

**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
90A Northwest Lowlands North Central Forest	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	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.

³Species native range throughout Wisconsin.

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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
92 Superior Coastal Plain	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
	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	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Wildlife Habitat, Christmas Trees	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper Birch ³
	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	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat, Wind Breaks/Shelterbelts, Christmas Trees	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple ³
	MW-SP	Riparian Wildlife Habitat	Open	Balsam Poplar
	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, Wind Breaks/Shelterbelts	Open	Green Ash ²
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	

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91B Northwest Sands	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, Windbreaks/Shelterbelts	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	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, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Wildlife Habitat, Christmas Trees	Open, Partial Shade	Balsam Fir
	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, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm
	W-SP	Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat, Wind Breaks/Shelterbelts, Christmas Trees	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	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 ²
	SP-P	Riparian/Flood Plain 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	

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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
Douglas County**

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	Browse, Fruit and Cover, Height-6', Woodlands	Open	Buffalo Berry (<i>Shepherdia canadensis</i>)
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Wolfberry (<i>Symphoricarpos occidentalis</i>)
E-W	Cover and Fruit, Height-.5', Forms Mats, Grasslands	Open-Partial Shade	Bearberry (<i>Arctostaphylos uva-ursi</i>)
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (<i>Comptonia peregrina</i>)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (<i>Hudsonia tomentosa</i>)
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (<i>Juniperus communis</i>)
W	Fruit and Cover, Height-2', Woodlands	Open	Snowberry (<i>Symphoricarpos albus</i>)
W	Nuts, Height-10', Forms Thickets, Woodlands	Open-Partial Shade	Beaked Hazelnut (<i>Corylus cornuta</i>)
W-MW	Browse and Cover, Height-10', Forms Thickets, Woodlands	Open-Partial Shade	Mountain Alder (<i>Alnus crispa</i>)
W-MW	Cover, Height-6', Attractive Flowers, Woodlands	Open-Partial Shade	Am. Fly Honeysuckle (<i>Lonicera canadensis</i>)
W-MW	Browse and Cover, Height-5', Woodlands	Partial Shade-Shade	American Yew (<i>Taxus canadensis</i>)
MW-SP	Fruit and Cover, Height-15', Forms Thickets, Woodlands	Open-Partial Shade	Canada Plum (<i>Prunus nigra</i>)