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 Forest Transition	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
	SP-P	Forest Products, Riparian Wildlife Habitat, Windbreaks and Shelterbelts	Open	Green Ash[2]

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

[1]Sugar Maple exhibits allelopathic properties against Yellow Birch.
[2]Limit the planting of Ash to 10% or less of a new planting. Do not plant Ash in quarantined counties.

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Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	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
95B Central Sand Hills	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	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[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	Northern Red Oak
	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
	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	Open, Partial Shade	Bitternut Hickory
	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	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
	MW-SP	Riparian Wildlife Habitat, Windbreaks/Shelterbelts	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	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

[1]Sugar Maple exhibits allelopathic properties against Yellow Birch.
[2]Limit the planting of Ash to 10% or less of a new planting. Do not plant Ash in quarantined counties.

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Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	SP-P	Forest Products, Riparian Wildlife Habitat, Windbreaks/Shelterbelts	Open	Green Ash[2]
	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[2]
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
95A Central Lake Michigan Coastal	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
	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[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	Northern Red Oak
	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
	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Wildlife Habitat	Partial Shade	Yellow Birch
	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
	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

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

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Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	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[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
	P-VP	Forest Products, Wetland Wildlife Habitat	Open, Partial Shade	Black Spruce

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

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

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Wisconsin Native Shrub Guide
Waupaca County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-5', Forms Thickets, Woodlands	Open-Partial Shade	Carolina Rose (Rosa carolina)
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus)
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Potentilla fruticosa)
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W	Fruit and Cover, Height-2', Woodlands	Open	Snowberry (Symphoricarpos albus)
W	Nuts, Height-10', Forms Thickets, Woodlands	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra)
MW-SP	Fruit and Cover, Height-15', Forms Thickets, Woodlands	Open-Partial Shade	Canada Plum (Prunus nigra)
MW-SP	Browse and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Shade	Buttonbush (Cephalanthus occidentalis)

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