclepias tuberosa</i>	Butterfly milkweed		3,480	0.080	DM, M	June - August
Forb	<i>Asclepias verticillata</i>	Whorled milkweed		4,000	0.092	D, DM, M	Late spring - summer
Forb	<i>Aster ericoides</i>	Heath aster		140,000	3.214	D, DM, M	August - October
Forb	<i>Aster laevis</i>	Smooth aster		47,830	1.098	DM, M	August - October
Forb	<i>Aster novae-angliae</i>	New England aster		69,900	1.605	M, WM	August - October
Forb	<i>Aster oolentangiensis</i>	Sky-blue aster		82,000	1.882	D, DM, M	Late Summer - Fall
Forb	<i>Cirsium discolor</i>	Oldfield thistle		5,000	0.115	DM, M	Midsummer - fall
Forb	<i>Comandra umbellata</i>	Bastard toadflax		700	0.016	D, DM, M	Midspring - early summer
Forb	<i>Coreopsis palmata</i>	Prairie tickseed		11,970	0.275	D, DM, M	June - August
Forb	<i>Dodecatheon meadii</i> R	Shootingstar		75,000	1.722	DM, M	Mid - late spring
Forb	<i>Echinacea pallida</i> * R	Purple coneflower		4,580	0.105	M	June - July
Forb	<i>Eryngium yuccifolium</i> R	Rattlesnake master		7,980	0.183	DM, M	June - August
Forb	<i>Eupatorium altissimum</i>	Tall boneset		50,000	1.148	M	Late Summer - Fall
Forb	<i>Euphorbia corollata</i>	Flowering spurge		9,960	0.229	DM, M	Midspring - fall
Forb	<i>Galium boreale</i>	Northern bedstraw		70,000	1.607	M	Late spring - summer
Forb	<i>Gaura biennis</i>	Biennial gaura		2,700	0.062	M	Late spring - fall
Forb	<i>Gentiana andrewsii</i>	Bottle gentian		280,000	6.428	M	Late Summer - Fall
Forb	<i>Helianthus occidentalis</i>	Western sunflower		12,960	0.298	D, DM, M	Midsummer - fall
Forb	<i>Helianthus pauciflorus</i>	Showy sunflower		4,580	0.105	D, DM, M	July - August
Forb	<i>Heliopsis helianthoides</i>	Ox-eye Sunflower		6,480	0.149	M	June - September
Forb	<i>Heuchera richardsonii</i>	Prairie alum-root		800,000	18.365	DM, M	Midspring - summer
Forb	<i>Hypoxis hirsuta</i>	Yellow star grass		80,000	1.837	M	Midspring - early fall
Forb	<i>Liatis aspera</i>	Rough blazing star		13,470	0.309	D, DM, M	August - September
Forb	<i>Liatis pycnostachya</i>	Prairie blazing star		11,970	0.275	DM, M, WM	Midsummer - early fall
Forb	<i>Lilium michiganense</i>	Turk's cap lily		10,000	0.230	M	Early - midsummer
Forb	<i>Lilium philadelphicum</i>	Prairie lily		15,000	0.344	M	Early - midsummer
Forb	<i>Lobelia spicata</i>	Pale spiked lobelia		900,000	20.661	D, DM, M	Midspring - midsummer

Forb	<i>Monarda fistulosa</i>	Bergamot		77,800	1.786	DM, M, WM	July - September
Forb	<i>Oenothera biennis</i>	Evening primrose		550,000	12.626	D, DM, M	August - September
Forb	<i>Parthenium integrifolium</i> * R	Wild quinine		6,790	0.156	M	June - September
Forb	<i>Penstemon digitalis</i>	Foxglove beard tongue		100,000	2.296	M	Late spring - midsummer
Forb	<i>Phlox pilosa</i>	Prairie phlox		19,000	0.436	DM, M	Midspring - midsummer
Forb	<i>Polytaenia nuttallii</i> * R	Prairie parsley		4,000	0.092	M	Midspring - early summer
Forb	<i>Potentilla arguta</i>	Prairie cinquefoil		200,000	4.591	D, DM, M	Late spring - summer
Forb	<i>Pycnanthemum virginianum</i>	Mountain mint		100,000	2.296	DM, M, WM	Midsummer - early fall
Forb	<i>Ratibida pinnata</i>	Yellow cone flower		26,940	0.618	D, DM, M, WM	July - September
Forb	<i>Rosa</i> spp.	Rose species		3,750	0.086	D, DM, M	Midspring - summer
Forb	<i>Rudbeckia hirta</i>	Black-eyed Susan		99,600	2.287	D, DM, M, WM	July - September
Forb	<i>Rudbeckia subtomentosa</i> R	Sweet black-eyed Susan		45,850	1.053	M	Summer
Forb	<i>Silphium integrifolium</i> R	Rosinweed		3,990	0.092	DM, M	July - September
Forb	<i>Silphium laciniatum</i>	Compass plant		650	0.015	DM, M	June - September
Forb	<i>Silphium perfoliatum</i>	Cupplant		1,400	0.032	M, WM, W	July - September
Forb	<i>Silphium terebinthinaceum</i> R	Prairie dock		1,110	0.025	M, WM	Summer - fall
Forb	<i>Sisyrinchium campestre</i>	Blue-eyed grass		45,000	1.033	D, DM, M	Midspring - early summer
Forb	<i>Solidago nemoralis</i>	Old-field goldenrod		240,000	5.510	D, DM, M	Late Summer - Fall
Forb	<i>Solidago rigida</i>	Stiff goldenrod		45,850	1.053	D, DM, M	August - October
Forb	<i>Solidago speciosa</i>	Showy goldenrod		104,700	2.404	DM, M	July - October
Forb	<i>Taenidia integerrima</i>	Yellow pimpernel		6,000	0.138	M	May - July
Forb	<i>Thalictrum dasycarpum</i>	Purple meadow-rue		13,870	0.318	M, WM, W	Late spring - early summer
Forb	<i>Tradescantia ohiensis</i>	Spiderwort		7,980	0.183	D, DM, M	May - June
Forb	<i>Veronicastrum virginicum</i>	Culver's root		750,000	17.218	M, WM, W	Summer
Forb	<i>Viola pedatifida</i>	Prairie Violet		28,000	0.643	D, DM, M	Spring; also in fall
Forb	<i>Zizia aptera</i>	Heart-leaved golden Alexander		9,000	0.207	M	Midspring - early summer
Forb	<i>Zizia aurea</i>	Golden Alexander		12,000	0.275	M, WM	Midspring - early summer
Grass	<i>Andropogon gerardii</i>	Big bluestem		8,125	0.187	D, DM, M, WM	Summer
Grass	<i>Elymus canadensis</i>	Canada wild rye		6,875	0.158	DM, M, WM	Late spring - early fall
Grass	<i>Koeleria macrantha</i>	June grass		144,292	3.312	D, DM, M	Midspring - midsummer
Grass	<i>Panicum virgatum</i>	Switchgrass		24,500	0.562	D, DM, M, WM	Summer - early fall
Grass	<i>Schizachyrium scoparium</i>	Little bluestem		15,000	0.344	D, DM, M	Midsummer - fall
Grass	<i>Sorghastrum nutans</i>	Indian grass		11,000	0.253	D, DM, M, WM	Midsummer - early fall
Grass	<i>Spartina pectinata</i>	Prairie cordgrass		6,600	0.152	M, WM, W	Midsummer - early fall
Grass	<i>Sporobolus heterolepis</i>	Prairie dropseed		13,600	0.312	D, DM, M	Midsummer - early fall
Legume	<i>Amorpha canescens</i>	Leadplant		16,950	0.389	D, DM, M	June - July
Legume	<i>Astragalus canadensis</i>	Canada milk vetch		15,960	0.366	M	Summer

Legume	<i>Baptisia bracteata</i>	Cream wild indigo		1,700	0.039	M	Mid to Late Spring
Legume	<i>Baptisia lactea</i>	White wild indigo		1,585	0.036	DM, M	May - June
Legume	<i>Dalea candida</i>	White prairie clover		15,850	0.364	DM, M	Late spring - summer
Legume	<i>Dalea purpurea</i>	Purple prairie clover		19,950	0.458	D, DM, M	July - August
Legume	<i>Desmodium canadense</i>	Showy tick-trefoil		4,500	0.103	M, WM	July - August
Legume	<i>Desmodium illinoense</i>	Illinois tick trefoil		4,500	0.103	DM, M	Late spring - summer
Legume	<i>Lespedeza capitata</i>	Round-headed bush-clover		9,960	0.229	DM, M	August - September
Legume	<i>Lupinus perennis</i>	Wild lupine		990	0.023	DM, M	Midspring - midsummer
Shrub	<i>Ceanothus americanus</i>	New Jersey tea		7,000	0.161	DM, M	Late spring - fall

Wet-Mesic Site Native Species

Wet-Mesic Site Native Species				Total		
Plant Type	Genus and species	Common name	Seeding Rate oz/acre PLS	Selected Specie	Moisture Regime	Blooming Period
Forb	<i>Aster novae-angliae</i>	New England aster	1		M, WM	August - October
Forb	<i>Helenium autumnale</i>	Sneezeweed	2		WM, W	Midsummer - fall
Forb	<i>Hypericum pyramidatum</i>	Great St. Johnswort	1		WM	June - August
Forb	<i>Liatris pycnostachya</i>	Prairie blazing star	2		DM, M, WM	Midsummer - early fall
Forb	<i>Monarda fistulosa</i>	Bergamot	1		DM, M, WM	July - September
Forb	<i>Pycnanthemum virginianum</i>	Mountain mint	1		DM, M, WM	Midsummer - early fall
Forb	<i>Ratibida pinnata</i>	Yellow cone flower	2		D, DM, M, WM	July - September
Forb	<i>Rudbeckia hirta</i>	Black-eyed Susan	1		D, DM, M, WM	July - September
Forb	<i>Silphium perfoliatum</i>	Cupplant	3		M, WM, W	July - September
Forb	<i>Silphium terebinthinaceum</i> R	Prairie dock	3		M, WM	Summer - fall
Forb	<i>Zizia aurea</i>	Golden Alexander	2		M, WM	Midspring - early summer
Grass	<i>Andropogon gerardii</i>	Big bluestem	32		D, DM, M, WM	Summer
Grass	<i>Calamagrostis canadensis</i>	Bluejoint grass	2		WM, W	May - August
Grass	<i>Elymus canadensis</i>	Canada wild rye	16		DM, M, WM	Late spring - early fall
Grass	<i>Panicum virgatum</i>	Switchgrass	16		D, DM, M, WM	Summer - early fall
Grass	<i>Poa palustris</i>	Fowl bluegrass	6		WM	0
Grass	<i>Sorghastrum nutans</i>	Indian grass	32		D, DM, M, WM	Midsummer - early fall
Grass	<i>Spartina pectinata</i>	Prairie cordgrass	6		M, WM, W	Midsummer - early fall
Legume	<i>Desmodium canadense</i>	Showy tick-trefoil	2		M, WM	July - August
Rush	<i>Scirpus cyperinus</i>	Woolgrass	2		WM, W	0
Sedge	<i>Carex comosa</i>	Bottlebrush sedge	4		WM, W	May - July
Sedge	<i>Carex vulpinoidea</i>	Fox sedge	6		WM, W	May - July

Wet Site Native Species

Wet Site Native Species				Total		
Plant Type	Genus and species	Common name	Seeding Rate oz/acre PLS	Selected Specie	Moisture Regime	Blooming Period
Forb	Angelica atropurpurea	Angelica	2.0		W	July - October
Forb	Asclepias incarnata	Marsh milkweed	2.0		W	Summer
Forb	Bidens cernua	Nodding beggartick	1.0		W	August - October
Forb	Eupatorium maculatum	Joe-pye weed	2.0		W	Late spring - early fall
Forb	Eupatorium perfoliatum	Boneset	2.0		W	Midsummer - fall
Forb	Helenium autumnale	Sneezeweed	2.0		WM, W	Midsummer - fall
Forb	Impatiens biflora	Spotted Jewelweed	1.0		W	0
Forb	Iris versicolor	Wild Iris	6.0		W	May - July
Forb	Lobelia siphilitica	Great blue lobelia	0.5		W	Midsummer - fall
Forb	Silphium perfoliatum	Cupplant	3.0		M, WM, W	July - September
Forb	Thalictrum dasycarpum	Purple meadow-rue	2.0		M, WM, W	Late spring - early summer
Forb	Verbena hastata	Blue vervain	2.0		W	Summer - fall
Forb	Veronicastrum virginicum	Culver's root	0.5		M, WM, W	Summer
Grass	Calamagrostis canadensis	Bluejoint grass	2.0		WM, W	May - August
Grass	Elymus virginicus	Virginia wild rye	16.0		WM, W	June - October
Grass	Glyceria grandis	Giant mannagrass	4.0		W	0
Grass	Glyceria striata	Fowl mannagrass	3.0		WM, W	May - August
Grass	Spartina pectinata	Prairie cordgrass	6.0		M, WM, W	Midsummer - early fall
Rush	Juncus effusus	Common rush	1.0		WM, W	0
Rush	Scirpus atrovirens	Green bullrush	2.0		WM, W	0
Rush	Scirpus cyperinus	Woolgrass	2.0		WM, W	0
Rush	Scirpus fluviatilis	River bulrush	2.0		W	May - September
Rush	Scirpus validus	Soft-stem bulrush	2.0		W	0
Sedge	Carex comosa	Bottlebrush sedge	4.0		WM, W	May - July
Sedge	Carex hystrix	Porcupine sedge	4.0		W	0
Sedge	Carex vulpinoidea	Fox sedge	6.0		WM, W	May - July