

**WISCONSIN FORESTRY TECHNICAL NOTE 1
APPENDIX A**

Wisconsin Native Tree Guide

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
90B Western Prairie	E-W	Forest Products, Upland Wildlife Habitat, Windbreaks and Shelterbelts	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat, Windbreaks and Shelterbelts	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat, Wind Breaks and Shelterbelts	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat, Christmas Trees	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat, Christmas Trees	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	White Ash ²
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	Northern Red Oak
	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, Upland Wildlife Habitat, Riparian Wildlife Habitat, Windbreaks and Shelterbelts, Christmas Trees	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open	Balsam Poplar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm
	MW-SP	Riparian Wildlife Habitat, Windbreaks and Shelterbelts	Partial Shade, Shade	Hackberry
	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

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly

¹Sugar Maple exhibits allelopathic properties against Yellow Birch.

²Limit the planting of Ash to 10% or less of a new planting. Do not plant Ash in quarantined counties.

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	SP-P	Forest Products, Riparian Wildlife Habitat, Windbreaks and Shelterbelts	Open	Green Ash ²
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	P-VP	Forest Products, Riparian Wildlife Habitat	Open	Black Ash ²
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Forest Products, Wetland Wildlife Habitat	Open, Partial Shade	Black Spruce
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
104 & 105 Western Coulees and Ridges	E-W	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	Bur Oak
	E-SP	Wildlife Habitat, Windbreaks/Shelterbelts	Open	Eastern Redcedar
	W	Upland Wildlife Habitat, Wind Breaks/Shelterbelts	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open	White Ash ²
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	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 Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm	
MW-SP	Riparian Wildlife Habitat, Wind Breaks/Shelterbelts	Partial Shade, Shade	Hackberry	

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	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	SP-P	Forest Products, Riparian Wildlife Habitat, Wind Breaks/Shelterbelts	Open	Green Ash ²
	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 ²
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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**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>)

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**Wisconsin Native Shrub Guide
Dunn County**

Drainage Class	Uses	Exposure	Species Recommended
E	Wildlife Browse and Cover, Windbreak/Shelterbelt Height-2'	Partial Shade-Sun	Sweet Fern (<i>Comptonia peregrina</i>)
E-W	Wildlife Browse and Cover, Windbreak/Shelterbelt	Shade Tolerant-Sun	Lead-plant (<i>Amorpha canescens</i>)
W	Medicinal, Woodlands	Partial Shade-Sun	Northern Prickly Ash (<i>Zanthoxylum americanum</i>)
W	Nursery Stock, Wildlife Browse and Cover, Windbreak/Shelterbelt, Woodlands	Shade Tolerant	Mountain Maple (<i>Acer spicatum</i>)
W	Nut Production, Human Consumption, Windbreak/Shelterbelt, Woodlands	Partial Shade-Sun	American Witchhazel (<i>Hamamelis virginiana</i>)
W-MW	Wildlife Cover, Woodlands	Shade Tolerant	Burning Bush (<i>Euanymus atropurpurea</i>)
W-MW	Nursery Stock, Wildlife Browse and Cover, Human Consumption, Windbreak/Shelterbelt	Partial Shade-Sun	Red Elderberry (<i>Sambucus racemosa</i>)
W-MW-SP	Nursery Stock, Wildlife Browse and Cover, Human Consumption, Windbreak/Shelterbelt, Woodlands	Partial Shade-Sun	High-bush Cranberry (<i>Viburnum trilobum</i>)
W-MW	Windbreak/Shelterbelt Height-12', Wildlife Seed and Cover	Full Sun	Smooth Sumac (<i>Rhus glabra</i>)
MW-VP	Wildlife Browse and Cover, Thickets, Wetland Wildlife Habitat,	Partial Shade-Sun	Gray Alder (<i>Alnus incana</i>)
MW-P	Wetland Wildlife Habitat	Partial Shade-Sun	American Bladdernut (<i>Staphylea trifolia</i>)
SP-VP	Wildlife Browse and Cover, Wetland Wildlife Habitat	Shade Tolerant	Missouri River Willow (<i>Salix eriocephala</i>)
P-VP	Wetland Wildlife Habitat, Wildlife Browse and Cover	Partial Shade-Sun	Sageleaf Willow (<i>Salix candida</i>)
P-VP	Wildlife Browse and Cover, Wetland Wildlife Habitat, Fire Resistant	Partial Shade-Sun	Leatherleaf (<i>Chamaedaphne calyculata</i>)